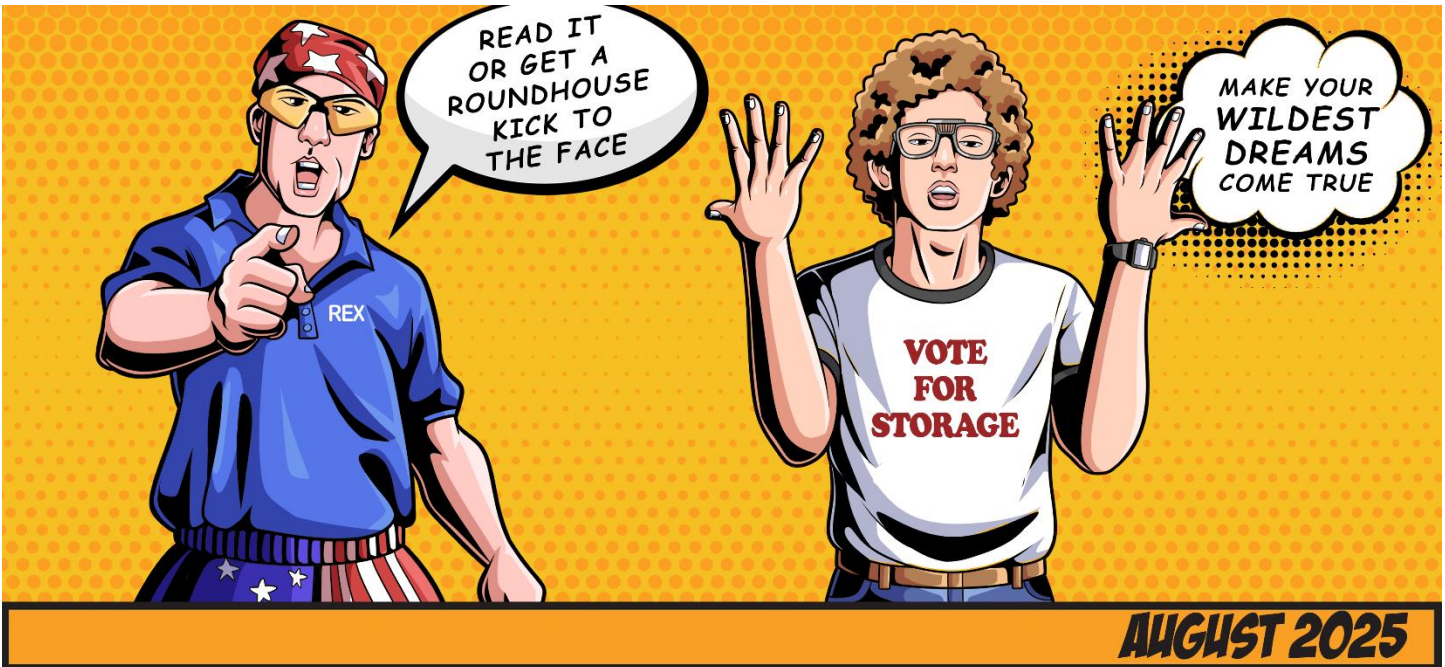


FRACTAL ENERGY STORAGE NEWS



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Recent Storage M&A Transactions and Investment News

United States

- Aug 29th: Hitachi Energy, a provider of sustainable energy and power grid solutions, has completed the acquisition of the remaining stake in eks Energy, a provider of power electronics and energy management

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solutions for integrating storage and renewables, from Powin. Hitachi Energy initially acquired a majority stake in eks Energy in 2023.¹

- **Aug 19th:** FlexGen Power Systems, LLC (FlexGen), a leader in energy storage technology, announced it closed its acquisition of key assets and intellectual property from Powin. With this acquisition, FlexGen is now supporting over 25 GWh of BESS across over 200 sites in 10 countries with software and services. Existing Powin customers will continue to receive uninterrupted support and can choose to enhance system uptime and longevity by transitioning to FlexGen's HybridOS® platform and lifecycle services. Since the bankruptcy announcement, a variety of energy companies announced hiring of key Powin personnel.²
- **Aug 15th:** Copenhagen Infrastructure Partners (CIP), through its fifth flagship fund, CI V, and EDF Power Solutions North America, announced that CIP has acquired full ownership of the Beehive BESS (250 MW / 1,000 MWh) located in Peoria, Arizona. Following the commencement of construction earlier this year by EDF Power Solutions, CIP will manage the project through the remainder of construction, with commercial operation expected in the first half of 2026. The project has a 20-year tolling agreement with Arizona Public Service Company (APS).³
- **Aug 8th:** US-based lithium-sulfur battery manufacturer Lyten has entered a binding agreement to acquire Northvolt's remaining assets in Sweden and Germany. The acquisition includes Northvolt Ett and Ett Expansion in Skellefteå, Northvolt Labs in Västerås, and Northvolt Drei in Heide, as well as all remaining Northvolt intellectual property. The portfolio, previously valued at around USD 5B, adds 16 GWh of operational manufacturing capacity and more than 15 GWh under construction. Lyten says the sites have the infrastructure to scale beyond 100 GWh. Operations at Northvolt Ett and Northvolt Labs are planned to restart upon closing, with rehiring prioritized for former Northvolt staff.⁴
- **Aug 7th:** Energy storage integrator, Energy Vault Holdings, Inc. (Energy Vault), announced it has entered into an exclusivity agreement for a USD 300M preferred equity investment to fund the launch of Asset Vault, a fully consolidated subsidiary of Energy Vault dedicated to develop, build, own and operate energy storage assets, standalone or paired with generation facilities. The investment will support Energy Vault's independent power producer (IPP) strategy to build, own, and operate energy storage assets, accelerating the deployment of 1.5 GW in attractive priority markets. The USD 300M investment will be utilized for project development expenses, project acquisition, and both majority and minority equity investments to support attractive project financing to deliver the asset construction, commissioning, and operation.⁵
- **Aug 4th:** Hawaiian Electric Industries, Inc. (HEI), the parent company of Pacific Current, LLC (Pacific Current), announced the closing of the sale of Pacific Current's solar and battery storage assets to Fortistar and Epic Star Energy (Epic Star). The transaction is not expected to be material to HEI's financial statements. The sale includes all Pacific Current's operating solar and battery energy storage facilities on Kauai, Oahu, and Maui. The transaction continues HEI's execution of its Pacific Current divestment and follows the March 2025 sale of the subsidiary's Hamakua Energy facility. The strategic review process for Pacific Current's remaining asset, a biomass plant on Kauai, is ongoing.⁶

¹ <https://www.hitachienergy.com/me/en/news-and-events/press-releases/2025/08/hitachi-energy-acquires-remaining-stake-of-eks-energy-reinforcing-leadership-in-power-conversion-systems-for-energy-storage>

² <https://www.businesswire.com/news/home/20250819895894/en/FlexGen-Completes-Acquisition-of-Powin-Assets-Expanding-Global-Leadership-in-Grid-Scale-Storage>

³ <https://www.globenewswire.com/news-release/2025/08/15/3134134/0/en/Copenhagen-Infrastructure-Partners-Acquires-Beehive-Battery-Energy-Storage-System-in-Arizona-from-EDF-power-solutions-North-America.html>

⁴ <https://lyten.com/2025/08/07/lyten-to-acquire-all-remaining-northvolt-assets-in-sweden-and-germany/>

⁵ <https://www.businesswire.com/news/home/20250807651517/en/Energy-Vault-Enters-into-Exclusive-Agreement-for-%24300-million-Preferred-Equity-Investment-to-launch-Asset-Vault-Accelerating-the-execution-of-1.5GW-of-Global-Energy-Storage-Projects-under-the-Company's-IPP-Build-Own-and-Operate-Strategy>

⁶ <https://www.businesswire.com/news/home/20250804573168/en/HEI-Subsidiary-Sells-Solar-and-Battery-Storage-Assets-to-Fortistar-and-Epic-Star>
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International

- **Aug 31st:** Zenobe, a U.K. company specializing in grid-scale battery storage, has acquired a 400 MW ready-to-build BESS in Low Harker, Cumbria, from Innova. The acquisition, announced on August 28, 2025, adds to Zenobe's portfolio and is located near the existing Harker substation, supporting the national grid and the UK's target of reaching 25 GW of BESS capacity by 2030.⁷
- **Aug 29th:** Statkraft, Europe's leading renewable energy generator, is completing the sale of its renewable development operations in the Netherlands. Greenchoice, a Dutch renewable energy provider, has purchased a 120 MW_p operational solar portfolio and will assume responsibility for Statkraft's seasoned local staff. A share purchase deal has been inked with Greenchoice, encompassing 120 MW_p of active solar installations along with a pipeline of solar, wind, and battery developments. The deal, which encompasses the handover of a proficient professional team, is slated to conclude this autumn.⁸
- **Aug 28th:** Eelpower Ltd. joins consortium of public and private sector investors to launch new BESS developer – Eelpower Energy. The developer has secured GBP 500M (\$ 675M) of public and private sector investment and is targeting final investment decisions on up to 1 GWh of capacity by the end of 2025.⁹
- **Aug 28th:** TagEnergy announced the acquisition of early-stage developer ACE Power, adding a ~6 GW pipeline of battery, wind and solar projects to its growing portfolio. The acquisition, from majority shareholder Pelion New Energy and several minority stakeholders, supercharges TagEnergy's growth, bolstering its long-term strategy to produce and sell value-added electricity products from a complimentary portfolio of clean generation and storage assets. TagEnergy has 1.33GW of renewable energy projects under construction and operation in Australia, including the largest onshore wind project underway in the Southern Hemisphere, Victoria's Golden Plains Wind Farm. With the integration of ACE Power's portfolio, TagEnergy will have a 10 GW pipeline of renewable energy projects across the nation.¹⁰
- **Aug 26th:** MEAG has reached an agreement with SMA Altenso GmbH to acquire 100% of the shares in the Höxter battery park (130 MW / 354 MWh BESS), a construction-ready project in North Rhine-Westphalia. SMA Altenso will remain closely involved in the project as general contractor and operations service provider, which is expected to go online in the first quarter of 2027. The project is the second battery storage project in Munich Re's portfolio after the Metelen battery park, increasing the total capacity to 222.5 MW / 585 MWh. The two battery storage projects form the basis for a BESS platform focused on the acquisition and construction of battery storage projects in Europe.¹¹
- **Aug 25th:** Sungrow Power has revealed its intention to issue overseas-listed foreign shares (H-shares) and seek a listing on the Main Board of the Hong Kong Stock Exchange. Earlier in 2025, China's CATL—the top global battery producer—generated approximately HK 35.6B (USD 4.6B) on its debut trading day in Hong Kong, marking the year's biggest international listing. Additional key players in energy storage, such as Sunwoda and Hithium, are also considering listings in Hong Kong.¹²
- **Aug 20th:** Group14 Technologies announced that it has closed a USD 463M round led by SK, Inc., with strong participation of other existing investors, including Porsche Investments, ATL, OMERS, Decarbonization Partners, Lightrock Climate Impact Fund, Microsoft Climate Innovation Fund, and others. The funds will be used to continue scaling the manufacture of Group14's silicon battery material, SCC55, in the U.S. and South Korea. In addition, Group14 acquired full ownership of its joint venture with SK Inc., located in Sangju, South Korea. Formed in 2021, the joint venture's (JV) battery active materials (BAM) factory produces Group14's

⁷ <https://www.zenobe.com/news-and-events/zenobe-announces-the-acquisition-of-a-key-battery-storage-site-in-carlisle-uk-from-innova/>

⁸ <https://www.statkraft.com/newsroom/news-and-stories/2025/successful-sale-of-renewables-platform-in-the-netherlands/>

⁹ <https://www.pv-magazine-australia.com/press-releases/aware-super-joins-1-billion-uk-battery-storage-platform-consortium/>

¹⁰ <https://tag-en.com/tagenergy-supercharges-growth-by-acquiring-ace-power/#:~:text=TagEnergy%20is%20powering%20ahead%20in,projects%20to%20its%20growing%20portfolio.>

¹¹ <https://esg.guide/insight/5560/meag-acquires-battery-park-in-hoxter-north-rhine-westphalia>

¹² <https://www.solarbeglobal.com/sungrow-power-plans-hong-kong-listing/>

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flagship technology, SCC55, at EV scale to support the global battery manufacturing industry.¹³

- **Aug 20th:** Group14 Technologies announced that it has closed a USD 463M round led by SK, Inc., with strong participation of other existing investors, including Porsche Investments, ATL, OMERS, Decarbonization Partners, Lightrock Climate Impact Fund, Microsoft Climate Innovation Fund, and others. The funds will be used to continue scaling the manufacture of Group14's silicon battery material, SCC55, in the U.S. and South Korea, and help meet overwhelming demand amid surging requirements for energy storage worldwide. In addition, Group14 obtained full ownership of its JV with SK Inc., located in Sangju, South Korea. Formed in 2021, the JV's battery active materials (BAM) factory produces Group14's flagship technology, SCC55, at EV scale to support the global battery manufacturing industry.¹⁴
- **Aug 18th:** CrossBoundary Energy (CBE) has secured a USD 40M equity-like capital investment from a new partner, Impact Fund Denmark (IFDK). The investment will help CBE build its rapidly expanding portfolio of clean energy projects in Africa. Currently, the company is constructing a solar/BESS baseload plant in Africa after signing a commercial and industrial power purchase agreement (PPA) with Kamoa Copper SA, a copper mine in the Democratic Republic of Congo.¹⁵
- **Aug 18th:** Bluefield Solar Income Fund has sold a 250 MW portfolio of solar and battery storage assets to its partnership with GLIL Infrastructure. The assets had been transferred to Lyceum Solar, a vehicle 25% owned by Bluefield and 75% by GLIL, a consortium of UK local authority pension funds and Nest. Proceeds will go towards repaying part of the company's revolving credit facility and funding new developments. The package of assets included Mauxhall Farm, a hybrid project with 44.5 MW of solar already operating and 25 MW of battery storage under construction, as well as four ready-to-build solar schemes totaling 180 MW.¹⁶
- **Aug 14th:** Romanian energy firm Monsson has acquired its second Swedish BESS project, a 20 MWh facility in Härryda, from Swedish developer Fu-Gen, with construction scheduled for fall 2025. This acquisition is part of Monsson's strategy to install over 200 MWh of storage in Sweden and over 1 GWh across Europe, using a cold-weather warehouse design for the facility. Monsson will serve as the EPC, owner, and operator of the 20 MWh project, which aims to enhance grid stability by shaving peak loads and managing imbalances.¹⁷
- **Aug 13th:** Nuveen, a global investment manager, has completed its first close with \$ 1.3B of initial capital commitments to the Energy & Power Infrastructure Credit Fund II (EPIC II), a \$ 2.5B target private credit strategy providing private infrastructure credit solutions to companies in support of the growing demand for energy and power arising from digitalization, electrification and the reindustrialization of North America, Europe and other OECD countries.¹⁸
- **Aug 13th:** Electric Land, a UK-based company, has purchased a site at the location of the now-defunct Uskmouth coal-fired power station in Newport, Wales, intended for a 120 MW / 240 MWh BESS being developed by sustainable energy developer SAE. This acquisition is Electric Land's second BESS deal at the Uskmouth site and its inaugural one since infrastructure investor Stonepeak took a stake in the company in late July. The newly bought parcel of land is leased to SAE, which secured financial closure earlier this month on a 240-MWh portion of the larger Uskmouth initiative. The project is projected to become operational in 2026.¹⁹

¹³ <https://group14.technology/resources/press-releases/group14-closes-us463m-series-d-funding-round-and-acquires-100-ownership-of-bam-factory-in-south-korea-from-sk-inc/>

¹⁴ <https://www.prnewswire.com/news-releases/group14-closes-us463m-series-d-funding-round-and-acquires-100-ownership-of-bam-factory-in-south-korea-from-sk-inc-302533912.html>

¹⁵ <https://crossboundaryenergy.com/crossboundary-energy-secures-us40m-investment-from-impact-fund-denmark/>

¹⁶ <https://www.proactiveinvestors.com/companies/news/1076834/bluefield-solar-sells-250mw-renewables-portfolio-to-pension-backed-joint-venture-1076834.html>

¹⁷ <https://www.monsson.eu/monsson-accelerates-swedish-expansion-with-new-20-mwh-bess-project-in-harryda/>

¹⁸ <https://www.prnewswire.com/news-releases/nuveen-raises-1-3-billion-from-global-institutional-investors-for-first-close-of-energy--power-infrastructure-credit-fund-302528894.html>

¹⁹ <https://list.solar/news/electric-land/>

- **Aug 12th:** National Renewable Network (NRN), Australia's leading distributed energy infrastructure platform, has finalized a \$ 67.2M Series A funding round, one of the largest ever in Australian climate tech. The raise includes equity and debt, with major support from a superannuation-linked fund. NRN enables energy retailers like Alinta Energy (an NRN-partner retailer) to offer customers solar and battery systems with no upfront costs, repayments, or system maintenance fees. With NRN, retailers can quickly build a distributed renewable energy portfolio and white label it as their own Virtual Power Plant (VPP) plan.²⁰
- **Aug 7th:** GoldenPeaks Capital (GPC) announced on August 6, 2025, the acquisition of two new BESS projects in Poland, with a combined capacity of 54 MW / 216 MWh, marking a strategic expansion into the Polish market and the broader Central and Eastern European region. The two projects, Baczyna (46 MW / 184 MWh) and Jelenia Góra (8 MW / 32 MWh), secured long-term contracts in the 2024 Polish Capacity Market auction, ensuring guaranteed revenues for 17 years starting in 2029.²¹
- **Aug 7th:** Energy Vault Holdings, Inc. (Energy Vault), a global leader in grid-scale energy storage solutions, announced it has received Foreign Investment Review Board (FIRB) approval and completed the full acquisition of the Stoney Creek BESS project in Northern New South Wales. The 125 MW / 1,000 MWh project now formally enters Energy Vault's international "Own & Operate" portfolio, advancing the company's long-term asset management strategy in the Australian market. Energy Vault has formalized its investment position in the Stoney Creek BESS following receipt of the approval, enabling full acquisition and control of the project's development and operations. The project was initially announced for acquisition from Enervest Group in March 2025.²²
- **Aug 5th:** BrightNight, the next-generation power and digital infrastructure company built to deliver clean and dispatchable solutions, announced the spin-off of its Asia Pacific (APAC) business, which will now operate as a standalone entity under the name Yanara. The move is aimed at creating two high-growth companies, each with its regional focus and operational flexibility to accelerate market expansion and deliver greater value to customers and investors. BrightNight will concentrate solely on its U.S. business and the execution of its 35 GW renewable power projects pipeline. Yanara will now independently lead the APAC operations, with projects and offices in India, Australia, the Philippines, Singapore, and the Netherlands.²³
- **Aug 4th:** HMC Capital (HMC) is announced the financial completion of the acquisition of Neoen Australia's Victorian assets (Neoen VIC Portfolio) occurred on 1 August 2025. The deal gives HMC Capital control of a 652 MW operating portfolio, including the 300 MW / 450 MWh Victorian Big Battery, the 224 MW Bulgana Green Power Hub with its integrated 20 MW battery, and the 128 MW_p Numurkah Solar Farm. HMC also secures a 2.8 GW development pipeline featuring 1.3 GW of planned battery storage and over 1.5 GW of wind power.²⁴
- **Aug 1st:** Investment firm KKR has injected € 150M into its subsidiary Greenvolt to fund its expansion in utility-scale BESS, with the investment to be paid in two installments through September. Concurrently, Portuguese energy company Galp has begun installing 74 MW of BESS at two locations in Spain and Portugal, co-located with existing solar PV plants. The company currently manages a 4.3 GW project pipeline in nine countries, with projects already under construction in Poland, the United Kingdom, and Hungary.²⁵

²⁰ <https://www.prnewswire.com/news-releases/nrn-secures-67m-in-one-of-australias-largest-climate-tech-series-a-deals-302526355.html>

²¹ <https://www.businesswire.com/news/home/20250805652738/en/GoldenPeaks-Capital-Has-Successfully-Acquired-Two-New-Battery-Energy-Storage-Systems-in-Poland>

²² <https://www.businesswire.com/news/home/20250807895968/en/Energy-Vault-Secures-Final-FIRB-Approval-and-Completes-Acquisition-of-125-MW1000-MWh-Stoney-Creek-BESS-in-Australia>

²³ <https://www.prnewswire.com/news-releases/brightnight-spins-off-apac-business-unlocking-stronger-regional-focus--growth-302522424.html>

²⁴ <https://www.hmccapital.com.au/investor-centre/asx-announcements/financial-close-of-neoen-vic-assets-acquisition/>

²⁵ <https://balkangreenenergynews.com/kkr-to-provide-greenvolt-with-eur-150-million-capital-boost/>

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FRACTAL ADVISORY

Contact Fractal Advisory about your next sales process at judy@fractalba.com. Fractal Advisory has:

- A robust network of investors and asset owners to maximize your asset(s) exposure
- Unmatched energy storage and market expertise to optimize your investment model and address bidder inquiries
- Ultra-competitive advisory fees to maximize your development return.
- Projects, portfolios, platforms, and major equipment sale processes

PROJECT REDZONE SALE PROCESS – DATA CENTER READY ERCOT BESS

**ERCOT PVS
AND BESS
FOR SALE**



**ALERT: PHASE 2 CUTOFF IS APPROACHING
NBO DUE September 15, 2025**
[CLICK HERE](#) to learn more.

The Project Redzone sale process features a portfolio of one (1) AC-Coupled 240 MW_{ac} PV + 200 MW / 400 MWh BESS project located in Kinney County, Texas (ERCOT South – target COD Q4 2027) and one (1) standalone 200 MW / 400 MWh BESS located in Midland County, Texas (ERCOT West – target COD Q4 2027). Both sites are datacenter-ready, with access to multiple, redundant fiber lines, natural gas lines, and secured IAs for onsite generation and storage. Fractal Advisory is running the process on behalf of American Wind and Solar. This is a time-sensitive opportunity for interested parties. Please submit your Non-Binding Offers (NBO) as soon as possible. Buyers prepared to submit a NBO may request the process letter and access to the Virtual Data Room (VDR) by contacting Aaron Barker at aaron@fractalba.com.

PROJECT MALONEY SALE PROCESS – ERCOT BESS

**ERCOT BESS
PROJECT
FOR SALE**



THIS PROCESS IS IN PHASE 2
[CLICK HERE](#) to learn more.

The Project Maloney sale process features a 200 MW_{ac} / 400 MWh BESS in Wichita County, Texas, West Zone, in ERCOT, with an anticipated In-Service Date of Q4 2027. The project includes a term sheet for a Toll and Revenue Collar (optional). Fractal Advisory is running this process on behalf of Suncode Energy. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Sean Bruno at sean@fractalba.com.

PROJECT CANTALOUPE SOLAR SALE PROCESS – ERCOT DC COUPLED PV+S

**ERCOT DC
COUPLED PVS
FOR SALE**



THIS PROCESS IS IN PHASE 2
[CLICK HERE](#) to learn more.

The Project Cantaloupe Solar sale process features a DC-coupled Solar PV + BESS in Reeves County, in the West Load Zone, ERCOT, with a **Ready to Build date of June 2025**, with attractive economics. Fractal Advisory is running the process on behalf of Alt Energy Developments. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Aaron Barker at aaron@fractalba.com.

PROJECT FOX BILATERAL OPPORTUNITY – TEXAS BESS PORTFOLIO

ERCOT BESS

150 MW / 300 MWh

2 PROJECTS FOR SALE



REPUTABLE BUYERS INVITED

Fractal Advisory, on behalf of our client Uriel Silo Development Company, is pleased to invite qualified buyers to participate in the Project Fox bilateral opportunity. This portfolio features two 150 MW_{ac}, 2-hour BESS in Van Zandt County, North Zone, in ERCOT, with anticipated In-Service Dates of Q1 and Q2 2027. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Judy McElroy at judy@fractalba.com.

THE NBO DEADLINE HAS RECENTLY PASSED. THIS PROCESS IS STILL ACCEPTING OFFERS.
[CLICK HERE](#) to learn more.

DOMESTIC 120 MVA MAIN POWER TRANSFORMER - SALE PROCESS OPPORTUNITY

120 MVA MPT

230 kV : 34.5 kV

FOR SALE



REPUTABLE BUYERS INVITED

Fractal Advisory, on behalf of our client invites reputable buyers to join the Domestic 120 MVA Main Power Transformer (MPT) Sale process (the "Process"). The MPT is currently warehoused in South Carolina and available for immediate sale. The MPT has an active (transferrable) warranty until April 2031.

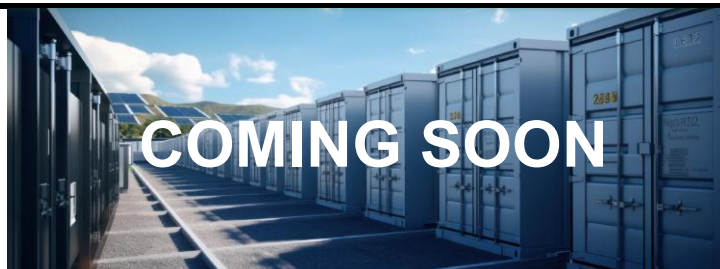
Specifications Overview:

120 MVA Three Phase OLTC Transformer
 72/90/120 MVA 65 °C Rise ONAN/ONAF1/ONAF2
 230 kV +/-10% Grd Wye : 34.5 kV Grd Wye : 13.8 kV (Buried)
 Vector:- YNyn0+d1
 Manufacturer: Virginia Transformer

This is a limited-time sale process. Interested buyers willing to submit an offer can request access to the process letter and Virtual Data Room (VDR) by emailing Aaron Barker at aaron@fractalba.com.

THIS PROCESS IS STILL ACCEPTING OFFERS.
[CLICK HERE](#) to learn more.

PROJECT EPOQUE OPPORTUNITY – TEXAS DG BESS PROJECT



Fractal Advisory, on behalf of our client, will release process details for a 9.9 MW_{ac}, 2-hour BESS in Victoria County, South Zone, in ERCOT, with an anticipated In-Service Date of Q3 2027. Process release is expected in early September. Interested Buyers can contact Sean Bruno at sean@fractalba.com.

PROCESS WILL BEGIN IN EARLY SEPTEMBER.

Recent Finance and Tax Equity News

United States

- **Aug 14th:** Crayhill Capital Management, an alternative asset management firm specializing in asset-based finance, announced the launch of its Tax Equity Bridge Lending (TEBL) program as part of its expanded Pre-Construction Financing initiative, which is designed to help solar, wind, and battery developers accelerate project development schedules to meet stringent new federal tax credit requirements. The program offers \$50-\$500M facilities to support pre-construction of high-quality solar and wind power-generation facilities, and combined TEBL and Development Capital Facilities that will increase upfront dollar proceeds for developers while requiring less project equity.²⁶

²⁶ <https://www.prnewswire.com/news-releases/crayhill-launches-lending-solution-combining-tax-equity-bridge-loans-and-development-financing-302529915.html>

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- **Aug 7th:** Greenalia S.A. (Greenalia), a leading Spanish developer of renewable power projects, has closed on a \$ 50M upsizing of its existing three-year credit facilities from IMM Investment Hong Kong (IMM) and NH Investment & Securities (NH) to support the development of its solar and wind project pipeline in the U.S. Greenalia Power US Advanced II, LLC (Greenalia US) is a subsidiary of Greenalia that acquires, develops, constructs and operates utility-scale solar, wind and energy storage projects in the U.S. The proceeds from the upsizing will be used to support Greenalia's ~1.9 GW ERCOT portfolio, particularly by financing project equipment, providing support for project letters of credit and funding other development and construction expenses.²⁷
- **Aug 5th:** Eagle Point Credit Management LLC (Eagle Point), a private credit investment manager, announced that it has provided \$ 18M in project financing to Energy Vault. The funding supports Energy Vault's 57 MW / 114 MWh Cross Trails BESS, a grid-scale project that began full commercial operations in June 2025. This is Eagle Point's second collaboration with Energy Vault, following a \$ 28M financing for the Calistoga Resiliency Center earlier this year.²⁸

International

- **Aug 29th:** Verano Energy has secured \$ 204M in financing for its Domeyko solar-plus-storage project (83 MW Solar PV + 660 MWh BESS) in Chile's Atacama region. The total investment for the project is \$ 247M, with the remaining funds coming from equity. The \$ 204M financing package, provided by a consortium of banks including SMBC, Société Générale, and Scotiabank, includes a \$ 176M project finance term loan from a group of international banks and \$ 12M in VAT debt financing. Construction is already underway, and commercial operations are expected to begin by the end of 2026.²⁹
- **Aug 26th:** Pacific Green Technologies, Inc., a global leader in BESS, announced that its Australian battery energy storage business has completed a financing raise with the Longreach Credit Investors and Australian Philanthropic Services Foundation. The syndicated facility provides up to AUD 77M over a 24-month period to fund the development of a 7 GWh pipeline and expand the platform within the Australian market.³⁰
- **Aug 26th:** DSD Renewables (DSD) has closed on \$ 238M in long-term financing from First Citizens Bank, Mitsubishi UFJ Financial Group (MUFG), and Nomura to support 233 MW of operational distributed generation solar and solar plus storage projects in 12 states and the District of Columbia. The portfolios include 188 projects in operation across California, Connecticut, Illinois, Maine, Maryland, Massachusetts, Minnesota, New Jersey, New York, Ohio, Pennsylvania, Virginia, and Washington, D.C. They feature a mix of ground-mount, rooftop, and canopy systems, with approximately 127 MW designated as community solar and three that incorporate battery storage to enhance grid resilience.³¹
- **Aug 19th:** Masdar announced that it has allocated over \$ 1.685B from its green bond issuances in 2023 and 2024 to fund new global renewable energy projects, including solar, wind, and energy storage. These investments are detailed in Masdar's 2024 Green Finance Report, which provides transparent reporting on project allocations and environmental impact metrics. The company recently expanded its Green Finance Framework to include green hydrogen and battery storage, and its overall green bond program has raised a total of \$ 2.75B since 2023.³²

²⁷ <https://www.prnewswire.com/news-releases/greenalia-secures-50-million-upsizing-on-existing-3-year-credit-facilities-from-imm-investment-and-nh-investment--securities-302524829.html>

²⁸ <https://www.businesswire.com/news/home/20250805769677/en/Eagle-Point-Closes-%2418-Million-Project-Financing-for-Cross-Trails-Battery-Energy-Storage-System-BESS-Supporting-Grid-Resiliency-in-Texas>

²⁹ <https://list.solar/news/verano-secures/>

³⁰ <https://www.globenewswire.com/news-release/2025/08/25/3138927/0/en/Pacific-Green-secures-AU-77-million-debt-facility-to-accelerate-BESS-development-in-Australia.html>

³¹ <https://dسدrenewables.com/dsd-secures-238-million-in-long-term-financing-for-233-mw-of-solar-energy/>

³² <https://masdar.ae/en/news/newsroom/masdar-releases-2024-green-finance-report>

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- **Aug 18th:** Gresham House Energy Storage Fund has obtained a \$ 324M (£ 240M) refinancing package from a five-bank consortium, led by NORD/LB with Santander, Commonwealth Bank of Australia, Rabobank, and Aviva, to expand its 1 GW portfolio of UK battery storage assets. The funds will be used for augmentation works to increase battery capacity at existing sites and finance new project rights, boosting its megawatt capacity by approximately 70% and increasing its average duration to around two hours. This financing replaces older debt facilities and is supported by contracted revenues from the portfolio.³³
- **Aug 13th:** Lithuanian company Green Genius secured € 64M in loans from Nordic Investment Bank (NIB) and NORD/LB to fund two new 91 MW solar farms in Izabelinė and Lieponys, Lithuania. The project includes an 18 MW battery storage system at the Ignalina site. Construction begins August 2025, with commercial operations targeted for July 2027. The combined capacity will be 182 MW of solar and 18 MW of battery storage, generating approximately 100 GWh annually.³⁴
- **Aug 12th:** The International Finance Corporation (IFC), a World Bank Group member, provided ENGIE Energía Perú with a loan of up to \$ 600M to support renewable energy development in Peru. The funds will go towards constructing the 51.7 MW Central Expansión Solar Intipampa plant in Moquegua, refinancing the Duna and Huambos wind farms in Cajamarca, and partially funding the Chilca BESS at the Chilca Thermal Power Plant. This financing includes a \$ 120M Green and Sustainability-Linked Loan, marking a significant step toward a low-carbon economy for Peru by promoting innovative, sustainable, and inclusive energy solutions.³⁵
- **Aug 12th:** The Asian Infrastructure Investment Bank (AIIB) has invested INR 13,012.5M in non-convertible debentures from Aditya Birla Capital, one of India's premier diversified financial companies. This funding is designed to boost financing for renewable energy developments and electric mobility efforts, aligning with India's overall shift to sustainable energy and environmental targets. The proceeds will be allocated to advance clean energy technologies such as solar, wind, hydrogen, and battery storage, along with e-mobility systems encompassing electric vehicles, batteries, and charging networks.³⁶
- **Aug 12th:** French renewable energy company Qair has obtained financing from the State Bank of Mauritius (SBM Bank) for its 60 MW Stor'Sun hybrid solar-plus-storage projects in Mauritius, which are set to help the island nation reach its 2030 renewable energy goals. The SBM Bank loan, totaling just under \$ 100M (MUR 4.5B), supports the implementation of these four projects, which Qair secured under PPAs with the Central Electricity Board (CEB) in 2023.³⁷
- **Aug 6th:** Renalfa IPP, a prominent IPP specializing in renewable energy, has secured a groundbreaking € 315M Holdco financing facility from a consortium of lenders, including the European Bank for Reconstruction and Development (EBRD). This funding aims to expedite the green energy transition across Central and Eastern Europe. The facility will underpin a € 1.2B investment program in Renalfa's portfolio, enabling approximately 1.6 GW of generation assets and 3.3 GWh of co-located BESS to become operational in Bulgaria, Hungary, Romania, and North Macedonia. Led by the EBRD—which provided € 100M directly and mobilized an additional € 100M from commercial partners via an A/B loan structure—the consortium also includes the Black Sea Trade and Development Bank (BSTDB), OTP Bank (OTP), Nova Ljubljanska Banka (NLB), UniCredit, and Kommunalkredit.³⁸
- **Aug 6th:** The European Bank for Reconstruction and Development (EBRD) has provided a € 35.2M loan to Sunly to finance four hybrid solar energy parks in Latvia, a landmark deal marking the EBRD's first direct investment in a renewable energy project in the country. The investment is part of a larger € 84.8M financing

³³ <https://www.renewableenergymagazine.com/storage/nord-lb-consortium-closes-a-240-million-20250818>

³⁴ <https://www.energyglobal.com/solar/13082025/nib-and-nordlb-co-finance-green-genius-solar-projects-in-lithuania/>

³⁵ <https://www.gulfoilandgas.com/webpro1/main/newslist.asp?id=SA>

³⁶ <https://einfews.energyinfra.market/post/aiib-invests-13-0125m-in-aditya-birla-capital-to-boost-re-and-e-mobility-financing-in-india/>

³⁷ <https://theelectricityhub.com/qair-secures-loan-to-build-solar-storage-projects-in-mauritius/>

³⁸ <https://www.renalfa.com/news/renalfa-ipp-closes-eu315-million-holdco-financing-with-a-club-of-banks-led-by-ebrd>

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package that also includes loans from the European Investment Bank (EIB) and Latvia's SEB Bank. The funds will be used to construct four hybrid solar parks with a total installed capacity of 329 MW: Valmiera (54 MW), Krāslava (90 MW), Madona (81 MW), and Saldus (104 MW). The parks will combine solar photovoltaic systems with wind power and BESS.³⁹

- *Aug 5th*: Watson Farley & Williams (WFW) advised a consortium of lending banks — comprising Banco Santander S.A., ABN Amro Bank N.V., Canadian Imperial Bank of Commerce, National Westminster Bank plc, Investec Bank plc and Norddeutsche Landesbank Girozentrale — on a £ 220M green financing package granted to Pulse Clean Energy. The funding will support the construction of six new BESS sites across the UK. The funding will also provide capital for nine late-stage construction or operational sites. The new projects — which span Scotland, Devon, Greater Manchester and Wales — are expected to be operational by the end of 2027.⁴⁰
- *Aug 5th*: FRV Australia, a prominent developer in sustainable energy and an affiliate of Jameel Energy and OMERS Infrastructure, has revealed the financial closure for its Gnarwarre BESS initiative in Victoria. Boasting a 250 MW / 500 MWh capacity, the venture is supported through FRV Australia's portfolio financing arrangement finalized in July 2024. Once finished, this will elevate FRV Australia's overall installed capacity to approximately 1.4 GW. Funding for the project comes from a consortium of five banks: Westpac Banking Corporation, United Overseas Bank, and Intesa Sanpaolo, which were previously involved in the portfolio facility, plus two newcomers, KfW IPEX-Bank and Export Development Canada. The Clean Energy Finance Corporation (CEFC), an initial participant in the lending consortium, aided the project during its preliminary funding phase and withdrew after adequate capital was obtained.⁴¹

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Contact us today for more information about financial, technical, and commercial due diligence services.



MOU and Partnerships

United States

- *Aug 28th*: Ormat Technologies, Inc. (Ormat), a leading geothermal and renewable energy company, has announced the signing of a strategic commercial agreement with Sage Geosystems Inc. (Sage), a pioneer in next-generation geothermal and energy storage technology. Under the terms of the agreement, Sage will pilot its advanced Pressure Geothermal technology to extract geothermal heat energy from hot dry rock at an existing Ormat power plant. Following the successful completion of the pilot project, Ormat will have the right to develop, build, own and operate geothermal power plants using Sage's Pressure Geothermal

³⁹ <https://www.ebrd.com/home/news-and-events/news/2025/ebd-supports-large-scale-hybrid-solar-energy-rollout-in-latvia.html>

⁴⁰ <https://www.wfw.com/press/wfw-advises-lenders-on-220m-green-loan-for-pulse-clean-energy-bess-portfolio-financing/>

⁴¹ <https://strategicenergy.eu/frv-australia-completes-financial-close-of-250-mw-500-mwh-gnarwarre-battery-project/>

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techniques. In addition, Ormat will have the right to develop, build, own and operate long- and short-duration energy storage projects utilizing Sage's pressure geothermal energy storage technology.⁴²

- **Aug 21st:** Leap, the leading platform for building and scaling VPPs, announced a strategic partnership with Texture, an AI-native energy operations platform, to accelerate the deployment of battery storage systems as grid resources. Together, the companies are making it easier and faster for storage providers to tap into the growing value of VPPs to access new revenue streams and maximize the return on their battery assets.⁴³
- **Aug 20th:** Energy Vault Holdings, Inc. (Energy Vault), a global leader in grid-scale energy storage solutions, and Astor Enerji, a leading global manufacturer of high-quality power transformers and high-voltage equipment, announced the signing of a Global Strategic Agreement. Under the agreement, Energy Vault will supply B-VAULT™ BESS solutions for Astor Enerji's four grid-connected Solar PV projects in Romania, delivering a combined storage capacity of up to 2 GWh. These systems will be integrated with Energy Vault's VaultOS™ energy management system (EMS) platform for optimal performance and grid stability. Astor Enerji will provide transformers and high-voltage equipment for more than 1 GW of Energy Vault BESS projects planned in the United States, Australia, and Europe.⁴⁴

International

- **Aug 29th:** ACWA Power signed a landmark deal with Syria's Ministry of Energy to conduct feasibility studies for solar power plants and storage systems with a capacity of up to 1,000 MW. The MOU was signed during the Damascus International Fair.⁴⁵
- **Aug 29th:** Emerge, a clean energy partnership between Masdar and France's EDF, is expanding in the Gulf Cooperation Council (GCC) countries with key solar and battery storage projects. It's strengthening its role as a top supplier of ready-to-use renewable energy systems for businesses, industries, schools, and hotels in the region. Founded in 2021, Emerge focuses on small-scale solar setups, energy storage, off-grid solar, and hybrid systems. Currently, it supplies clean power to over 40 facilities in those sectors across the area.⁴⁶
- **Aug 21st:** Blueleaf Energy and Chemsain Sustainability have signed a Memorandum of Understanding (MoU) to explore the development of up to 3 GW of solar PV and BESS in Sarawak, Malaysia. This collaboration aims to support Malaysia's National Energy Transition Roadmap and Sarawak's PCDS 2030 strategy by developing renewable energy projects, securing grid access, and strengthening the local industrial clean energy ecosystem over the next two years.⁴⁷
- **Aug 18th:** Spanish utility Iberdrola SA has partnered with Ingeteam to integrate BESS at four solar parks in Spain. Ingeteam will hybridize the existing PV plants in Revilla Vallejera (Burgos), Andevalo (Huelva), and Almaraz I&II (Extremadura) using a BESS. The company will supply and commission its medium-voltage power electronics, control electronics, and SCADA solutions for each of the plants, which will begin operating in the last quarter of the year.⁴⁸
- **Aug 13th:** The Ministry of Trade, Industry and Energy (MOTIE) in Korea and the Ministry of Industry and Trade

⁴² <https://www.globenewswire.com/news-release/2025/08/28/3140858/26372/en/Ormat-Technologies-Announces-Strategic-Commercial-Agreement-With-Sage-Geosystems-Inc.html>

⁴³ <https://www.businesswire.com/news/home/20250821555158/en/Leap-and-Texture-Partner-to-Unlock-New-Grid-Revenue-Streams-for-Battery-Storage-Providers>

⁴⁴ <https://www.businesswire.com/news/home/20250820000523/en/Energy-Vault-Turkeys-Astor-Enerji-Launch-Global-Strategic-Partnership-with-BESS-Deployments-Totalling-2-GWh-and-1-GW-Transformer-Procurement-from-Astor-Enerji>

⁴⁵ <https://www.arabnews.com/node/2607947/business-economy>

⁴⁶ <https://www.greentechnewsme.com/emerge-accelerates-gcc-clean-energy-expansion-with-new-solar-and-storage-projects/>

⁴⁷ <https://www.blueleafenergy.com/press/blueleaf-energy-chemsain-sustainability-sign-mou-to-explore-development-of-renewable-energy-projects-in-sarawak-malaysia/>

⁴⁸ <https://www.ingeteam.com/us/Pressroom/tabid/3388/articleType/ArticleView/articleId/3732/language/en-US/Iberdrola-and-Ingeteam-to-hybridise-existing-solar-plants-with-new-storage-systems.aspx>

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(MOIT) in Vietnam have entered an MOU to bolster collaboration on renewable energy. This MOU, focused on renewables, seeks to accelerate the transition to sustainable energy by promoting joint public-private ventures in solar, wind, and energy storage technologies.⁴⁹

- **Aug 13th:** HiTHIUM, a leading innovator in energy storage solutions, announced a strategic partnership with The Imperial Electric Company (Pvt.) Ltd. (IEC Pakistan), one of Pakistan's most established power system integrators, to distribute 1 GWh of residential and commercial & industrial (C&I) energy storage products across Pakistan. The signing ceremony took place at the China International Energy Storage Expo (EESA EXPO) in Shanghai, China.⁵⁰
- **Aug 12th:** Jinko ESS has partnered with TIJIRIT, a Mauritanian bottled water company, to install a solar-plus-storage system at their factory, replacing diesel generators with a 2.15 MWh SunGiga energy storage system and 1.3 MW of Tiger Neo solar panels. The project aims to provide 24/7 clean, stable power for TIJIRIT's operations.⁵¹
- **Aug 8th:** VinEnergo JSC has signed a preliminary, non-binding MoU to install rooftop solar power and battery storage systems at VinFast, VinES, and V-G facilities in Vietnam's Vŭng Áng Economic Zone. The agreement, intended to support green manufacturing and clean energy adoption, will add 43 MW_p of solar capacity and 45 MWh of battery storage.⁵²
- **Aug 5th:** BayWa r.e. Solar Trade, one of the world's leading distributors of photovoltaic solutions, is expanding its offering in the commercial energy storage segment across Europe. As part of a strategic partnership with Tier-1 manufacturer WHES, the company will now distribute C&I WHES battery storage systems in key European markets, with exclusive agreements in Germany, Italy, Belgium, Luxembourg, Spain, Portugal, Austria, Switzerland, as well as Lithuania, Greece, Albania, and Kosovo. WHES has proprietary components for power conversion and energy management (PCS and EMS), along with battery modules from CATL.⁵³

Recent Project and Development Announcements

United States

- **Aug 20th:** Fullmark Energy, a leading IPP focused exclusively on energy storage, announced the commercial operations date (COD) of its 20 MW / 40 MWh Ortega energy storage project in Lake Elsinore, California. The milestone marks the third project to achieve operations within Fullmark Energy's Redwood Projects portfolio, a strategic collection of energy storage facilities across Southern California. With the Ortega project now operational, Fullmark Energy continues to advance its robust 4 GW development pipeline across multiple U.S. markets, including additional projects in California, Texas, and the Mid-Atlantic region.⁵⁴
- **Aug 20th:** NextEra Energy Resources (NEER), through its subsidiary Dominguez Energy Storage, LLC, has received approval from the Utah Inland Port Authority (UIPA) for its 200MW BESS in Salt Lake City, Utah, US. The project will be developed in the Northwest Quadrant Project Area in Salt Lake City.⁵⁵
- **Aug 15th:** Gentari Renewables (Gentari) has started construction on the Maryvale Solar and Energy Storage project in New South Wales. This significant project, located in the Central-West Orana Renewable Energy Zone, involves a 243 MW_p solar farm DC coupled with a 172 MW / 409 MWh BESS. Commercial operation is expected by early 2027.⁵⁶

⁴⁹ <https://aseanenergy.org/news-clipping/korea-and-vietnam-sign-renewable-energy-agreements-to-strengthen-bilateral-partnership/>

⁵⁰ <https://www.hithium.com/newsroom/latest/details/76.html>

⁵¹ <https://www.jinkosolar.com/en/site/newsdetail/2686>

⁵² <https://en.vietnamplus.vn/vinenergo-launches-rooftop-solar-battery-storage-projects-in-ha-tinh-post324232.vnp>

⁵³ <https://www.baywa-re.com/en/news/baywa-r-e-solar-trade-and-whes-announce-exclusive-distribution-partnership-for-the-european-market>

⁵⁴ <https://www.globenewswire.com/news-release/2025/08/20/3136435/0/en/Fullmark-Energy-Announces-Commercial-Operations-at-20MW-Ortega-Energy-Storage-Project.html>

⁵⁵ <https://renewablesnow.com/news/nextera-wins-permit-for-200-mw-battery-in-salt-lake-city-1280623/>

⁵⁶ <https://www.gentari.com/insight/gentari-breaks-ground-on-maryvale-solar-energy-storage-project>

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- *Aug 15th*: National Renewable Solutions (NRS), a US-based renewable energy developer, announced that Shallow Basket Energy is now operating. The 140 MW_{ac} Solar PV and 50 MW BESS project, located in Rio Arriba County, New Mexico, reached commercial operation in August 2025.⁵⁷
- *Aug 14th*: ACEN Australia has submitted a proposal under Australia's Environment Protection and Biodiversity Conservation (EPBC) Act for constructing a 440 MW / 1,760 MWh BESS in Queensland's Central Highlands. The intended Lilyvale BESS is positioned roughly 52 km northeast of Emerald, next to Ergon Energy's Lilyvale Substation.⁵⁸
- *Aug 8th*: Developer Calibrant has successfully energized three front-of-the-meter BESS in Westchester County, New York, providing a total of 13.5 MW of power and 55.7 MWh of capacity to the Con Edison grid through the Value of Distributed Energy Resources (VDER) program.⁵⁹
- *Aug 7th*: Portland General Electric (PGE) announced the completion of three new utility-scale BESS, adding 475 MW and more than 1.9 GWh of dispatchable capacity. Two of the newly operational facilities, successfully developed and awarded to Eolian, L.P. (Eolian) through PGE's 2021 All-Source Request for Proposals (RFP) process, include:
 - Seaside: A 200 MW PGE-owned facility located in North Portland and delivered to PGE by Eolian, L.P. (Eolian) under a fixed-cost Build-Transfer Agreement (BTA). The facility achieved commercial operation in July 2025.
 - Sundial: A 200 MW facility in Troutdale, developed by Eolian and operated by NextEra Energy Resources under a 20-year storage capacity agreement with PGE. The facility achieved commercial operation in December 2024.
 - Constable: A 75 MW PGE-owned facility located in Hillsboro and constructed for PGE under an engineering, procurement and construction agreement with Mortenson. The facility achieved commercial operation in December 2024.⁶⁰
- *Aug 7th*: Zelestra, a Spanish development company, has presented an Environmental Impact Study (EIS) to Chile's assessment authority, requesting approval for constructing the Rinconada Solar hybrid facility along the western boundary of Santiago's Metropolitan Region. The project integrates a 254.3 MW_{dc} Solar PV installation with a BESS, carrying an anticipated capital investment of USD 350M. Building is planned to commence in July 2027.⁶¹
- *Aug 6th*: Arevon Energy, Inc., a leading American energy developer, owner, and operator, hosted a ribbon-cutting ceremony to celebrate the completion of the company's Eland Solar-plus-Storage Project (758 MW_{dc} Solar PV + 300 MW / 1,200 MWh BESS), which is now fully operational. Arevon's two-phase Eland project, sited near Mojave in Kern County, is one of the nation's largest solar-plus-storage facilities, with total capital costs of more than \$ 2B. The energy generated and stored by Eland is under long-term agreements with SCPPA.⁶²
- *Aug 6th*: Calibrant, a leading provider of on-site energy solutions for large power users, has energized and begun generating VDER credits from three front-of-the-meter BESS in New York. Located across Westchester County, these systems utilize U.S.-manufactured battery systems to deliver a combined 13.5 MW / 55.7 MWh of dispatchable capacity to the Con Edison electric grid.⁶³

⁵⁷ <https://www.prnewswire.com/news-releases/nrss-shallow-basket-energy-project-brings-renewable-energy-to-jicarilla-apache-nation-building-on-legacy-of-environmental-stewardship-302530935.html>

⁵⁸ <https://energynews.pro/en/acen-australia-files-federal-application-for-1760mwh-battery-in-queensland/>

⁵⁹ <https://www.calibrantenergy.com/resources/westchester-new-york-bess>

⁶⁰ <https://www.prnewswire.com/news-releases/pge-energizes-475-mw-of-battery-energy-storage-to-boost-grid-reliability-and-keep-costs-low-for-oregonians-302524303.html>

⁶¹ <https://www.ess-news.com/2025/08/18/zelestra-plans-250-mw-solar-farm-with-four-hour-battery-in-chile/>

⁶² <https://www.prnewswire.com/news-releases/arevon-reaches-full-operations-at-its-2-billion-eland-solar-plus-storage-project-in-california-302523263.html>

⁶³ <https://www.businesswire.com/news/home/20250806689850/en/Calibrant-Energizes-Three-Front-of-the-Meter-Battery-Storage-Systems-in-New-York-Unlocking-Grid-Relief-and-Corporate-Value>

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- **Aug 5th:** Storage developer Eku Energy, along with battery system supplier NHOA Energy, announced successful commissioning of two utility-scale energy storage projects at Basildon in Essex and Loudwater in Buckinghamshire. They add a total of 130 MWh of installed capacity for critical grid support, providing balancing and ancillary services to strengthen the UK's energy system. Each project will deliver ancillary and balancing services that will support both the local and the national grid, boosting energy security and reliability for electricity consumers in the United Kingdom.⁶⁴
- **Aug 5th:** Arevon Energy, Inc., a leading American energy developer, owner, and operator, commemorated construction proceedings at a milestone celebration event for its Nighthawk Energy Storage Project (300 MW / 1,200 MWh BESS) in Poway, California. In 2021, Arevon signed a long-term contract under which Nighthawk will provide energy and resource adequacy to Pacific Gas and Electric Company (PG&E).⁶⁵

International

- **Aug 29th:** Potentia Energy's 900 MWh Emeroo battery storage project is the first to receive environmental approval under South Australia's new Hydrogen and Renewable Energy (HRE) Act, which was created to streamline and regulate large-scale renewable energy and hydrogen developments. The approval allows the project to proceed, with construction potentially starting later in 2025 and operations beginning in early 2027, contributing to the grid's stability and facilitating the integration of more renewable power.⁶⁶
- **Aug 22nd:** UK-based Harmony Energy has switched on a new 100 MW / 200 MWh BESS at the port of Nantes-Saint-Nazaire, France, making it the country's largest of its kind, with Tesla Megapack batteries and the Autobidder control system for grid stability. The facility is located on the site of a former coal power plant and uses the stored energy to provide grid balancing services to the Réseau de Transport d'Électricité (RTE) national transmission network, replacing fossil-fuel peaking plants and supporting France's energy transition.⁶⁷
- **Aug 20th:** Indian and multinational conglomerate group, Hinduja Group, plans to invest between \$3 to \$4B to expand its Indian renewable energy capacity from 3 GW to over 10 GW by 2030, focusing on hybrid projects combining solar and wind power with battery storage for up to eight hours, and evaluating pumped hydro storage for future growth. This strategy also includes integrating renewable energy into electric mobility and utilizing digital analytics for improved plant performance.⁶⁸
- **Aug 20th:** TotalEnergies announced the solarization of its lubricants plant at Go Dau, Dong Nai Province, Vietnam. A first for TotalEnergies ENEOS in Vietnam, the milestone project combines a 310kW_p solar PV system with a 220 kWh BESS, enabling the plant to meet up to 60% of its electricity needs with clean, renewable energy.⁶⁹
- **Aug 19th:** Italy's Ministry of the Environment and Energy Security (MASE) has issued final approvals for multiple new BESS projects. These approvals, granted via a simplified permitting process, allow developers to begin construction. The approvals include:⁷⁰
 - BESS BY ERRY S.r.l. / Melfi (Basilicata) / 280 MW
 - BESS Sessa Aurunca S.r.l. / Sessa Aurunca (Campania) / 120 MW
 - Sphera Vaya S.r.l. BESS / Lazio / 100 MW
 - Energy Total Capital BESS / Bisaccia (Campania) / 30 MW

⁶⁴ <https://www.businesswire.com/news/home/20250805090347/en/Eku-Energys-battery-storage-projects-in-Essex-and-Buckinghamshire-are-commissioned-with-BESS-supplier-NHOA-Energy-and-ready-to-go-live>

⁶⁵ <https://arevonenergy.com/news/releases/arevon-celebrates-construction-proceedings-at-its-300-megawatt-1200-megawatt-hour-nighthawk-energy-storage-project-in-california/>

⁶⁶ <https://www.pv-magazine-australia.com/2025/08/28/900-mwh-project-is-first-battery-system-approved-under-new-clean-energy-act/>

⁶⁷ <https://harmonyenergy.co.uk/frances-largest-bess-energised/>

⁶⁸ <https://www.angelone.in/news/market-updates/hinduja-plans-dollar-4-billion-push-to-triple-green-energy-capacity-by-2030>

⁶⁹ <https://solar.totalenergies.asia/totalenergies-solarizes-its-lubricants-plant-in-dong-nai-province-vietnam/>

⁷⁰ <https://strategicenergy.eu/italy-approves-over-600-mw-of-bess-storage-in-four-new-projects/>

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- Bess Benevento S.r.l. / Benevento (Campania) / 50 MW
- Aclteck S.r.l. / Andria (Puglia) / 68 MW
- **Aug 13th:** OX2, a Swedish renewable energy company, has been granted approval to build a 135 MW Solar PV and 35 MW / 270 MWh BESS project in Muswellbrook, New South Wales, Australia, on the site of a former coal mine. The project is expected to be completed and connected to the NSW electricity network by 2027.⁷¹
- **Aug 12th:** The Ugandan government has officially approved a new solar-plus-storage project in Kapeeka Sub-County, Nakaseke District, through a Gazetted Policy Direction. This project (100 MW_p Solar PV + 250 MWh BESS) will be developed by the U.S.-based company Energy America through its regional subsidiary EA Astrovolt.⁷²
- **Aug 12th:** Madhya Pradesh and Rewa Ultra Mega Solar Limited (RUMSL) are developing their first integrated solar-plus-storage project in Morena, a 600 MW Solar PV + 880 MWh BESS. The project, located in the Morena Solar Park, will consist of two 300 MW units, each with a co-located BESS designed to deliver 440 MWh of peak power twice daily. Bids from suppliers were due August 29th.⁷³
- **Aug 11th:** Renewable energy developer Apatura has received planning consent for a new grid-scale 24 MW / 48 MWh BESS on Parkhouse Road, near the town of Barrhead, near Glasgow, Scotland. This latest approval follows the news last month that Apatura secured planning consent for a new 560 MW / 1,120 MWh BESS project near Clydebank. Apatura has now secured permission to build a combined total of more than 2.2 GW in electricity storage capacity at sites across central Scotland.⁷⁴
- **Aug 8th:** Gresham House Energy Storage Fund (GRID) announced that it has deployed 1 GWh of operational BESS capacity in the UK. This significant achievement positions GRID as the UK's largest fund investing in utility-scale BESS projects.⁷⁵
- **Aug 7th:** Africa REN has inaugurated the Walo Storage project (16 MW Solar PV + 10 MW / 20 MWh BESS) in Bokhol, northern Senegal, marking West Africa's first grid-tied solar-plus-storage installation. It integrates a 16 MW Solar PV + 10 MW / 20 MWh lithium-ion BESS. Engineered for frequency control, the plant bolsters grid reliability for Senelec, Senegal's state-owned utility, while contributing to the nation's target of 40% renewable energy integration by 2030. The development was financed with a € 40M commitment from FMO, Metier Sustainable Capital, and the Emerging Africa & Asia Infrastructure Fund (EAAIF).⁷⁶
- **Aug 6th:** PowerBank Corporation, a leading North American energy infrastructure developer and asset owner, announced the installation of a 4.99 MW BESS in Cramahe, Ontario. The "SFF-06" project is backed by a \$ 25.8M loan from Royal Bank of Canada (RBC). In July 2023, SFF-06 secured a 22-year contract through the Independent Electricity System Operator's (IESO) Expedited Long-Term RFP (E-LT1 RFP).⁷⁷
- **Aug 5th:** Construction has begun on the Merredin Big Battery (100 MW / 400 MWh) in Western Australia. The project is a joint development between Atmos Renewables and Nomad Energy, with construction by GenusPlus. The Merredin BESS is expected to be commissioned in October 2026.⁷⁸

⁷¹ <https://www.ox2.com/newsroom/press-releases-news/2025/ox2-receives-environmental-approval-to-build-solar-farm-at-decommissioned-coal-mine-in-australia/>

⁷² <https://www.cbs42.com/business/press-releases/ein-presswire/837844060/uganda-approves-energy-america-100-mw-solar-250-mwh-bess-project-under-deepening-u-s-uganda-energy-partnership>

⁷³ <https://einfews.energyinfra.market/post/madhya-pradesh-launches-600-mw-solar-880mw-storage-project-in-morena>

⁷⁴ <https://apatura.energy/news-insights/apatura-secures-planning-approval-for-24mw-battery-storage-project-southwest-of-glasgow/>

⁷⁵ <https://greshamhouse.com/real-assets/energy-transition-investment/>

⁷⁶ <https://energycapitalpower.com/senegal-africa-ren-launch-walo-solar-plus-storage-facility/>

⁷⁷ In July 2023, SFF-06 secured a 22-year contract through the Independent Electricity System Operator's (IESO) Expedited Long-Term RFP (E-LT1 RFP).

⁷⁸ <https://www.wa.gov.au/government/media-statements/Cook%20Labor%20Government/Construction-starts-on-Merredin-Battery-Energy-Storage-System-20250805>

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- **Aug 1st:** Zenobe Energy, a UK-based storage development firm, has unveiled proposals for a 68 MW BESS at an industrial location on the outskirts of Lerwick in Shetland, UK. Funded by roughly £ 60M in non-recourse project-finance debt organized through NatWest, Lloyds, and Siemens Financial Services, the initiative will stand as the largest independent battery ever developed on Scotland's islands and one of Europe's most substantial off-grid installations. By 2027, Zenobe anticipates rolling out 1.2 GW of battery capacity, establishing it as one of the leading owners and operators of battery storage across the UK.⁷⁹

Grants and Funding News

International

- **Aug 6th:** Spain's MITECO approved € 148.5M in funding for 199 renewable energy installations that integrate battery energy storage, a total of 299.6 MW of Solar PV and 351.6 MWh of storage. This initiative, part of the RENOINN incentive program, mandates battery storage for all supported solar projects to ensure a more resilient and dispatchable clean energy system. Key projects include 62 agrivoltaics systems and 11 floating PV installations, with funding provided through the EU's NextGenerationEU Recovery and Resilience Facility.⁸⁰
- **Aug 5th:** Posh Energy's fully owned subsidiary in Singapore, Posh Electric (POSH), has been awarded a grant from the Energy Market Authority (EMA) of Singapore to conduct a trial of a sodium-ion BESS. POSH will lead the development and deployment of a 1 MWh sodium-ion BESS to manage solar intermittency, in partnership with the Institute of Materials Research and Engineering (IMRE) of the Agency for Science, Technology and Research of Singapore (A*STAR), and Utraco Pte Ltd, at Utraco's factory.⁸¹

Vendor / OEM News

- **Aug 29th:** HiTHIUM has shipped its first energy storage systems from its state-of-the-art plant in Texas, marking the company's official move from construction to full-scale local production in North America. The Texas plant, HiTHIUM's first system manufacturing center in the U.S., is designed with an annual capacity of 10 GWh and is equipped with advanced automation and precision processes.⁸²
- **Aug 29th:** Sungrow, the global leading PV inverter and energy storage system provider, showcased its latest innovations in solar and storage technologies at Intersolar South America. The company also announced a major milestone of 25 GW in cumulative contracted PV inverter orders and 10 GWh in energy storage systems across Latin America, underscoring its long-term commitment to accelerating the region's clean energy transition.⁸³
- **Aug 29th:** Australian company PowerCap has officially launched into the European market with its sodium-ion battery technology. The PowerCap POD solution will be available for residential, commercial, and grid-scale applications. Certified to international standards by TÜV, the systems feature a proprietary battery management system (BMS) and an EMS. The European rollout begins with Italy, Germany, and Spain, with plans to expand further across the continent.⁸⁴
- **Aug 28th:** EVE Energy introduced a new 6.9 MWh BESS at the EESA Energy Storage Exhibition in Shanghai, featuring cell-to-pack (CTP) technology for increased energy density and lower costs, alongside modular liquid cooling for improved efficiency and safety. The system is entering small-batch production, with scaled

⁷⁹ <https://www.zenobe.com/battery-project-development/shetland-battery-energy-storage-system/>

⁸⁰ <https://battlink.com/news/spain-solar-plus-storage-renewable-investment/>

⁸¹ <https://www.prnewswire.com/news-releases/posh-electric-awarded-ema-grant-for-sodium-ion-battery-project-302521029.html>

⁸² <https://www.hithium.com/newsroom/latest/details/82.html>

⁸³ <https://en.sungrowpower.com/newsDetail/6658/sungrow-powers-ahead-with-new-solar-and-storage-solutions-at-intersolar-south-america-2025>

⁸⁴ <https://www.ess-news.com/2025/08/29/australias-sodium-ion-energy-storage-technology-launches-in-europe/>

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manufacturing expected in the third quarter of 2025, targeting an annual capacity of 10 GWh from plants in Jingmen, Hubei, and Huizhou.⁸⁵

- **Aug 28th:** Trina Storage Solutions U.S., a global leader in integrated energy storage, announced the North American launch of its Elementa 2 Pro Platform. Building on the success of the Elementa 2 Elevate offering, this next-generation platform delivers a fully integrated, cell-to-AC energy storage solution designed for grid-scale applications. The platform is available in two turnkey configurations: a 10 MWh (2-hour) system and a 20 MWh (4-hour) system.⁸⁶
- **Aug 28th:** HiTHIUM, a leading global energy storage technology company, recently announced that its ∞Cell 587Ah high-capacity energy storage battery has officially entered mass production and completed its first deliveries at the company's Xiamen base. This milestone marks the energy storage industry's entry into the "500Ah+ high-capacity cell era" and highlights HiTHIUM's strength in high-quality manufacturing and reliable delivery.⁸⁷
- **Aug 27th:** Sunwoda unveiled its 684 Ah large-format battery cell at the recently held EESA Energy Storage Exhibition in Shanghai, presenting what the company described as a stage-gate milestone in its in-house cell, pack and system capabilities. Mass production is planned to begin in Q1 2026, targeting an initial annual capacity of 10 GWh. The cell is designed for utility-scale and grid applications, with small-batch trials scheduled for Q4 2025. Mass production is planned to begin in Q1 2026, targeting an initial annual capacity of 10 GWh.⁸⁸
- **Aug 27th:** Wood Mackenzie, the global insight business for renewables, energy, and natural resources, has launched its Nodal Price Forecast solution. The new offering delivers unprecedented granularity in ERCOT market forecasting, providing current-day and next-day locational marginal price (real-time market LMP) predictions across more than 900 nodes with hourly resolution updates.⁸⁹
- **Aug 27th:** Sineng Electric has powered Yunnan's first grid-forming shared energy storage plant, a 150 MW / 300 MWh facility in Yongde. The project, equipped by Sineng, has been operating reliably for over two months, marking a significant milestone as the province's inaugural installation of this type. For the initiative, Sineng Electric designed and supplied an innovative setup featuring a 5 MW central PCS MV Turnkey Station and booster integration system, based on its 1250 kW central PCS.⁹⁰
- **Aug 25th:** GoodWe recently launched the ESA Series, a 125 kW / 261 kWh all-in-one, liquid-cooled BESS for C&I applications, suitable for grid-connected or off-grid use cases like factories, farms, and EV charging stations. Key features include a modular design for scalability, intelligent hybrid cooling for enhanced safety and reliability, an integrated EMS, and multi-level protection and safety features including integrated aerosol-based firefighting modules, smoke and thermal sensors, and humidity monitoring. The system supports up to 6,000 life cycles and operates in a wide temperature range of -25°C to 55°C, meeting stringent UL 9540A testing standards.⁹¹
- **Aug 25th:** Sungrow, the global leading PV inverter and energy storage system provider, officially launched its next-generation energy storage — PowerTitan 3.0 — at the 2025 MEA PV & ESS Summit in Dubai. The PowerTitan 3.0 AC liquid-cooled energy storage system supports 2–4 hours of operation. In its 20 ft configuration, it integrates a 1.72 MW PCS with 6.9 MWh batteries, enabling a 4-hour system where a single block reaches 6.9 MW / 27.6 MWh. Equipped with high-temperature-resistant silicon carbide (SiC) devices,

⁸⁵ <https://www.battery-energy-storage-system.com/news/eve-energy-eesa-2025.html>

⁸⁶ <https://www.prnewswire.com/news-releases/trina-storage-launches-next-generation-elementa-2-pro-platform--industrys-leading-fully-wrapped-cell-to-ac-energy-storage-solution-in-north-america-302538547.html>

⁸⁷ <https://www.hithium.com/newsroom/latest/details/81.html>

⁸⁸ <https://www.finanznachrichten.de/nachrichten-2025-08/66282850-sunwoda-debuts-684-ah-storage-cell-targets-mass-production-in-early-2026-451.htm>

⁸⁹ <https://www.globenewswire.com/news-release/2025/08/27/3140064/0/en/Wood-Mackenzie-launches-Nodal-Price-Forecast.html>

⁹⁰ <https://en.si-neng.com/about/news/117>

⁹¹ <https://en.goodwe.com/goodwe-launches-125kw-261kwh-all-in-one-liquid-cooled-energy-storage-solution-for-ci>

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the PCS delivers up to 99.3% efficiency and maintains full-power output at 55°C without derating, ensuring long-term reliability, safety, and profitability even under extreme heat. With this breakthrough, overall system conversion efficiency climbs to 92%, setting a new benchmark in large-scale ESS design.⁹²

- **Aug 24th:** Voltfang announced the opening of its “Future Fab” production site in Aachen, Germany. The plant will produce second-life battery storage systems for industrial, commercial, and large-scale applications. A planned annual production capacity of 250 MWh is expected next year, rising to 1 GWh before 2031.⁹³
- **Aug 22nd:** HiTHIUM, a leading global energy storage technology company, successfully held the “HiTHIUM 100 GWh Shipment Milestone Ceremony” at its Chongqing manufacturing base. Having surpassed 100 GWh in cumulative shipments, HiTHIUM has also climbed the global rankings—from fifth in 2023 to third in 2024, and Top 2 in the first half of 2025.⁹⁴
- **Aug 21st:** Fluence Energy, Inc. (Fluence), a global market leader delivering intelligent energy storage systems, services, and asset optimization software, announced the start of production at a new manufacturing facility in Houston, Texas. The facility produces thermal management systems, including HVAC and chiller equipment, for Fluence's Gridstack Pro™ battery energy storage solutions. This manufacturing facility and partnership with Bergstrom represent another milestone in Fluence's commitment to building a robust network of U.S.-based manufacturing for the growing battery storage market.⁹⁵
- **Aug 20th:** Richardson Electronics, Ltd., announced the company will expand its operations at its manufacturing headquarters in La Fox, Illinois to make energy storage products. Richardson Electronics plans to make a capital investment of more than \$ 8.5M over the next four years with support from the Reimagining Energy and Vehicles in Illinois (REV Illinois) program. The Company plans to expand its operations, retain nearly 200 skilled employees, and create 54 new full-time jobs in the region.⁹⁶
- **Aug 20th:** Fluence Energy, Inc. (Fluence), a global market leader delivering intelligent energy storage, services, and asset optimization software, and ACE Engineering, announced the completion and opening of a state-of-the-art, automated production facility in Bac Giang Province, Vietnam. The future-ready site is designed to manufacture Fluence's innovative energy storage solutions, including Gridstack Pro™ and Smartstack™. The facility will have a projected annual manufacturing capacity of 35 GWh.⁹⁷
- **Aug 15th:** LION E-Mobility AG plans to implement over 40 energy storage projects in Germany by 2028, in partnership with Münchner Solarkraftwerke. These projects will range from 5 to 150 MW and include both standalone and co-located solutions, utilizing LION Smart's battery storage technology to store and provide grid services for solar power.⁹⁸
- **Aug 12th:** Trina Storage shipped the first 1.2 GWh batch of its Elementa 2 BESS to the Atacama Desert in northern Chile, marking its largest overseas standalone storage project.⁹⁹
- **Aug 7th:** Samsung C&T Corporation's Australian division announced it was selected to install a 250 MW / 500 MWh BESS in Victoria FRV Australia's Gnarwarre battery (250 MW / 500 MWh).¹⁰⁰
- **Aug 4th:** Jinko ESS has partnered with UK energy developer AGR Renewables for a 140 MWh grid-scale energy storage project, which will feature 28 of Jinko ESS's 5 MWh G2 liquid-cooled containerized systems.

⁹² <https://en.sungrowpower.com/newsDetail/6652/sungrow-unveils-powertitan-3-0-redefining-utility-scale-energy-storage-for-mea>

⁹³ <https://renewables.az/en/news/voltfang-opens-second-life-battery-plant-in-germany-billed-as-europe-s-largest>

⁹⁴ <https://www.hithium.com/newsroom/latest/details/77.html>

⁹⁵ <https://www.globenewswire.com/news-release/2025/08/21/3137165/0/en/Fluence-Expands-U-S-Domestic-Supply-Chain-with-Houston-based-HVAC-and-Chiller-Production.html>

⁹⁶ <https://www.morningstar.com/news/globe-newswire/9515746/governor-pritzker-announces-illinois-manufacturer-richardson-electronics-ltd-to-expand-operations-in-kane-county-produce-battery-energy-storage-systems>

⁹⁷ <https://www.globenewswire.com/news-release/2025/08/20/3136771/0/en/Fluence-and-ACE-Engineering-Launch-State-of-the-Art-Automated-Energy-Storage-Factory-in-Vietnam.html>

⁹⁸ <https://e-greenify.com/news/lion-e-mobility-ag-plans-to-launch-over-40-energy-storage-projects-in-germany/>

⁹⁹ <https://www.batteriesinternational.com/2025/08/15/trina-ships-first-1-2gwh-tranche-for-chile-bess-project/>

¹⁰⁰ https://www.linkedin.com/posts/samsung-c-t-australia_frv-australia-completes-financial-close-of-activity-7359084426812682242-pRvG

Deliveries are slated for November 2025, with the project's commissioning expected in the first quarter of 2026.¹⁰¹

- **Aug 4th:** Jinko ESS, a subsidiary corporation of Jinko Solar Co., Ltd., announced its cooperation with Zhejiang Haineng PV Co., Ltd., successfully delivering 8 units of SunGiga 261kWh C&I storage cabinets. These systems were deployed in Yueqing, Wenzhou, to provide energy storage support for local hotels, restaurants, and internet cafés.¹⁰²

Equipment Supply, EPC and O&M Service Agreement Awards

United States

- **Aug 5th:** Energy Vault (Energy Vault), a global leader in sustainable energy storage solutions, announced an agreement with Consumers Energy, Michigan's largest energy provider, for the supply of two BESS, totaling 75 MW / 300 MWh. The BESS deployments will be located in Iosco and Bay Counties, with battery deliveries expected to commence in Q4 2025, construction to begin in Q1 2026, and commercial operation to be achieved by Q4 2026.¹⁰³
- **Aug 1st:** Xcel Energy subsidiary Southwest Public Service Company (SPS) has announced new generation resource additions, adding up to more than half a GW, as part of an overall portfolio to meet the "rapidly rising" energy needs of its Texas and New Mexico service areas. Xcel Energy selected the following mix of resources through their recent tender process: 2,088 MW of natural gas, 1,273 MW of wind, 695 MW of solar, and 1,112 MW of battery storage capacity. Xcel Energy will seek approval of the portfolio from state regulators in the second half of 2025, and the company also plans to issue another all-source RFP to secure additional resources to be operational by 2032.¹⁰⁴

International

- **Aug 27th:** HiTHIUM, a top global provider of energy storage solutions, has secured a significant contract from the Saudi Electricity Company (SEC) to install two BESS projects in northern Saudi Arabia's Tabuk and Hail provinces. Featuring a combined 4 GWh capacity, the initiatives will incorporate HiTHIUM's long-duration battery cells in the ∞Power 6.25MWh Desert Eagle BESS. Partnering with Alfannar Projects, this deployment ranks among the Middle East's largest BESS efforts and advances Saudi Arabia's Vision 2030 by improving grid reliability and boosting renewable energy integration.¹⁰⁵
- **Aug 26th:** AECOM has issued a Letter of Award (LOA) to Contemporary Amperex Technology Co. Limited (CATL) for the supply and integration service for three large-scale BESS projects in Australia. The portfolio includes Little River BESS, located just north of Geelong in Victoria; Yanco BESS, in the Riverina region of New South Wales; and Joel Joel BESS, in Victoria's Wimmera region. Together, these projects will deliver ~3 GWh of energy storage capacity. Under this agreement, CATL will undertake the design, supply, testing, commissioning, and integration of the BESS, MVPS, inverters, PPC, EMS, and SCADA, along with full grid compliance. ACLE Services will serve as the Balance of Plant (BoP) contractor, responsible for the civil and installation of all on-site construction activities. All three projects are shovel-ready, with early works scheduled

¹⁰¹ <https://www.jinkosolar.com/en/site/newsdetail/2685>

¹⁰² <https://www.jinkosolar.com/en/site/newsdetail/2678>

¹⁰³ <https://www.businesswire.com/news/home/20250805799426/en/Energy-Vault-Announces-Contract-with-Consumers-Energy-for-75-MW300-MWh-Battery-Energy-Storage-Projects-in-Michigan>

¹⁰⁴ <https://www.power-eng.com/business/xcel-energy-plans-more-than-half-a-gigawatt-of-new-generation-in-the-southwest-us/#:~:text=Xcel%20Energy%20subsidiary%20Southwest%20Public,and%20New%20Mexico%20service%20areas.>

¹⁰⁵ <https://www.energyglobal.com/energy-storage/27082025/hithium-awarded-energy-storage-contract-by-sec/>

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to commence later this year. The financial close process is now underway, with construction expected to begin in early 2026 and commercial operation planned for Q4 2027.¹⁰⁶

- **Aug 25th:** Envision Group has secured strategic agreements for over 40 GWh of battery energy storage cells with more than a dozen Chinese system integrators, announced at the EESA Energy Storage Exhibition in Shanghai from August 13-15. These deals, which Envision's battery arm, Envision AESC, will fulfill, feature large-format 315 Ah and 530 Ah cells, with the latter slated for mass production in 2025. Major integrators involved include XYZ Storage Technology, Alpha ESS, and Cairi Energy Technology.¹⁰⁷
- **Aug 22nd:** Tesla has delivered 240 Megapack batteries to the port of Puerto Arica for Colbún's Celda (228 MW / 912 MWh solar-plus-storage) project in Chile's Arica and Parinacota region, scheduled for commissioning in mid-2026. Colbun awarded Canadian Solar's e-Storage e-STORAGE a 912 MWh battery storage contract back in April for their Diego de Almagro Sur Project.¹⁰⁸
- **Aug 19th:** Shoals Technologies Group has been selected to work alongside PCL Construction on the Maryvale solar-plus-storage project in New South Wales, a 243 MW_p installation that will pair utility-scale photovoltaics with a 172 MW / 409 MWh BESS. The collaboration brings together Shoals' electrical balance-of-system (EBOS) hardware and PCL's large-project delivery capabilities—an increasingly common partnership model as Australian developers seek reliability, speed, and cost control.¹⁰⁹
- **Aug 18th:** China Electric Equipment Group (CEEG) awarded almost all its recent 7,248 MWh energy storage cell tender to the 314 Ah product, with Cornex and Trina Storage. The procurement was announced on August 11, 2025, and covered various cell capacities, but the 314 Ah product received most of the awarded capacity. In the 314 Ah category, Cornex secured the largest allocation with 2,920 MWh, followed by Trina Storage with 2,180 MWh, Hithium with 1,400 MWh, and Gotion with 700 MWh. The volumes for 314 Ah cells alone at 7.2 GWh represent a record high for a single centralized procurement in China.¹¹⁰
- **Aug 6th:** Larsen & Toubro (L&T) Renewables has secured a major contract from the Bihar State Power Generation Company (BSPGCL) to develop a 116 MW solar power project with a 241 MWh BESS in Kajra, Bihar. The Engineering, Procurement, and Construction (EPC) order, valued between ₹1,000 and ₹2,500 crore, is part of a larger initiative to increase the state's renewable energy capacity and grid stability.¹¹¹
- **Aug 4th:** EPC firm Larsen & Toubro (L&T) has secured a contract to build a 116 MW Solar PV + 241 MWh BESS project in Kajra, Bihar, India. The project, awarded by SJVN Green Energy, will be developed on a turnkey basis by L&T's renewables.¹¹²
- **Aug 4th:** Renewables company Sunterra RE has selected Sungrow to deploy 1 GWh of BESS at three of its largest photovoltaic parks in Bulgaria. The agreement marks the second phase in Sunterra RE's plan to expand its energy storage capacity and will more than triple the current 300 MW capacity. Sungrow is tasked with the production, testing and delivery of its MV-Power Titan 2.0 industrial system.¹¹³
- **Aug 1st:** Australian energy company AGL has approved its 500 MW / 2,000 MWh Tomago BESS in New South Wales, a project where energy storage firm Fluence will serve as the delivery partner. Construction for the AUD 800M (approximately USD 514M) BESS is slated to begin in late 2025 and is projected to be operational by late 2027.¹¹⁴

¹⁰⁶ <https://www.acenergy.com.au/post/acenergy-and-catl-partner-on-3-gwh-utility-scale-bess-portfolio>

¹⁰⁷ <https://en.wedoany.com/shortnews/56768.html>

¹⁰⁸ <https://en.wedoany.com/shortnews/56531.html>

¹⁰⁹ <https://investors.shoals.com/news/news-details/2025/Shoals-Technologies-Group-and-PCL-Construction-Break-Ground-on-243-MW-Maryvale-Solar-and-Energy-Storage-Project-in-Australia/default.aspx>

¹¹⁰ <https://news.futunn.com/en/flash/19238327/trina-storage-successfully-won-a-major-contract-from-china-electric>

¹¹¹ <https://www.larsentoubro.com/pressreleases/2025-08-04-lt-renewables-business-secures-significant-order-for-bess-integrated-solar-plant/>

¹¹² <https://www.larsentoubro.com/pressreleases/2025-08-04-lt-renewables-business-secures-significant-order-for-bess-integrated-solar-plant/>

¹¹³ <https://www.power-technology.com/news/sunterra-re-sungrow-bess/>

¹¹⁴ <https://ir.fluenceenergy.com/news-releases/news-release-details/fluence-and-agl-sign-deal-deliver-500-mw-2000-mwh-tomago-battery>

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Optimization and Virtual Toll Agreement Awards

United States

- **Aug 12th:** Ascend Analytics (Ascend), the leading provider of market intelligence and analytics solutions for the power industry, announced that it has teamed with Tenaska Power Services Co. (TPS), a leading power marketer and energy management service provider with business operations spanning the energy value chain, to offer customers a fully integrated and comprehensive solution to their scheduling and bid optimization needs. Ascend's SmartBidder™ optimization platform will be available together with TPS' market interface, energy management, and settlement services and the TPS PowerTools™ scheduling/bid-to-bill platform.¹¹⁵
- **Aug 6th:** Gridmatic, a leading AI-enabled power marketer, announced the launch of the Gridmatic AI Load Optimizer, giving large energy consumers access to industry-leading forecasting and automation to strategically manage their energy use. The platform is launching in collaboration with Vega Energy Advisors, a versatile energy consultancy specializing in the bitcoin mining sector. Vega offers a full spectrum of services tailored to flexible load customers, including not only retail energy strategy but also 4CP management, demand response program design, and operational optimization.¹¹⁶
- **Aug 5th:** Adapture Renewables, Inc. (Adapture), a utility-scale solar and energy storage project developer, owner and operator, announced the commercial operation of two BESS projects in Texas, marking the company's first operational projects in their energy storage portfolio. To operate the systems, Adapture has engaged Ascend Analytics (Ascend), the leading provider of market intelligence and analytics solutions for the power industry, and will utilize its SmartBidder™ solution to maximize asset performance.¹¹⁷

International

- **Aug 7th:** Pacific Green Technologies, Inc., a global leader in BESS, announced that its Australian battery storage business has signed a landmark framework agreement with Re2 Capital Ltd. (Re2). The agreement covers seven to 10-year capacity revenue swap arrangements across four BESS projects located in South Australia, Victoria, New South Wales, and Queensland, in support of 2 GWh of new storage capacity. This industry-first agreement marks a major milestone in Pacific Green's growth trajectory, significantly accelerating the route to market for its 7 GWh Australian project portfolio.¹¹⁸
- **Aug 5th:** Pacific Green Technologies has signed a 10-year tolling agreement with Australian energy retailer ZEN Energy for its 1.5 GWh BESS projects, to be located in Victoria, New South Wales, and Queensland. This framework agreement provides a stable revenue stream and accelerates market entry for Pacific Green's Australian project portfolio, which now totals 7 GWh.¹¹⁹

¹¹⁵ <https://www.prnewswire.com/news-releases/ascend-analytics-and-tenaska-power-services-to-offer-integrated-scheduling-and-bid-optimization-services-302526705.html>

¹¹⁶ <https://www.businesswire.com/news/home/20250806099239/en/Gridmatic-Launches-AI-Load-Optimizer-to-Help-Large-Energy-Users-Capture-More-Value-from-ERCOT-Markets>

¹¹⁷ <https://www.prnewswire.com/news-releases/adapture-renewables-launches-first-battery-storage-projects-with-74mwh-of-capacity-in-texas-302521070.html>

¹¹⁸ <https://www.globenewswire.com/news-release/2025/08/06/3128812/0/en/Pacific-Green-Signs-a-Landmark-Offtake-Framework-Agreement-with-Re2-Capital-to-Support-2GWh-of-BESS-Projects-in-Australia.html>

¹¹⁹ <https://www.globenewswire.com/news-release/2025/08/04/3126986/0/en/Pacific-Green-Signs-Commitment-Agreement-With-ZEN-Energy-for-BESS-Offtake-in-Australia-for-1-5GWh.html>

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Off-Take / PPA / Awards News

United States

- **Aug 25th:** Ormat Technologies, Inc. (Ormat), a leading geothermal and renewable energy company, announced that it signed a 25-year extension to its existing PPA with the Southern California Public Power Authority (SCPPA), for 52 MW from Heber 1 geothermal facility. This long-term agreement, effective as of February 2026, will ensure the continued delivery of clean, baseload geothermal energy to the Los Angeles Department of Water and Power (LADWP) and the Imperial Irrigation District (IID).¹²⁰
- **Aug 6th:** Origis Energy, one of America's leading renewable energy and decarbonization solution platforms, and Pioneer Community Energy (Pioneer), a not-for-profit electricity provider headquartered in Rocklin, California, announced the signing of a 20-year agreement for the Chalan Solar + Storage project in Lost Hills, Kern County, California. Origis Energy will develop, construct and operate the 65 MW_{ac} Solar + 25 MW / 100 MWh BESS, selling the power to Pioneer to help fuel its growth. Chalan is slated for commercial operation in 2026.¹²¹

International

- **Aug 29th:** Sunsire Energy has signed a 15-year Battery Energy Discharge Purchase Agreement (BEDPA) with NTPC Vidyut Vyapar Nigam Ltd (NVVN), a wholly owned subsidiary of NTPC Ltd. The deal involves supplying 125 MW / 500 MWh of peak power from a standalone BESS to NVVN, with Uttar Pradesh Power Corporation Ltd (UPPCL) as the ultimate end-user. Under the agreement, Sunsire will develop, own, and operate the BESS facility at the Garautha substation (400/220 kV) in Jhansi, Uttar Pradesh. The system will provide four hours of on-demand power during peak periods between 6 p.m. and 10 a.m., helping UPPCL meet high-demand needs with reliable, clean energy at competitive long-term rates.¹²²
- **Aug 28th:** Maaden Bauxite and Alumina Company (MBAC), a subsidiary of Maaden (Saudi Arabian Mining Company), has signed a PPA with Emerge, a JV between Masdar, a global clean energy leader, and EDF Power Solutions, for an 8 MW_p Solar PV + 30 MWh BESS.¹²³
- **Aug 25th:** Developer Prostorm Info Systems Limited was awarded a contract in Karnataka, India, after emerging as the successful bidder in the state's latest battery storage auction. The company won the Karnataka Power Transmission Corporation Limited (KPTCL) tender to establish a 150 MW / 300 MWh standalone BESS at the Doni substation in Gadag district. The project will be delivered under a build-own-operate arrangement, with Prostorm committed to managing the facility for a 12-year period. The winning tariff was set at INR 254,000 (\$ 2,900) per MW per month, which factors in state support through viability gap funding (VGF). Under this scheme, the developer will be entitled to the lesser of INR 2.70mn or 30% of the total capital expenditure.¹²⁴
- **Aug 19th:** Reliance Infrastructure has received a Letter of Award from NHPC for a 390 MW solar power project and a 780 MWh BESS. This addition brings the Reliance Group's clean energy portfolio to over 3 GW_p of solar and 3.5 GWh of BESS capacity, making it India's largest integrated Solar + BESS player. The project's tariff was set at ₹ 3.13/kWh, among the most competitive in the sector.¹²⁵

¹²⁰ <https://www.globenewswire.com/news-release/2025/08/25/3138549/26372/en/Ormat-Signs-25-Year-PPA-Extension-with-SCPPA-Securing-Long-Term-Renewable-Energy-Supply-for-Southern-California.html>

¹²¹ <https://www.prnewswire.com/news-releases/origis-energy-and-pioneer-community-energy-announce-20-year-solar--battery-storage-agreement-302523432.html>

¹²² <https://thetechinformer.com/news/sunsire-energy-nvvn-sign-500-mwh-bess-agreement-for-peak-power-supply-to-uppcl/>

¹²³ <https://www.tradearabia.com/News/436091/Maaden-unit-seals-clean-energy-supply-contract-with-Masdar-JV>

¹²⁴ <https://www.marketscreener.com/news/india-s-prostorm-info-systems-wins-battery-storage-auction-in-karnataka-ce7c50d8df8df027>

¹²⁵ <https://economictimes.indiatimes.com/industry/renewables/reliance-infra-bags-nhpc-order-for-390-mw-solar-project-780-mwhr-bess/articleshow/123377617.cms?from=mdr>

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- **Aug 18th:** Clean energy solutions company Gentari has partnered with UltraTech Cement Limited, India's largest cement and ready-mix-concrete company, to fully operationalize the country's first-of-its-kind on-site Hybrid RTC renewable energy project. The 7.5 MW of RTC renewable energy facility brings together solar, wind, and battery energy storage, all co-located within the premises of UltraTech's integrated cement manufacturing unit Sewagram Cement Works located in Gujarat.¹²⁶
- **Aug 13th:** ACME Solar Holdings Ltd revealed that its fully owned subsidiary, ACME Hybrid Urja Pvt Ltd, obtained ₹ 3,184 crore in project funding from the government-owned REC Ltd to construct a 280 MW Firm and Dispatchable Renewable Energy (FDRE) initiative (solar and storage). REC acts as the sole financier, extending long-term loans for 18 years. ACME also inked a 25-year PPA with NHPC at a rate of ₹ 4.64 per unit.¹²⁷
- **Aug 7th:** MASEN, Morocco's sustainable energy agency, has awarded ACWA Power the contracts for the NOOR Midelt II and NOOR Midelt III solar projects, each featuring 400 MW of solar PV and integrated battery storage. These projects will be developed under a Build-Own-Operate (BOO) model with a 30-year PPA with MASEN, a move that signals a shift from the original Concentrated Solar Power (CSP) plans for these sites to prioritize solar PV and battery energy storage. The previous NOOR Midelt I project, a 2019 award for a PV-CSP hybrid plant to a different consortium, had also seen recent recommendations to replace CSP with PV and BESS.¹²⁸
- **Aug 2nd:** The Kerala State Electricity Regulatory Commission has greenlit a 125 MW / 500 MWh BESS at the Mylatti Substation in Kasargod district, India. Led by the Kerala State Electricity Board Ltd (KSEBL) with backing from the Ministry of Power via the Viability Gap Funding (VGF) scheme, the project has secured ₹ 135 crore in VGF under the state component. JSW Neo Energy Limited emerged as the winner in a competitive bidding process, offering a tariff of ₹ 4.41 lakh per MW per month.¹²⁹
- **Aug 1st:** NTPC Green Energy, Opera Energy, and Tata Power Renewable Energy emerged as the victors in NHPC's January 2025 auction for constructing 125 MW / 500 MWh standalone BESS in Kerala as part of the initial phase. NTPC Green Energy clinched two initiatives: a 40 MW / 160 MWh setup at the Sreekantapuram substation with a monthly rate of ₹ 434,000 per MW, and a similar 40 MW / 160 MWh facility at the Pothencode substation at ₹ 457,000 per MW. Opera Energy received approval for a 15 MW / 60 MWh project at the Mulleria substation, priced at ₹ 438,000 per MW monthly. Tata Power Renewable Energy landed the deal for a 30 MW / 120 MWh installation at the Areacode substation, also at ₹ 438,000 per MW per month.¹³⁰
- **Aug 1st:** The Philippines Department of Energy (DOE) endorsed a total of 17 power generation projects to the National Grid Corporation of the Philippines (NGCP) in June 2025. The endorsements include 15 renewable energy projects, spanning wind, solar, hydro, and geothermal technologies, as well as two BESS, one of which is integrated with a solar facility. Among the largest endorsed projects was Embrace Nature Power1 Corp.'s 180 MW Agrivoltaics Solar Power Project in General Santos City, which features a 96 MW / 192 MWh BESS.¹³¹

¹²⁶ <https://www.gentari.com/insight/gentari-partners-with-ultratech-to-commission-indias-first-of-its-kind-on-site-hybrid-rtc-renewable-energy-project>

¹²⁷ <https://www.acmesolar.in/assets/pdf/Stock-Exchange-Disclosures/13-08-2025-Intimation-Reg-30-Press-Release-INR-3184-crore-project-funding-for-Hybrid-Urja.pdf>

¹²⁸ <https://www.mepmiddleeast.com/business/contracts/acwa-power-solar-morocco>

¹²⁹ <https://dev.erckerala.org/api/storage/orders/EMAAWFRY1YmU95F3bQMAxYh5Qmeax7mbQKJ75s5q.pdf>

¹³⁰ <https://www.pandwsolar.com/ntpc-green-tata-power-and-opera-energy-win-nhpc-auction-for-500-mwh-battery-storage-in-kerala/>

¹³¹ <https://solarquarter.com/2025/08/01/doe-endorses-17-new-power-projects-to-ngcp-reinforcing-renewable-and-storage-momentum/>

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Open Energy Storage RFPs/RFQs/RFIs

Off-Taker	Description
APTRANSCO	The Transmission Corporation of Andhra Pradesh Limited (APTRANSCO) has issued a tender for establishing 2 GWh BESS across seven substations in the state. The project will be awarded through a tariff-based competitive bidding process. Additionally, the project is eligible for grants under the viability gap funding. According to the tender guidelines, the bidders need to submit an earnest money deposit of Rs 480,000 per MW. Furthermore, the last date of the bid submission is September 29, 2025. ¹³²
EWA	Bahrain's Electricity and Water Authority (EWA) will launch the country's first solar power plant tender for up to 150 MW capacity, with commercial operations targeted for Q3 2027 as part of the National Renewable Energy Plan. ¹³³
BC Hydro	BC Hydro is looking to acquire 5,000 GWh/year of additional clean and renewable energy and expects to award Electricity Purchase Agreements (EPAs) in early 2026. Eligible projects need to generate clean energy, have a capacity larger than 40 MW, be at least 25% owned by the First Nations, and be operational by October 1, 2033. The pre-submission deadline is September 2, 2025, and the deadline to submit a proposal is November 25, 2025. ¹³⁴
CEB	The Ceylon Electricity Board (CEB) has invited international competitive bids for the development of 160 MW / 640 MWh standalone BESS across Sri Lanka. The tender, structured as 16 separate grid-connected projects of 10 MW / 40 MWh AC each, will connect at 33 kV to substations in locations including Kilinochchi, Vavuniya, Polonnaruwa, Galle, Hambantota, and others. Bidders must submit proposals by September 10, 2025. ¹³⁵
CESC	CESC Limited, a power utility based in Kolkata, India, has invited bids for setting up a 40 MW / 80 MWh standalone BESS project. The company issued a Request for Selection (RfS) on July 30, 2025. This project will be located at the New Cossipore Generating Station, situated at 28 Jheel Road, Kolkata. Bids are due by September 18, 2025. ¹³⁶
Colorado Springs Utilities	Colorado Springs Utilities intends to release an RFP to secure 1,250 MW of new renewable energy and storage capacity by 2030. The utility is seeking approximately 525 MW of solar, 100 MW of energy storage, and 625 MW of wind capacity, in addition to 350 MW of natural gas. The target date for integrating these new resources is May 2028. ¹³⁷
DEWA	The Dubai Electricity and Water Authority (DEWA) has revealed a notable expansion of clean energy output at the Mohammed bin Rashid Al Maktoum Solar Park, now producing a total of 3,860 MW through a mix of Solar PV panels and concentrated solar power (CSP) technologies. DEWA has extended an invitation to global developers to join Phase 7, which will offer a capacity of 1,600 MW, with the potential to increase to 2,000 MW. This phase will include PV solar panels and an integrated BESS with a capacity of 1,000 MW / 6,000 MWh. ¹³⁸
DOER	The Massachusetts Department of Energy Resources (DOER) is seeking 1,500 MW of mid-duration storage. Storage sites need between 40 and 1,000 MW of nameplate capacity. Projects will receive Clean Peak credits for their projects. Bids are due September 10, 2025. ¹³⁹
DTE	DTE Electric is seeking between 1,500 and 3,000 MW of firm accredited capacity from clean energy systems and ESS. Proposals must be offered through either a build-to-transfer agreement (BTA), purchase and sale agreement (PSA), or PPA with a planned COD no later than December 31st, 2032. The deadline to submit questions is November 14, 2025, and the proposals are due December 1, 2025. ¹⁴⁰
DVC	The Damodar Valley Corporation (DVC) has announced a tender for new infrastructure to support the evacuation of power from a 228 MW Floating Solar Power Project (FSPV) and a 100 MW / 400 MWh

¹³² <https://renewablewatch.in/2025/08/29/aptransco-issues-tender-for-2-gwh-bess-with-vgf/>

¹³³ <https://x.com/emadghaly/status/1960205586072551537?s=46>

¹³⁴ <https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/corporate/independent-power-producers-calls-for-power/call-for-power/2025-cfp-request-for-proposals.pdf>

¹³⁵ <https://indiarenews.in/index.php/blog/read/sri-lanka-floats-tender-for-160-mw-640-mwh-standalone-battery-energy-storage-systems>

¹³⁶ <https://solarquarter.com/2025/07/31/cesc-invites-bids-for-40-mw-80-mwh-battery-storage-project-at-new-cossipore-in-kolkata/>

¹³⁷ <https://www.bidnetdirect.com/colorado/colorado-springs-utilities>

¹³⁸ <https://www.dewa.gov.ae/en/about-us/media-publications/latest-news/2025/06/dewa-adds-800mw-of-clean-energy-production>

¹³⁹ <https://macleanenergy.com/wp-content/uploads/2025/05/attachment-a-section-83e-draft-request-for-proposals-may-5-2025.pdf>

¹⁴⁰ <https://dtee-irp-2025allsourcerfp.com/>

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Off-Taker	Description
	BESS being developed at Konar. The deadline for submission of pre-bid queries is September 6, 2025. The final date for submission of bids, including online upload and offline submission of hard copies of Envelope-1 documents, is September 18, 2025. ¹⁴¹
El Paso Electric	El Paso Electric Company (EPE) has issued an all-source RFP to secure capacity between 650 MW and 850 MW. EPE may opt to include capacity and/or energy needs for its New Mexico service territory as part of this RFP, and if so, would be seeking to procure renewable energy resources to fulfill New Mexico's Renewable Portfolio Standard (RPS). A notice of intent to bid is due by September 1, 2025, and bids are due by September 29, 2025. ¹⁴²
FPUD	Public Utility District No. 1 of Franklin County (FPUD) has issued an RFP for a BESS Agreement seeking competitive bids for the design, construction, financing, operation, and maintenance of a 25 MW / 100 MWh BESS to be interconnected to FPUD's distribution system at its Railroad 12.47 kV Substation in Pasco, Washington. Bids are due September 18, 2025. ¹⁴³
Guatemala	Guatemala has launched a competitive solicitation process to secure the supply of up to 1.4 GW of new energy capacity as it unveiled bidding terms for the Open Tender Electricity Generation Expansion Plan. The country's power distributor, Empresa Electrica de Guatemala (EEGSA), said this 1.4 GW tender will open the way to new investments in renewable energies and clean technologies. The agency will accept technical bids till October 31, 2025. ¹⁴⁴
IESO	The IESO has launched the LT2 RFP to procure up to 3 TWh/year of new energy supply starting in 2029. Projects should be over 1 MW, and can include solar, wind, hydro, biomass, storage, and natural gas (limited). Winning bids will receive indexed fixed-price contracts. Registration deadlines are September 4, 2025, and the submission deadline is October 16, 2025. ¹⁴⁵
KREDL	Karnataka Renewable Energy Development Ltd (KREDL) has released a tender for the development of a 250 MW solar PV power project along with a 250 MW / 1,100 MWh BESS at Ryapte in Karnataka. The system aims to supply peak power and optimize grid utilization at the Pavagada Solar Park. ¹⁴⁶
Lincoln Electric System	Lincoln Electric System (LES) is soliciting discussions with entities interested in providing LES with firm or deliverable capacity within the Southwest Power Pool to meet LES's own load and reserve requirements for the 2026-2030 period. All offers, capacity amounts, term lengths, and types of participation will be considered. Interested parties can contact the Manager of Energy & Environmental Operations, Dennis Florom, at dflorom@les.com . ¹⁴⁷
MOP	The Indian Ministry of Power (MOP) has introduced a Viability Gap Funding (VGF) program to promote the establishment of BESS throughout India. With the Power Minister's approval, a financial allocation of ₹ 5,400 crore will be drawn from the Power System Development Fund (PSDF). This funding will facilitate the development of 30 GWh of BESS capacity, offering ₹ 18 lakh per MWh as VGF support. The program targets 15 states and NTPC, which will be allocated 25 GWh and 5 GWh, respectively. Interested entities must submit proposals to the CEA within 60 days of the date of guideline issuance. BESS projects will be awarded using Tariff-Based Competitive Bidding (TBCB) under Section 63 of the Electricity Act, 2003. Contracts will be issued on a Build Own Operate (BOO) or Build Own Operate Transfer (BOOT) basis for a period of 12 to 15 years. ¹⁴⁸

¹⁴¹ <https://solarquarter.com/2025/08/21/dvc-floats-tender-to-build-132kv-solar-pooling-station-and-132kv-d-c-lilo-system-at-konar-in-jharkhand-for-228-mw-floating-solar-and-100-mw-400-mwh-bess/>

¹⁴² <https://www.epelectric.com/company/request-for-proposals/2025-all-source-rfp-to-reliably-meet-growing-demand-for-customers>

¹⁴³ <https://www.washingtonbids.com/government-agencies/franklin/franklin-county-pud-1-76033/14322486-battery-energy-storage-system-agreement-rfp.html>

¹⁴⁴ <https://taiyangnews.info/tenders/guatemala-14-gw-energy-tender>

¹⁴⁵ <https://www.ieso.ca/Sector-Participants/Engagement-Initiatives/Engagements/Long-Term-RFP>

¹⁴⁶ <https://www.pv-magazine-india.com/2025/05/28/karnataka-launches-tender-for-250-mw-solar-project-with-250-mw-1100-mwh-battery-energy-storage-system/>

¹⁴⁷ <https://naema.com/lincoln-electric-system-spp-capacity-solicitation/>

¹⁴⁸ <https://energy.economictimes.indiatimes.com/news/power/government-approves-5400-cr-funding-for-30-gwh-battery-storage-to-boost-renewable-energy-infrastructure/121756430>

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Off-Taker	Description
MOTIE	The Ministry of Trade, Industry, and Energy (MOTIE) of South Korea will release a competitive solicitation for battery storage capacity. The capacity will be split between 500 MW of large-scale BESS on the Korean mainland and a 40 MW BESS on Jeju Island. ¹⁴⁹
MSEDCL	The Maharashtra State Electricity Distribution Co (MSEDCL) has launched a multi-gigawatt battery storage tender. The western Indian state government-owned is seeking up to 2,000 MW / 4,000 MWh of BESS in Maharashtra. Eligible projects will be capable of providing two daily cycles of their 2-hour duration battery capacity, entering into a battery energy storage purchase agreement (BESPA) with MSEDCL. The last date for submission of technical and financial bids is 15 September. ¹⁵⁰
New South Wales	The New South Wales government has announced plans to launch a new tender seeking 500 MW of firming capacity, seeking bids from battery energy storage, gas, and VPP. The new tender will be led by ASL and seek 500 MW of firming capacity for the New South Wales grid by 2028. It will focus on projects in Sydney, Newcastle, and Wollongong. ¹⁵¹
NYSERDA	Governor Kathy Hochul announced the launch of New York's first Bulk Energy Storage RFP, intended to procure one GW of bulk energy storage as part of New York's 6 GW Energy Storage Roadmap on July 28. Step One Eligibility Applications are due to NYSERDA by September 4, 2025, by 3:00 p.m. ET. Proposers that receive a Notice of Qualification will have an opportunity to submit a Step Two Bid Proposal, which is solicited in Non-Price and Price Phases. The Non-Price Submission deadline is December 11, 2025, by 3:00 p.m. ET, and the Price Submission deadline is January 29, 2026, by 3:00 p.m. ET. Submission instructions are detailed in ISCRFP25-1. ¹⁵²
NTPC	NTPC Green Energy has issued an EPC EOI to set up 5 MW ground-mounted solar projects with a 4 MW, 3-hour BESS and a floating solar project of up to 20 MW on the Great Nicobar Island. Bids must be submitted by September 8, 2025. ¹⁵³
PacifiCorp	According to the utility company's integrated resource plan, filed with state regulators, PacifiCorp expects to procure about 2,400 MW of solar, 2,270 MW of wind, 1,680 MW of four-hour storage, and 510 MW of 100-hour iron air battery storage through requests for proposals by the end of 2030. ¹⁵⁴
PGE	State-owned power generator and distributor PGE has launched a tender for the construction of a 2-hour, 400 MW BESS project in Poland. It is the second large-scale BESS that the company has progressed recently, both part of huge plans to deploy 10GWh of new energy storage resources bringing its total capacity to 17GWh by 2035. Both are expected to be operational by 2029 and have secured 17-year capacity market (CM) contracts. The tender documents are available here. The deadline for offers is September 16, 2025. ¹⁵⁵
PGE	Portland General Electric's (PGE's) 2025 All-Source RFP is designed to execute on the combined 2023 Clean Energy Plan and Integrated Resource Plan (CEP/IRP) action plan. PGE expects an ongoing incremental energy need of approximately 251 MW every year through 2030. Non-emitting dispatchable resources must have the capability to be dispatched at specified times when called upon by PGE. Examples of these resources include pumped hydro, lithium-ion battery storage, and geothermal resources. Final bids are due September 26, 2025. ¹⁵⁶
Philippines Department of Energy	The Philippines Department of Energy (DOE) has initiated a tender to integrate over 9.4 GW of new renewable energy capacity to enhance the country's clean energy infrastructure. This initiative involves the development of renewable power sources, including solar and wind, with some projects incorporating BESS to ensure reliability and efficiency. The supply contracts for winning projects will have a 20-year duration starting from the commercial operation date. Technical requirements mandate a minimum storage duration of four hours, an ESS inverter ratio of at least 0.2, and a round-trip efficiency of 85% or higher. ¹⁵⁷

¹⁴⁹ <https://www.energy-storage.news/south-korea-government-tenders-central-contracts-for-540mw-3240mwh-bess/>

¹⁵⁰ <https://www.energy-storage.news/maharashtra-to-leverage-indian-union-government-funding-in-4gwh-bess-tender/>

¹⁵¹ <https://www.energy-storage.news/australias-new-south-wales-to-launch-500mw-firming-tender-to-address-grid-reliability-issues/>

¹⁵² <https://www.nysenda.ny.gov/All-Programs/Energy-Storage-Program/Developers-and-Contractors/Bulk-Storage-Incentives>

¹⁵³ <https://www.mercomindia.com/ntpc-green-energy-issues-eoi-for-solar-and-bess-projects-in-nicobar-island>

¹⁵⁴ https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/integrated-resource-plan/2025-irp/2025_IRP_Vol_1.pdf

¹⁵⁵ <https://www.energy-storage.news/poland-pge-launches-tender-for-400mw-800mwh-bess/>

¹⁵⁶ <https://portlandgeneral.com/about/who-we-are/resource-planning/procuring-clean-energy>

¹⁵⁷ <https://www.pv-tech.org/philippines-opens-tender-9-4gw-renewable-energy-storage/>

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Off-Taker	Description
Portugal Ministry of Environmental and Energy	Portugal is set to initiate a competitive bidding process for 750 MVA of battery energy storage prior to January 2026, within a wider € 400M initiative designed to enhance grid stability and avert future power outages. The announcement was delivered by Portugal's Ministry of Environment and Energy. ¹⁵⁸
RERC	The Rajasthan Electricity Regulatory Commission (RERC) has approved tariffs for a 500 MW / 1,000 MWh BESS project proposed by Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL), which will be acquired through a competitive bidding process. Additionally, a green shoe option has been included for an extra 500 MW / 1,000 MWh capacity. This project will be implemented under the Build-Own-Operate (BOO) framework and will receive Viability Gap Funding (VGF) from the central government. ¹⁵⁹
RVUNL	Rajasthan Rajya Vidyut Utpadan Nigam Limited (RVUNL) has announced a Request for Selection (RfS) for a major energy storage project in the state. The plan involves setting up a 500 MW/2,000 MWh Standalone BESS under a Tariff-Based Global Competitive Bidding process. The last date and time for online submission of bid documents is September 23, 2025. ¹⁶⁰
San Diego Community Power	San Diego Community Power is authorized to procure 20.16 MW for its DAC-GT program. The offer must include a new solar photovoltaic, Renewable Portfolio Standard-eligible, FTM generating facility. Optional configurations that include paired battery energy storage resources will also be considered. Hybrid configurations (single CAISO meter systems) are preferred for this solicitation. The response deadline for this solicitation is September 8, 2025. ¹⁶¹
SECI	Solar Energy Corporation of India Limited (SECI) has invited proposals for the Balance of System (BoS) of a large battery energy storage project in Nandiyal, Andhra Pradesh. The Nandiyal project has a planned capacity of 600 MW with 1200 MWh of storage. It will operate as a standalone BESS project to provide firm and reliable support to the grid, particularly during peak hours when renewable power is less available. ¹⁶²
SENI	The Dominican Republic has launched a tender for up to 600 MW of solar and wind capacity, requiring projects to include at least four hours of battery storage to support stability in the National Interconnected Electric System (SENI). The tender terms and bidding schedule will be announced in the months ahead. ¹⁶³
Spanish Ministry	The Spanish Ministry for Ecological Transition launched a tender to award up to 1,259 MW of synchronous power-generating modules and synchronous storage capacity. Applications will be chosen on a first-come, first-served basis. ¹⁶⁴
TCIL	Telecommunications Consultants India Ltd. (TCIL), a Government of India enterprise, has issued an EOI for the selection of a partner to work on the design, manufacture, supply, installation, testing, and commissioning of three micro-grid Solar PV systems and modular battery energy storage at Agalega Islands, Republic of Mauritius. Submission of bids will begin on September 5, 2025, at noon and close on the same day at 5PM. ¹⁶⁵
Western Australia	The Albanese Government is opening two new Capacity Investment Scheme (CIS) tenders aimed at boosting renewable generation and storage capacity. Together, they will deliver 1.6 GW of renewable energy and 2.4 GWh of dispatchable storage, enough to power more than 900,000 households annually and support the peak demand of 550,000 homes for four hours. Bidding for the tenders is open for 10 weeks and will close on November 7, 2025. ¹⁶⁶

¹⁵⁸ <https://www.reuters.com/sustainability/boards-policy-regulation/portugal-invest-466-million-boost-grid-management-battery-storage-after-outage-2025-07-28/>

¹⁵⁹ <https://energy.economictimes.indiatimes.com/news/power/rajasthan-rerc-approves-tariff-for-1000-mwh-battery-energy-storage-system-project/121949470>

¹⁶⁰ <https://solarquarter.com/2025/08/11/rajasthan-invites-bids-for-500-mw-2000-mwh-battery-storage-project-with-vgf-support/>

¹⁶¹ https://sdcommunitypower.org/wp-content/uploads/2025/04/SDCP-DAC-GT-2nd-RFO-Protocol_FINAL.pdf

¹⁶² <https://solarquarter.com/2025/08/21/seci-invites-bids-for-600-mw-1200-mwh-battery-storage-project-in-nandiyal-andhra-pradesh/>

¹⁶³ <https://www.ess-news.com/2025/08/19/dominican-republic-tenders-up-to-600-mw-solar-wind-with-mandatory-storage/>

¹⁶⁴ <https://weadapt.org/organisation/miteco/?tab=about>

¹⁶⁵ <https://solarquarter.com/2025/08/25/telecommunications-consultants-india-invites-bids-for-solar-micro-grid-and-battery-storage-project-in-mauritius-agalega-islands/>

¹⁶⁶ <https://solarquarter.com/2025/08/29/western-australia-launches-4-billion-renewable-energy-tenders-under-federal-capacity-investment-scheme/>

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General News

United States

AESO Unveils New REM Design

Aug 27th: The Alberta Electric System Operator (AESO) in Canada unveiled the final design for the province's Restructured Energy Market (REM). The REM is a modernized framework for Alberta's electricity market that will strengthen reliability, improve affordability, and attract private investment to meet future energy needs. Key design elements include:

- Market Structure Changes: Shifts to a day-ahead market model where generators commit power 24 hours in advance for better reliability. Removed elements include the Day-Ahead Energy Market, Day-Ahead Commitment, and Congestion Avoidance Market to reduce complexity. Introduces Locational Marginal Pricing (LMP) for producers (consumers can opt-in), co-optimization of energy and reserves, and five-minute pricing intervals.
- Price Mechanisms: Energy offer cap starts at \$1,500/MWh, rising to \$2,000/MWh by 2032; energy price cap at \$3,000/MWh. Price floor at \$0/MWh initially, dropping to -\$100/MWh by 2032. New reserve products (e.g., ramping reserves R10/R60) reward dispatchable capabilities.
- Scarcity Pricing and Reliability Tools: A smoothed Operating Reserve Demand Curve (ORDC) sets prices between offer and price caps during scarcity, valuing reliability products. Enhanced ancillary services address ramping needs and forecast errors.
- Market Power Mitigation: Legislation restricts high pricing, monitors economic withholding, and mandates equitable offers if revenues exceed thresholds.
- Transmission and Cost Allocation: Costs assigned on a causation basis; self-sufficient data centers may not connect to the grid. Builds like Southeast and Southwest transmission projects proposed to reduce congestion.
- Environmental Integration: Supports net-zero goals with non-emitting resources (e.g., wind, solar, CCS) and carbon pricing escalating to \$250/t by 2050.¹⁶⁷

New Jersey Announces New 2 GW Energy Storage Target

Aug 25th: On August 22, Governor Phil Murphy enacted two pieces of legislation designed to boost renewable energy production in New Jersey. Bill S4530 instructs the Board of Public Utilities (BPU) to approve an extra 3,000 MW of solar power capacity, while Bill A5267 creates a \$ 1B incentive initiative to deploy 1,000 MW of battery storage within the next five years.

- Phase 1: Transmission-Scale Energy Storage will acquire at least 1,000 MW of large-scale projects linked directly to the primary power grid via competitive procurement.
 - Tranche 1: The initial bidding round seeks to allocate 350-750 MW.
 - Tranche 2: A follow-up bidding round is planned for the first half of 2026 to obtain the balance required to hit the 1,000 MW goal for Phase 1.
- Phase 2: Distributed Energy Storage is slated to begin in 2026. This stage will emphasize incentives for smaller-scale energy storage setups tied to local distribution networks, encompassing grid-tied systems as well as those for homes and businesses. Incentives will include both fixed payments and performance-linked rewards.
- Phase 3: The BPU indicated that a possible Phase 3 could implement performance-based incentives for transmission-scale setups, though this is still under review and has been postponed.

¹⁶⁷ <https://www.globenewswire.com/news-release/2025/08/27/3140289/0/en/Alberta-Takes-Major-Step-Toward-New-Future-Ready-Electricity-Market.html>

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The state has established a webpage “Garden State Energy Storage Program (GSESP) Overview” with full details and training about the program.¹⁶⁸

International

Iron Salt Battery Voltstorage to Close

Aug 29th: German battery startup Voltstorage is shutting down, almost a decade since it launched with big plans to commercialize its iron salt batteries. Since its inception, the company has raised a total of €66m, including a €30m loan from the European Investment Bank. Other investors include Bayern Kapital, Korys, and American power company Cummins. The company entered insolvency in July and has decided to wind down operations to cover company obligations and avoid bankruptcy.¹⁶⁹

Lithuania to Deploy 5X Energy Storage Than Planned

Aug 27th: Lithuania has significantly expanded its energy storage capacity goals after its latest procurement round, with plans to deploy 1.7 GW / 4 GWh of energy storage, which is five times its original 800 MWh target. The first call for applications in February 2025 received overwhelming interest, nearly doubling the allocated budget. In response to the strong interest and exceeding the initial budget, the Ministry of Energy allocated an additional € 37.3M in funding.¹⁷⁰

Argentina Received Record Storage Bids

Aug 26th: Argentina's first large-scale battery storage tender, AlmaGBA, received bids totaling 1,347 MW, far exceeding its 500 MW target and demonstrating significant industry interest driven by highly competitive pricing and the need for grid reinforcement in the Buenos Aires Metropolitan Area (AMBA). Fifteen companies submitted 27 proposals for the tender. Bids are being evaluated, with awards expected to be announced soon.¹⁷¹

UK Storage Applications Double in Q2 2025

Aug 26th: In Q2 2025, the UK greenlighted a record-breaking 16.1 GW of new renewable energy initiatives, almost three times the amount from the prior year, highlighting swift advancements toward its 2030 clean energy objectives. This spike in approvals stemmed from changes that expedited planning for solar and wind developments, alongside a notable rise in battery storage proposals (8.4 GW) to incorporate intermittent renewables better. However, obstacles such as grid connectivity delays and regional planning hurdles remain, underscoring the need for ongoing infrastructure funding to achieve ambitions.¹⁷²

Key Highlights from Q2 2025:

- Altogether, 16.1 GW of renewable capacity was sanctioned through 323 projects, marking a 195% rise compared to the previous year.
- More than 100 battery storage proposals were filed by developers, amounting to 8.4 GW, twice the figure from the corresponding quarter last year.

ARENA Announces Battery Breakthrough Initiative

Aug 25th: Australian businesses can now apply for the AUD 500M Battery Breakthrough Initiative (BBI), a program offering capital grants and production incentives to expand domestic battery manufacturing capacity for products like stationary storage and battery materials. Delivered by the Australian Renewable Energy Agency (ARENA) in partnership with the Department of Industry, Science and Resources, this initiative aims to create

¹⁶⁸ <https://njcelc.com/garden-state-energy-storage-program-gsesp-overview/>

¹⁶⁹ <https://www.impactloop.com/artikel/german-iron-salt-battery-startup-voltstorage-is-shutting-down>

¹⁷⁰ <http://en.cnesa.org/latest-news/2025/8/27/lithuania-expands-energy-storage-plans-to-17-gw4-gwh>

¹⁷¹ <https://battlink.com/news/argentina-battery-energy-storage-systems-tender-2025/>

¹⁷² <https://strategicenergy.eu/record-boost-16-1-gw-of-renewables-approved-in-a-single-quarter-in-the-united-kingdom/>

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jobs, improve supply chain resilience, and foster innovation in the battery sector. BBI funding will focus on projects that involve active materials, including the production of cathode materials, anode materials, and electrolytes used in electrochemical batteries. The funding will also support the manufacture of battery cells and components, as well as projects related to battery pack assembly.¹⁷³

Aussie Battery Maker Energy Renaissance Enters Administration

Aug 13th: Lithium-ion battery maker Energy Renaissance has gone into administration in Australia after a key investor pulled out of a planned funding round, leaving the company in a cash crisis. Energy Renaissance recently celebrated its 10-year anniversary in June and had expressed its ambition to scale its Tomago factory to a gigawatt scale to create 5 GWh of energy storage annually, but acknowledged that low-cost alternatives stemming from foreign suppliers were to blame.¹⁷⁴

Bulgaria Achieves 1,300 MWh BESS Online with More to Come

Aug 12th: Angelin Tsachev, the Chief Executive of Bulgaria's Electricity System Operator EAD (ESO), announced that Bulgaria has 500 MW/1,300 MWh of batteries online and could reach 7,000–10,000 MWh within 12–18 months. Tsachev announced the figures on a recent interview with Bulgarian National Radio (BNR). These storage systems are set to become a significant factor in the electricity market, allowing the energy generated by Bulgaria's 5,500 MW of solar power plants to be stored and used during peak hours, preventing grid overloads. ESO has received applications for grid connection of batteries totaling 12,000 MW with a storage capacity of 34,000 MWh, and preliminary connection contracts have already been signed for 7,500 MW with a capacity of 23,000 MWh.¹⁷⁵

Indonesian Government Planning 80 Solar Plus Storage Projects

Aug 11th: The Indonesian Government announced the "100 GW Solar Power Plant Plan for Village Cooperatives." The plan aims to achieve energy self-sufficiency by deploying 80 GW of solar photovoltaic (PV) arrays and 320 GWh of BESS. The program will implement 1 MW solar arrays with 4 MWh of BESS across Indonesia's villages to provide distributed renewable energy, potentially making it Southeast Asia's largest rural electrification initiative. The initiative is still under development, with Indonesia's Ministry of Energy and Mineral Resources.¹⁷⁶

China Tops 100 GW of Lithium-ion Battery Installs

Aug 1st: The China Energy Storage Alliance (CNESA) recently published a report (June 2025) showing that China's total energy storage capacity reached 164.3 GW, with new energy storage (primarily lithium-ion batteries) exceeding 100 GW. Key takeaways from the report include:¹⁷⁷

- Total Capacity: 164.3 GW.
- New Energy Storage (primarily batteries): Surpassed 100 GW, reaching 101.3 GW.
- Shift in Storage Mix: Lithium-ion batteries account for 59.9% of the fleet, while pumped hydro has decreased to 37.4%.
- Growth: Total capacity increased by 59% year-on-year, with cumulative new energy storage up 110%.

¹⁷³ <https://www.minister.industry.gov.au/ministers/timayres/media-releases/500-million-battery-breakthrough-initiative-opens-australian-battery-manufacturers>

¹⁷⁴ <https://esdnews.com.au/australias-first-lithium-battery-maker-in-administration/>

¹⁷⁵ <https://www.energynomics.ro/en/bulgaria-accelerates-solar-energy-storage-as-battery-capacity-expands/>

¹⁷⁶ <https://iesr.or.id/en/100-gw-solar-power-plant-for-indonesias-energy-self-sufficiency-and-economic-revival/>

¹⁷⁷ <http://en.cnesa.org/latest-news/2025/8/19/cnesa-major-release-2303gw5612gwh-of-new-energy-storage-added-in-h1-2025-cumulative-installed-capacity-surpasses-100gw-for-the-first-time>

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OBBBA Changes to the ITC

On July 4, 2025, President Donald Trump signed H.R. 1, titled the One Big Beautiful Bill Act (OBBBA). The Act significantly modifies specific energy tax provisions in the Inflation Reduction Act (IRA) of 2022, and the changes are technology-specific. Major changes to energy storage technologies include:

1. **Phase Out of Energy Storage Tax Credits Unchanged.**

While the bill phases out tax credits (ITC and PTC) for solar and wind earlier, energy storage tax credits were unchanged. The bonus adders were also not changed and follow the original schedule.

Start of Construction Date	Credit Percentage Available
Now – 12/31/33	100% (full credit)
2034	75%
2035	50%
After 12/31/25	0% (expired)

Tax Credit	Qualification
Base Tax Credit	<ul style="list-style-type: none"> 30% if the prevailing wage and apprenticeship (PWA) requirements are met (only 6% otherwise).
Domestic Content	<ul style="list-style-type: none"> +10% additional points if: <ul style="list-style-type: none"> Start of Construction Before 2025 - Minimum 40% of the cost of manufactured products is domestic Start of Construction 1/1/25-12/31/25 – Minimum 45% of the cost of manufactured products is domestic Start of Construction 1/1/26-12/31/26 – Minimum 50% of the cost of manufactured products is domestic Start of Construction 1/1/27-12/31/27 – Minimum 55% of the cost of manufactured products is domestic All steel and iron construction products must be produced in the U.S. Taxpayers must certify compliance via a statement attached to IRS Form 3468 (for ITC) or Form 8835 (for related production tax credits), filed with their annual tax return. Exceptions apply if using domestic materials would increase costs by more than 25% or if sufficient U.S. products are unavailable; these require attestation and record-keeping. IRS further clarifications.¹⁷⁸ The Domestic Content qualification can be done in one of two ways: <ul style="list-style-type: none"> Bill of Materials (BOM) Methodology: $\text{Domestic Cost Percentage} = \left(\frac{\text{Domestic Manufactured Products and Components Cost}}{\text{Total Manufactured Products Cost}} \right) \times 100$ Safe Harbor Methodology:

¹⁷⁸ <https://www.irs.gov/credits-deductions/domestic-content-bonus-credit>

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	<table><tr><th>APC</th><th>MPC</th><th>Grid-scale BESS</th><th>Distributed BESS</th></tr><tr><td rowspan="5">Battery Pack</td><td>Cells</td><td>38.0</td><td>18.1</td></tr><tr><td>Packaging</td><td>3.3</td><td>30.1</td></tr><tr><td>Thermal Management System</td><td>4.9</td><td>9.0</td></tr><tr><td>Battery Management System</td><td>5.2</td><td>9.0</td></tr><tr><td>Production</td><td>21.1⁸</td><td>27.3⁸</td></tr><tr><td rowspan="5">Inverter</td><td>Printed Circuit Board Assemblies</td><td>1.7</td><td>3.8</td></tr><tr><td>Electrical Parts⁹</td><td>0.6</td><td>0.4</td></tr><tr><td>Climate Control</td><td>0.4</td><td>-</td></tr><tr><td>Enclosure</td><td>0.6</td><td>0.4</td></tr><tr><td>Production</td><td>1.9⁸</td><td>1.9⁸</td></tr><tr><td rowspan="2">Battery Container/Housing</td><td>Battery Racks and Metal Enclosure</td><td>15.8</td><td>-</td></tr><tr><td>Production</td><td>6.5⁸</td><td>-</td></tr><tr><td>Steel or iron rebar in foundation</td><td>-</td><td>Steel/Iron Product</td><td>-</td></tr><tr><td>Total</td><td>-</td><td>100</td><td>100</td></tr></table>	APC	MPC	Grid-scale BESS	Distributed BESS	Battery Pack	Cells	38.0	18.1	Packaging	3.3	30.1	Thermal Management System	4.9	9.0	Battery Management System	5.2	9.0	Production	21.1 ⁸	27.3 ⁸	Inverter	Printed Circuit Board Assemblies	1.7	3.8	Electrical Parts ⁹	0.6	0.4	Climate Control	0.4	-	Enclosure	0.6	0.4	Production	1.9 ⁸	1.9 ⁸	Battery Container/Housing	Battery Racks and Metal Enclosure	15.8	-	Production	6.5 ⁸	-	Steel or iron rebar in foundation	-	Steel/Iron Product	-	Total	-	100	100
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Energy Community Bonis	<p>+10% additional points if the project must be located in one of three defined energy community categories:</p> <ul style="list-style-type: none">• Brownfield sites: Contaminated or potentially contaminated land, as defined under environmental laws (e.g., CERCLA sites).• Statistical areas: Metropolitan or non-metropolitan areas with at least 0.17% direct employment or 25% local tax revenues from fossil fuel extraction/processing, plus unemployment at or above the national average for the prior year.• Coal closure tracts: Census tracts (or adjoining tracts) where a coal mine closed after 1999 or a coal-fired power plant closed after 2009.• Eligibility can be determined using IRS mapping tools or DOE's Energy Community Tax Credit Bonus Mapping Tool.¹⁷⁹• No separate application is required; taxpayers self-certify on their tax return.• IRS further clarifications.¹⁸⁰• The maps change periodically.¹⁸¹																																																			
Low-Income Communities Bonus	<p>Additional points if the project (<5 MW only) is located in a low-income location or tribal land.</p> <ul style="list-style-type: none">• +10% Low-Income Community - Located in areas defined by the New Markets Tax Credit (poverty rate ≥20% or median income ≤80% of area median) or specific persistent poverty counties.• +10% Indian Land - Located on federally recognized Indian land.• 20% Low-Income Residential Building - Part of affordable housing (e.g., LIHTC or HUD programs) where energy savings benefit residents financially.• 20% Low-Income Economic Benefit - At least 50% of financial benefits (e.g., bill savings) go to households with income <200% of poverty line or <80% of area median income.• Credit available via annual capacity allocation• Requires application via IRS/DOE portal• IRS further clarifications¹⁸²																																																			

¹⁷⁹ <https://arcgis.netl.doe.gov/portal/apps/experiencebuilder/experience/?id=a2ce47d4721a477a8701bd0e08495e1d>

¹⁸⁰ <https://www.irs.gov/credits-deductions/frequently-asked-questions-for-energy-communities#general>

¹⁸¹ Projects that may have qualified in a previous year, may no longer qualify due to map changes.

¹⁸² <https://www.irs.gov/credits-deductions/clean-electricity-low-income-communities-bonus-credit-amount-program>

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2. **Breaks the Biden-era Definition of Foreign Entity of Concern (FEOC) into Two Categories.**

- **Specified Foreign Entity (SFE):**
 - Any company owned more than 50% by the Chinese, Russian, North Korean, or Iranian government, by a citizen or national of one of the four countries (but not if the person is a US citizen, US national, or green card holder), or by a company organized or having its principal place of business in one of the four countries,
 - CATL, Gotion, BYD, EVE Energy Company, Hithium Energy Storage Technology,
 - Companies on the Office of Foreign Assets Control (OFAC) list¹⁸³
 - Companies that make products that benefit from Uyghur forced labor in Xinjiang in western China.
 - Note: Not all Chinese suppliers are FEOC.
- **Foreign-Influenced Entity:**
 - A foreign entity that has "direct authority" to appoint a board member or an executive-level officer, including the president, CEO, COO, CFO, general counsel, or a senior vice president.
 - A SFE entity owns at least 25% of the taxpayer, or if two or more such entities own at least 40% or hold at least 15% of the taxpayer's outstanding debt. The debt holders are determined when the debt is issued initially.
 - An entity that, during the previous taxable year, made a payment to an SFE pursuant to a contract, agreement, or other arrangement that entitles the SFE (or a related entity) to exercise "effective control."

3. **FEOCs Cannot Claim or Sell Tax Credits.**

- Starting July 5, 2025, SFE or FIE cannot claim or sell (transfer) tax credits. The taxpayer-level restrictions will not apply to many publicly traded companies and their subsidiaries that are 80% or more owned.¹⁸⁴

4. **No Tax Credits if Material Assistance Cost Ratio (MACR) From FEOC Exceeds Certain Thresholds.**

- For Energy Storage projects, with start of construction in 2026, the project cannot exceed 55% manufactured products from FEOC (Example: 45% can be FEOC and 55% can be from non-FEOC).
- MACR calculation can be done in one of two ways:
 - MACR Formula:

$$\text{MACR} = \left(\frac{\text{Total Cost of All Manufactured Products} - \text{Total Cost of FEOC Manufactured Products}}{\text{Total Cost of All Manufactured Products}} \right) \times 100$$
 - The IRS is supposed to publish a Safe Harbor Methodology in late 2026 and said the weights from the domestic content safe harbor table can be used in the interim.
- MACR thresholds are technology-specific and ratchet up per year.

Start of Construction Date	Qualified Facilities	Solar Components MACR	Energy Storage MACR	Wind Components	Inverters
Before 2025	Not Applicable	Not Applicable	Not Applicable		
2025	Not Applicable	Not Applicable	Not Applicable		
2026	40% Non-PFE / 60% or less from PFE	50% Non-PFE / 50% or less from PFE	55% Non-PFE / 45% or less from PFE	85% Non-PFE / 15% or less from PFE	50% Non-PFE / 50% or less from PFE

¹⁸³ <https://sanctionssearch.ofac.treas.gov/>

¹⁸⁴ Publicly traded companies could be restricted by the contract payment rules. Publicly traded companies also lose their eligibility if an SFE has the authority to appoint a board member or executive officer.

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2027	45% Non-PFE / 55% or less from PFE	60% Non-PFE / 40% or less from PFE	60% Non-PFE / 40% or less from PFE	90% Non-PFE / 10% or less from PFE	55% Non-PFE / 45% or less from PFE
2028	50% Non-PFE / 50% or less from PFE	70% Non-PFE / 30% or less from PFE	65% Non-PFE / 35% or less from PFE	90% Non-PFE / 10% or less from PFE	60% Non-PFE / 40% or less from PFE
2029	55% Non-PFE / 45% or less from PFE	80% Non-PFE / 20% or less from PFE	70% from Non-PFE / 30% or less from PFE	90% Non-PFE / 10% or less from PFE	65% Non-PFE / 35% or less from PFE
2030	60% Non-PFE / 40% or less from PFE	85% Non-PFE / 15% or less from PFE	75% Non-PFE / 25% or less from PFE	90% Non-PFE / 10% or less from PFE	70% Non-PFE / 30% or less from PFE
...
2034	60% Non-PFE / 40% or less from PFE	85% Non-PFE / 15% or less from PFE	75% Non-PFE / 25% or less from PFE	90% Non-PFE / 10% or less from PFE	70% Non-PFE / 30% or less from PFE
2035	60% Non-PFE / 40% or less from PFE	85% Non-PFE / 15% or less from PFE	75% Non-PFE / 25% or less from PFE	90% Non-PFE / 10% or less from PFE	70% Non-PFE / 30% or less from PFE
After 2035	60% Non-PFE / 40% or less from PFE	85% Non-PFE / 15% or less from PFE	75% Non-PFE / 25% or less from PFE	90% Non-PFE / 10% or less from PFE	70% Non-PFE / 30% or less from PFE

4. **No Tax Credits if FEOC Has Effective Control.**

- “Effective control” means:
 - the unrestricted right of a contractual counterparty to
 - determine the quantity or timing of production of an eligible component produced by the taxpayer,
 - determine the amount or timing of activities related to electricity production at a qualified facility of the taxpayer or the storage of electrical energy in the taxpayer’s energy-storage technology,
 - determine which entity may purchase or use the output of a production unit that produces eligible components,
 - determine which entity may purchase or use the output of a qualified facility of the taxpayer,
 - restrict access to data critical to production or storage of energy (or restrict site access) for personnel of the taxpayer, or
 - exclusively maintain, repair, or operate plant or equipment necessary for the taxpayer’s production of eligible components or electricity.

5. **No Tax Credits if There Are Significant Payments to FEOC.**

- The taxpayer is disqualified from receiving the relevant credits if it made a payment in the previous taxable year to a specified foreign entity in compliance with a contract, agreement, or other arrangement which allows the specified foreign entity to exercise effective control over a qualified facility or energy storage technology (in the case of 45Y or 48E) or production of an applicable component or the extraction, processing, or recycling of any applicable critical mineral (in the case of 45X).
- If any of the payments are made within 10 years after the facility is placed into service, the taxpayer would be forced to pay back the entire value of the previously claimed tax credit (applicable to 48E).

6. **No Tax Credits if Licensing Agreements Enable Control.**

- No tax credits are allowable if:

- A contractual right is retained by the counterparty (i) to specify or direct one or more sources of components, subcomponents, or applicable critical minerals utilized in a qualified facility or energy storage technology or in the production of an eligible component; (ii) to direct operation of a qualified facility, energy-storage technology, or production unit that produces an eligible component; (iii) to limit the taxpayer's use of intellectual property related to a qualified facility, energy storage technology, or eligible component production; (iv) to receive royalties (or payments under related agreements) under the licensing or similar agreement beyond the 10th year of the agreement (including extensions or modifications); or (v) to direct or otherwise require the taxpayer to agree to provide services longer than two years (including extensions or modifications);
- The arrangement does not provide the licensee with all technical data, information, and know-how necessary to enable the licensee to produce the products subject to the arrangement without further involvement from the counterparty or another FEOC; or
- The arrangement is entered into (or modified) after the date of the Act's enactment (July 4, 2025).

7. Permanent Bonus Depreciation.

- 100% bonus depreciation is now permanent for eligible property placed in service beginning in the first taxable year ending after January 19, 2025. This change means taxpayers may immediately deduct the cost of qualifying property placed in service on or after January 20, 2025.
- For taxable year 2026, taxpayers can elect out of bonus depreciation and elect into a 40% bonus (or 60% for property with a longer production period) or otherwise use the applicable MACRS or straight-line depreciation methods.

BESS Supply Chain Dynamics

The OBBA 2025 appended BESS supply chains by expanding the purview of Foreign Entities of Concern (FEOC) and its impact on ITC eligibility for BESS projects. Suppliers had been preparing for increased domestic content requirements since IRA 2022. Now, with the effects of increased tariffs and FEOC classifications, the market has responded with the following four (4) major supply options:

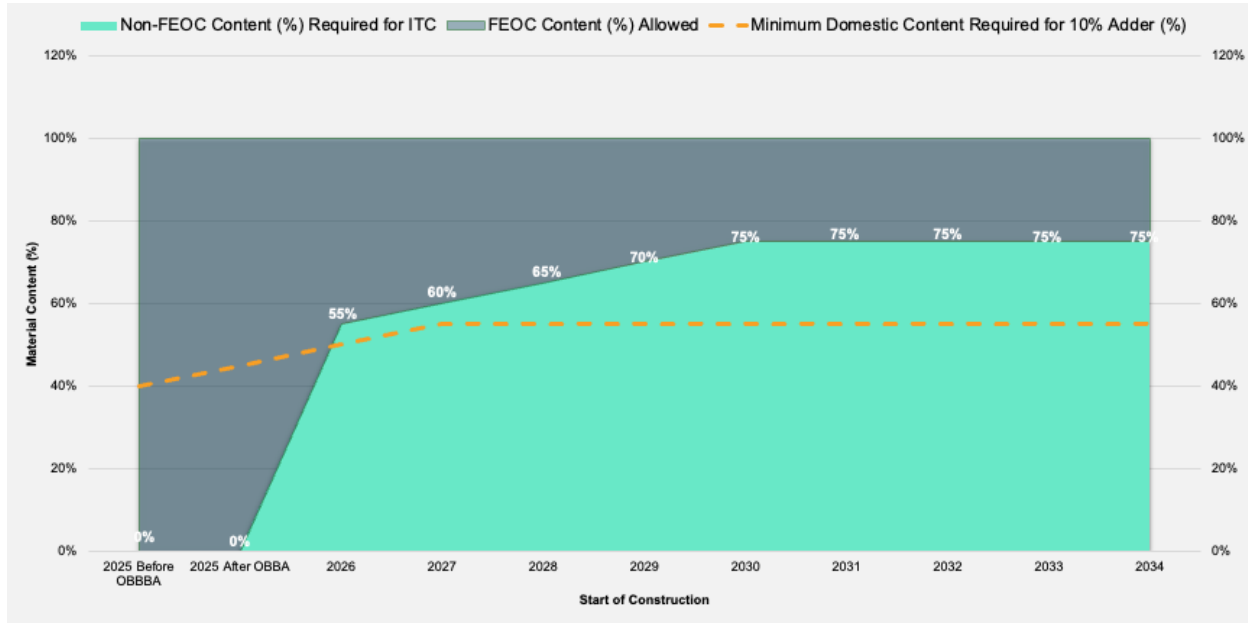
Energy Storage Supplier Categories

China Supply Chain	Vendors, e.g., BYD and CATL, leverage economies of scale and existing production facilities to offer the lowest cost Tier 1 equipment for utility-scale projects. Imports incur high US tariffs on China, but the underlying equipment cost has declined by almost 30% since Q1 2024 . Companies may or may not be considered as FEOC, and project owners risk losing the ITC. Note: Not all Chinese suppliers are FEOC.
Southeast Asia Supply Chain	Vendors in this category may be Chinese or non-Chinese companies manufacturing and shipping from Southeast Asian countries to avoid the high US import tariffs on China. Equipment costs with shipping and tariffs for US delivery are usually 10% - 15% higher than their Chinese counterparts . Companies may still be considered FEOC under the Material Assistance guidance or because of their ownership. Most companies in this category have, or are planning to restructure, to avoid FEOC classification.
IRS Domestic Supply Chain	"IRS Domestic" refers to the supplier's equipment ratio (domestic vs. non-domestic) meeting the requirements to enable the additional 10% domestic content adder. Vendors in this category are usually like the companies with Southeast Asia supply, with just one exception, i.e., the flexibility to blend just enough US-manufactured parts to qualify for the bonus ITC for domestic content. Companies in these categories, just like the Southeast Asia category, may be considered FEOC based on their ownership. Equipment costs are typically 50% higher than those in the China supply chain . Depending on the price disparity, the domestic content adder may not be worth the premium in cost.
Domestic Supply Chain	Domestic supply chains can typically claim over 95% of their equipment as manufactured in the US. The companies themselves may be US or non-US companies and may still be considered FEOC. For example, a company on the Prohibited Foreign Entity (PFE) list with a domestic manufacturing facility in the US may be classified as FEOC. For companies with low exposure to FEOC classification, the equipment cost more than 100% higher than the China supply chain (even more on smaller projects) .

Procurement Considerations

Developers have a short window to establish the Start of Construction in 2025, and a successful 2025 Safe Harbor provides the best choices to manage equipment costs. For projects without this option, the non-FEOC minimum content requirement increases over time. Even after managing FEOC content, the projects will need to avoid all Material Assistance from FEOC companies for services and intellectual property needed to operate the projects.

FEOC / Non-FEOC Layering Requirements to Qualify for ITC



Summary ITC Qualification Requirements for Energy Storage

Start of Construction Date	Credit Percentage Available for Energy Storage	Optional Domestic Content (+10%) Requirements	Tariff Considerations	Material Assistance from FEOC Limits for Energy Storage
Before 2025	100% (full credit)	40% Manufactured Products	Country-Specific Tariffs	Not Applicable
2025	100% (full credit)	45% Manufactured Products	Country-Specific Tariffs	Not Applicable
2026	100% (full credit)	50% Manufactured Products	Country-Specific Tariffs	55% Non-FEOC / 45% or less from FEOC
2027	100% (full credit)	55% Manufactured Products	Country-Specific Tariffs	60% Non-FEOC / 40% or less from FEOC
2028	100% (full credit)	55% Manufactured Products	Country-Specific Tariffs	60% Non-FEOC / 40% or less from FEOC
2029	100% (full credit)	55% Manufactured Products	Country-Specific Tariffs	65% Non-FEOC / 35% or less from FEOC
2030	100% (full credit)	55% Manufactured Products	Country-Specific Tariffs	70% Non-FEOC / 30% or less from FEOC
2034	75%	55% Manufactured Products	Country-Specific Tariffs	75% Non-FEOC / 25% or less from FEOC
2035	50%	55% Manufactured Products	Country-Specific Tariffs	75% Non-FEOC / 25% or less from FEOC
After 2035	0% (expired)	55% Manufactured Products	Country-Specific Tariffs	75% Non-FEOC / 25% or less from FEOC

Note: Not all Chinese suppliers are FEOC. Low-priced, bankable, non-FEOC suppliers already exist in the marketplace. The OBBBA did not change the energy storage ITC phase-out schedule (but did for renewables).

If battery costs continue to decline at their current rate, other equipment like PCS and Plant Controller become a more significant part of the bill of materials. US-manufactured PCS are currently 20% of the cost for a 4-hour BESS, where the battery containers are from China. For companies looking to ramp up slowly on non-FEOC content, PCS and controls provide an easy avenue.

Fractal helps buyers understand procurement options through accurate cost analysis, procurement documentation, and contract support. Contact us for a more detailed conversation about our price observations and market options.

Data Center / Energy Storage News

United States

- *Aug 25th*: Zenith Volts Corp. (ZVC), a leader in innovative energy infrastructure, announces that the Chaves County Commission has granted county approval for a state-of-the-art 300-acre data center project located 20 miles south of Roswell, New Mexico. Designed to support 1.25 GW or more of power capacity with expandable land resources, this facility will deliver cutting-edge, reliable infrastructure for AI, cloud computing, and high-performance workloads, with a target to be fully operational by November 2027. The approved 8,500-acre site will integrate advanced power solutions, including on-site solar, natural gas generators for dependable backup, modular solar-thermal hybrid systems for 24/7 thermal storage, a 250-acre BESS, and geothermal cooling for optimal efficiency. The project's expandable design ensures scalability to meet the growing demands of technology innovators, addressing national power shortages with off-grid, government-aligned energy solutions.¹⁸⁵
- *Aug 21st*: Caterpillar Inc. and Hunt Energy Company, L.P. (Hunt Energy) announced a long-term strategic collaboration agreement to deliver power solutions for data centers. The first project is expected to launch in Texas, marking the start of a multi-year initiative to deliver up to 1GW of power generation capacity for data centers across North America, laying the foundation for future global deployment.¹⁸⁶

International

- *Aug 25th*: Malaysian clean energy provider Gentari and engineering and construction firm Gamuda are collaborating to build 1.5 GW of solar power and BESS aimed at energizing the nation's expanding hyperscale data center industry. The initiative features solar photovoltaic facilities combined with BESS and will be executed through Malaysia's Corporate Renewable Energy Supply Scheme (CRESS). This added capacity is designed to meet the increasing energy demands of hyperscale data centers—vital infrastructure for cloud computing, artificial intelligence (AI), and digital services—that are projected to require over 5 GW of continuous power by 2035.¹⁸⁷

¹⁸⁵ <https://www.prnewswire.com/news-releases/zenith-volts-corp-secures-county-approval-for-scalable-data-center-20-miles-south-of-roswell-nm-targeting-operation-by-november-2027-302537746.html>

¹⁸⁶ <https://www.prnewswire.com/news-releases/caterpillar-and-hunt-energy-company-lp-sign-long-term-strategic-agreement-to-deliver-power-solutions-for-data-centers-302535794.html>

¹⁸⁷ <https://www.gentari.com/insight/gentari-and-gamuda-collaborate-on-solar-energy-project-to-power-strategic-hyperscale-data-centres>

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Hydrogen News

United States

Hyroad Energy Acquires Nikola's Hydrogen Truck Assets at Bankruptcy Auction

Aug 11th: Nikola's hydrogen assets, including 113 Class 8 fuel-cell trucks, spare parts, software, and IP, have been acquired at auction by Texas-based Hyroad Energy, a "trucking-as-a-service" startup. Hyroad's model leases trucks and provides refueling infrastructure on a pay-per-mile basis, rather than direct vehicle sales. Several former Nikola executives have already joined Hyroad, including VPs for sales, fueling operations, and energy supply. CEO Dmitry Serov, previously with Vitol, said the acquisition provides "immediate capacity" to deploy proven hydrogen fuel-cell technology. Hyroad plans to roll out the trucks in California, one of the few active markets for fuel-cell vehicles in the U.S. Nikola's Arizona factory and BEV assets were separately acquired by Lucid, which has no plans to pursue hydrogen.¹⁸⁸

ExxonMobil's \$10B Baytown Blue Hydrogen Project at Risk Amid Subsidy Cuts, Weak Demand

Aug 4th: ExxonMobil has warned of "mixed progress" on its flagship Baytown blue hydrogen and ammonia project in Texas, planned as the world's largest with output of ~2,400 tons/day of H₂ and 1 million tons/year of ammonia. CEO Darren Woods said final investment will hinge on securing sufficient offtakers and confidence in long-term market demand. A key challenge is the early termination of the US 45V hydrogen production tax credit, now limited to projects starting construction before 2028 rather than 2033. While Baytown could qualify, ExxonMobil says the shortened timeline and reliance on the less lucrative 45Q CCS credit (\$0.75/kg H₂) may undermine economics. Woods cautioned that unless costs approach parity with grey hydrogen and a market emerges beyond subsidies, the project "may slip versus the original timing."¹⁸⁹

International

Authorities Approve 1.8 GW Green Hydrogen-to-Methanol Project in Inner Mongolia

Aug 28th: Local officials have approved a \$1.3B (9bn yuan) wind- and solar-powered project in Tongliao, Inner Mongolia, that will use 1.8 GW of electrolyzers to produce 1.1 million tons of green methanol annually. Developed by Shandong Longma Holding Group's subsidiary Junzhan Energy Technology, the facility will be built in two phases, each producing 550,000 tons of methanol per year.¹⁹⁰ Construction is scheduled to begin in May 2026, with completion targeted for April 2030. The project would be China's third-largest green hydrogen facility after Envision's 2.5 GW Chifeng green ammonia project and CEIC's recently approved 2.2GW green ammonia project. Junzhan Energy will finance the project with 1.8bn yuan in equity and 7.2bn yuan in bank loans.¹⁹¹

SCC Infrastructure Wins Second Contract in India's First Green Ammonia Auction

Aug 28th: Gujarat-based SCC Infrastructure has secured its second win in India's inaugural green hydrogen-to-ammonia tender, agreeing to supply Mangalore Chemicals & Fertilizers Limited in Karnataka with 15,000 tons of ammonia annually for ten years at 57.65 rupees/kg (\$0.66), equivalent to ~\$657/ton. Earlier in the auction, SCC won the bid to supply 70,000 tons per year to Madhya Bharat Agro Products Limited in Maharashtra at 53.05 rupees/kg. SCC is now the second developer, after ACME, to win multiple sites. Bid prices so far range

¹⁸⁸ <https://www.hydrogeninsight.com/transport/bankrupt-hydrogen-truck-firm-nikolas-h2-assets-bought-by-trucking-as-a-service-firm-at-auction/2-1-1855901>

¹⁸⁹ <https://www.hydrogeninsight.com/production/world-s-largest-blue-hydrogen-project-at-risk-as-exxonmobil-admits-concerns-over-subsidies-and-future-market-demand/2-1-1853153>

¹⁹⁰ <https://www.hydrogeninsight.com/production/third-largest-in-china-authorities-greenlight-1-8gw-green-hydrogen-to-methanol-project-in-inner-mongolia/2-1-1863812>

¹⁹¹ <https://www.hydrogeninsight.com/production/third-largest-in-china-authorities-greenlight-1-8gw-green-hydrogen-to-methanol-project-in-inner-mongolia/2-1-1863812>

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between 49.75–64.74 rupees/kg (\$568–739/ton), significantly below India's grey ammonia benchmark of \$515/ton cited by SECI. The winner of the final tendered site is expected by month's end.¹⁹²

Thyssenkrupp Nucera Tapped to Supply 1.4GW of Electrolysers for Australian Green Iron Project

Aug 28th: Progressive Green Solutions (PGS) has selected Thyssenkrupp Nucera as the preferred electrolyser supplier for its planned Mid-West Green Iron project near Geraldton, Australia. The 1.4 GW facility would produce 7 million tons of green iron pellets annually, half of which will be processed into 2.5 million tons of hot briquetted iron (HBI). Exports are targeted to begin in 2029, scaling to 30 million tons of pellets and 10 million tons of HBI by 2032. The project remains in early planning, with no material impact on Nucera's financials expected before FY 2026/27. While Nucera has recently fulfilled large orders for projects such as Neom (2.2 GW), H2 Green Steel's Stegra plant (740 MW), and Holland Hydrogen 1 (200 MW), it has faced challenges replenishing its pipeline. Australia is seen as a potential hub for low-cost green hydrogen, but large-scale projects have struggled to advance amid economic and feedstock challenges.¹⁹³

Stegra Installs First 200 MW of Electrolysers at Boden Green Steel Plant

Aug 27th: Swedish green steel developer Stegra has installed the first 200 MW of its planned 740 MW electrolyzer facility at its flagship direct-reduced iron (DRI) and steel mill in Boden. Ten 20 MW modules from Thyssenkrupp Nucera have been put in place, with the full 37-module buildout expected by March 2026. Initial steel production is due to start next year, but Stegra confirmed that green hydrogen-based DRI will not be used at first. The company plans to begin operations using scrap steel in its two electric arc furnaces, before gradually ramping up hydrogen and iron operations; potentially as late as 2026. At full capacity, the 740 MW hydrogen plant would be Europe's largest, far ahead of RWE's 300 MW GET H2 Nukleus, currently under construction. Stegra has pre-sold around 50% of its 2.5 million tons annual steel output on seven-year contracts at a 20–30% premium to global benchmarks, with plans to double capacity to 5 million tons.¹⁹⁴

UK Completes First Hydrogen Trial in Aluminum Recycling

Aug 27th: Novelis has completed the UK's first industrial trial switching from natural gas to hydrogen in aluminum recycling. At its Latchford facility in northern England, the company tested burners using blends from 30% H₂ up to 100% H₂, successfully melting and processing several hundred tons of scrap aluminum into sheet ingots without compromising product quality. The £4.6M (\$ 6.2M) government-backed trial demonstrated the feasibility of dual-fuel burners for operational flexibility. However, scaling hydrogen use at Latchford will depend on large-scale supply, either through on-site electrolysis or connection to the planned HyNet pipeline network. HyNet, which would deliver blue hydrogen from the Stanlow refinery 25km away, is not expected online until 2031 at the earliest.¹⁹⁵

Meranti Plans 2.5 million Tons/Year Green Iron Plant in Oman, But Hydrogen Ramp-Up Will Take Decades

Aug 27th: Singapore-based Meranti Green Steel plans to build a 2.5 million tons/year hot-briquetted iron (HBI) plant in Duqm, Oman, aiming to leverage the country's emerging hydrogen ecosystem and regulatory incentives. Commissioning is slated for 2029, with 50–60% of output bound for Meranti's green steel project in Thailand and the rest for European buyers seeking CBAM-compliant imports. The plant will initially run on just 15% green hydrogen and 85% natural gas, with a target of 85% green hydrogen by 2035–40; but potentially later, depending

¹⁹² <https://www.hydrogeninsight.com/production/infrastructure-firm-wins-its-second-bid-in-indias-inaugural-green-hydrogen-based-ammonia-auction/2-1-1863810>

¹⁹³ <https://www.hydrogeninsight.com/electrolysers/thyssenkrupp-nucera-lined-up-to-supply-1-4gw-of-electrolysers-to-giant-green-hydrogen-based-steel-project/2-1-1863709>

¹⁹⁴ <https://www.hydrogeninsight.com/industrial/stegra-installs-first-200mw-of-electrolysers-for-giant-green-hydrogen-based-steel-project/2-1-1862960>

¹⁹⁵ <https://www.hydrogeninsight.com/industrial/uk-completes-first-trial-switching-from-natural-gas-to-hydrogen-for-aluminium-recycling/2-1-1862925>

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on CO₂ pricing and market conditions. At that level, the carbon footprint would fall to ~200kg per ton of steel, considered near-zero. Meranti cites both cost (+\$300–500/ton) and technical constraints as barriers to faster adoption. Oman's Hydrom-led push to attract green hydrogen developers was a key factor in Meranti's site selection.¹⁹⁶

Metacon Delivers Electrolyzers for 50 MW Greek Refinery Project

Aug 26th: Swedish supplier Metacon has delivered ten 5 MW pressurised alkaline electrolyser stacks — manufactured by China's Peric — to Motor Oil Hellas for a 50 MW green hydrogen plant at its Corinth refinery. Motor Oil has paid €14.9M (\$ 17.5M) so far, with remaining payments due once non-electrolyzer equipment is delivered. The contract covers a total of 50 MW: an initial 30 MW order valued at € 19.8M, plus a 20 MW add-on worth € 10.6M, or ~€ 0.61M per MW. Metacon holds exclusive rights to market and manufacture Peric's Chinese-designed stacks in Europe. The firm raised SKr 20M (\$b2.1M) in Q2 2025 to cover liquidity needs during stack production, expecting repayment with ~SEK 165M in customer payments linked to delivery.¹⁹⁷

South Korean Province Seeks \$1.9B Subsidy for 1 GW Hydrogen Hub

Aug 22nd: South Jeolla Province (Jeonnam) has applied for 2.7T won (\$1.9B) in national subsidies to develop South Korea's largest clean hydrogen project. The plan calls for 500 MW of electrolyzers in the first phase, expanding to 1 GW powered by renewables and the 5.2 GW Hanbit nuclear plant. Provincial officials say the project will distinguish Jeonnam from existing hydrogen complexes in Gangwon and Gyeongbuk by focusing on large-scale production, helping absorb excess renewable generation while supporting local petrochemical and steel industries. The province aims to establish a full hydrogen value chain, from production to utilization, by 2030, with participation from more than 20 companies. The Ministry of Trade, Industry and Energy is expected to decide on the location of a "National Hydrogen Specialised Complex" in November.¹⁹⁸

Rystad: Nearly Half of Cancelled Hydrogen Capacity Due to Developers' Strategic Pivots

Aug 21st: Around 12.5 million tons/year of clean hydrogen capacity has now been cancelled, with nearly half (48%) abandoned primarily due to developers' strategic pivots back to core businesses, according to new analysis from Rystad Energy. Only 12% of cancellations were attributed directly to weak demand, while 9% cited costs and 8% pointed to lack of public support. Export-oriented projects in Australia and the Middle East have been most affected. BP, for instance, exited the Australian Renewable Energy Hub in July, shifting focus back to oil and gas amid difficulties securing offtakers. Similarly, Origin Energy announced in late 2024 that it would cease all hydrogen development opportunities. Rystad notes that while early enthusiasm has cooled, the sector is undergoing a necessary correction toward commercially viable projects.¹⁹⁹

Infineon Villach Plant Becomes Europe's First Semiconductor Site to Switch Fully to Green Hydrogen

Aug 21st: Infineon Technologies has fully replaced grey hydrogen with on-site green H₂ production at its semiconductor facility in Villach, Austria. The 2 MW proton exchange membrane electrolyzer, supplied by ITM Power and operated by Linde, will produce ~290 tons of ultra-pure hydrogen annually — meeting 100% of the site's needs. Previously, the plant relied on trucked-in grey hydrogen from Germany and the Netherlands. Infineon says the switch secures supply, reduces CO₂ emissions, and advances its corporate carbon neutrality

¹⁹⁶ <https://www.hydrogeninsight.com/industrial/singaporean-developer-plans-green-iron-plant-in-oman-but-it-will-take-years-to-ramp-up-green-hydrogen-use/2-1-1862820>

¹⁹⁷ <https://www.hydrogeninsight.com/electrolysers/metacon-delivers-chinese-made-electrolysers-for-50mw-greek-green-hydrogen-project/2-1-1861530>

¹⁹⁸ <https://www.hydrogeninsight.com/production/south-korean-province-applies-for-nearly-2bn-in-subsidies-for-1gw-hydrogen-hub-drawing-on-renewables-and-nuclear/2-1-1860915>

¹⁹⁹ <https://www.hydrogeninsight.com/analysis/-nearly-half-of-cancelled-clean-hydrogen-capacity-ditched-due-to-developers-strategic-pivot-not-just-demand-woes-analyst/2-1-1860822>

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goals. Hydrogen of this purity (99.99999999%) is only produced at a handful of sites in Europe, making the Villach plant the first on the continent to fully decarbonize semiconductor H₂ use.²⁰⁰

Masdar Puts Green Hydrogen on Hold, Prioritizes Power for Data Centres

Aug 21st: Abu Dhabi's state-owned developer Masdar is slowing its green hydrogen ambitions to focus on supplying renewable electricity to data centres, citing weak offtake markets for hydrogen and ammonia. CEO Mohamed Jameel Al Ramahi said demand for "green molecules" has not materialized as expected, asking: "If I want to produce green ammonia, who's going to be the offtaker?" Masdar had targeted 1 million tons/year of green hydrogen capacity by 2030, but now projects that milestone around 2034. Resources initially earmarked for 350,000 tons of ammonia production have been redirected to the UAE's data centre sector, along with billions in planned hydrogen investment. Masdar maintains that hydrogen remains part of its long-term strategy, but emphasized its core mandate is to deliver green electricity, targeting 100 GW of capacity by 2030 (up from 51 GW today).²⁰¹

Chile Proposes \$2.8B Hydrogen Tax Credit Bill

Aug 20th: The Chilean government has submitted a bill to the Chamber of Deputies to establish \$2.8B in tax credits for domestic users of green hydrogen and its derivatives. The credits will be awarded via six competitive auctions between 2025 and 2030, front-loaded to provide stronger incentives in the early years. The legislation also offers special tax benefits to developers in Magallanes and Antarctic regions, including exemptions from corporate income tax and VAT on imported capital goods, while requiring contributions to regional development after securing environmental permits. Despite being touted as a future hub for ultra-low-cost hydrogen exports, Chile has yet to see large-scale projects reach FID. Finance minister Mario Marcel said the measure is aimed at de-risking early offtake and consolidating Chile's position as a global leader in clean fuel.²⁰²

Study Finds No Major Barriers to 3,400km North Africa–Europe Hydrogen Corridor

Aug 18th: A corridor study led by five transmission system operators — Net4Gas (Czechia), OGE (Germany), Eustream (Slovakia), TAG (Austria) and Snam (Italy) — has concluded that there are no technical or economic obstacles to building the 3,400km "SunsHyne Corridor," a proposed hydrogen pipeline linking North Africa to central and western Europe. The pipeline, expected online by 2030, would carry up to 5 million tons of hydrogen annually (450 GWh/day), with 85% of its length repurposed from existing gas infrastructure. The route would land in Sicily, traverse Italy, Austria, and Slovakia, then extend to Czechia and Germany, where demand is projected to reach 100 TWh by 2030. The project will integrate with national hydrogen backbones, including the EU-funded Czech Hydrogen Backbone, and form part of the broader European Hydrogen Backbone.²⁰³

China Energy to Build 2.2 GW Green Hydrogen-to-Ammonia Project in Inner Mongolia

Aug 18th: State-owned China Energy Investment Corporation (CEIC) has received approval from regional authorities to begin construction on a \$1.8B (13bn yuan) green hydrogen-to-ammonia facility in Bayannur, Inner Mongolia. The project will feature 2.2 GW of electrolyzers with an hourly hydrogen production capacity of 442,000 Nm³, supporting annual output of 1.35 million tons of green ammonia. The facility will be powered by 3.4 GW of wind generation and is slated to begin construction in Oct 2026, with completion targeted for Dec 2028. CEIC

²⁰⁰ <https://www.hydrogeninsight.com/industrial/european-first-austrian-semiconductor-plant-switches-to-using-green-hydrogen-only-instead-of-grey/2-1-1860709>

²⁰¹ <https://www.hydrogeninsight.com/production/whos-going-to-be-the-offtaker-masdar-puts-green-hydrogen-on-the-backburner-report/2-1-1860354>

²⁰² <https://www.hydrogeninsight.com/policy/chilean-government-submits-2-8bn-hydrogen-tax-credit-bill-to-legislators/2-1-1860075>

²⁰³ <https://www.hydrogeninsight.com/innovation/no-showstopper-identified-five-gas-pipeline-operators-complete-study-on-3-400km-hydrogen-corridor/2-1-1858488>

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will finance the project with 4bn yuan in equity and a 9bn yuan bank loan. If realized, it would become China's second-largest green ammonia project, following Envision Energy's 2.5 GW Chifeng development.²⁰⁴

India Sets Record Low Price in Green Ammonia Auction

Aug 15th: The Solar Energy Corporation of India (SECI) has announced the lowest winning bid to date in its ongoing green ammonia tender. New Delhi-based Jakson Green will supply 85,000 tons annually to Coromandel International's Kakinada fertilizer plant in Andhra Pradesh at 50.75 rupees/kg (\$0.58), or ~\$580/ton — nearly half the €1,000/ton price secured by Fertiglobe in last year's H2Global auction. SECI has now awarded 410,000 of the 724,000 tons/year offered in the auction. Other winners include Onix Renewable (\$599/ton), ACME (\$641/ton), SCC Infrastructure (\$610/ton), Oriana Power (\$596/ton), and NTPC (\$591/ton). Results for the remaining seven sites are expected later in August. SECI highlighted the auction's success in creating competitive domestic offtake and signaled ambitions to expand partnerships with buyers in Japan, Korea, and Europe.²⁰⁵

German Developer Walks Away from €112 million European Hydrogen Bank Subsidy

Aug 14th: Deutsche ReGas has withdrawn its 210 MW H2-Hub Lubmin project from the European Hydrogen Bank's second auction, forfeiting €112 million in subsidies. The developer had secured funding at €0.47/kg of H₂ over ten years but cited regulatory uncertainty — particularly Germany's delayed implementation of RED III — as a key barrier to moving forward. The withdrawal leaves 13 projects still negotiating grant agreements due for sign-off in October. It follows earlier exits by Vattenfall and Copenhagen Infrastructure Partners' 560 MW Zeevonk project, which cannot meet the 2030 deadline, and previous dropouts including CIP's 500 MW Project Catalina and Spanish developer Benbros' 60 MW scheme. A third auction round is scheduled for later this year, expanding eligibility to low-carbon hydrogen not classified as RFNBO.²⁰⁶

Fortescue Secures \$2B Chinese Loan, But Green Hydrogen Plans Remain on Hold

Aug 8th: Fortescue has raised a 14.2bn-yuan (\$2B) loan from a syndicate of Chinese, Australian, and international lenders, but none of the funding will go towards its green hydrogen pipeline. Instead, the financing will support the miner's broader decarbonization efforts and partnerships with Chinese technology suppliers. The move hints at Fortescue's retreat from hydrogen: just weeks ago, the company cancelled its 80 MW Arizona Hydrogen and 50 MW PEM50 projects, both post-FID, citing lack of market demand. Fortescue is also reassessing the future of its 2 GW Gladstone electrolyzer factory. While founder Andrew Forrest has championed hydrogen globally, executives concede that buyers remain unwilling to pay a premium. Fortescue still aims to eliminate fossil fuels from its Australian iron-ore operations by 2030, using electrification, green hydrogen in processing, and green ammonia in shipping.²⁰⁷

Horizon Buys Hyzon's IP After Truckmaker's Bankruptcy

Aug 7th: Singapore-based Horizon Fuel Cell Group has acquired the intellectual property of insolvent hydrogen truck firm Hyzon Motors, which was formally dissolved in March 2025. Horizon says it will honor Hyzon's outstanding orders across the US, Europe, Australia, and New Zealand, though it remains unclear how many vehicles are still due after Hyzon halted operations in mid-2024. Horizon, which recently secured a deal to supply 100 fuel-cell systems to Chinese truckmakers Shanghai Wuliu and Z Truck Automotive, says the acquisition will allow it to serve Hyzon's customer base and expand revenue streams. Hyzon's collapse followed a 2021 short-

²⁰⁴ <https://www.hydrogeninsight.com/production/second-largest-in-china-state-owned-firm-to-build-giant-2-2gw-green-hydrogen-to-ammonia-project/2-1-1858487>

²⁰⁵ <https://www.hydrogeninsight.com/production/india-announces-lowest-price-yet-in-its-green-hydrogen-based-ammonia-auction/2-1-1857950>

²⁰⁶ <https://www.hydrogeninsight.com/policy/another-european-hydrogen-bank-winner-gives-up-subsidies-this-time-in-germany/2-1-1857895>

²⁰⁷ <https://www.hydrogeninsight.com/production/fortescues-new-2bn-chinese-loan-will-not-go-towards-green-hydrogen-projects/2-1-1855471>

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seller report alleging misrepresentations, and a 2023 SEC settlement with two senior executives. Despite Hyzon's downfall, Horizon maintains that hydrogen remains the "ultimate clean solution" for long-haul trucking.²⁰⁸

Chinese Firm to Build Six Hydrogen Refuelling Stations in Saudi Arabia

Aug 7th: Chinese hydrogen company Sincetrue has signed an agreement with Saudi investment firm Moaj to design and construct six hydrogen refuelling stations across the kingdom, three of which will integrate on-site green H₂ production. Each production-enabled site will include two 750 kW electrolyzers. The stations will be strategically located along the 1,600km Riyadh–Mecca highway, linking Jeddah on the Red Sea to Dammam on the Persian Gulf. Sincetrue also announced plans to collaborate with KAUST and King Saud University on a 5 MW green hydrogen project, though further details were not disclosed. The stations are expected to come online in 2026.²⁰⁹

Statkraft Secures Land for 400 MW Green Hydrogen & Ammonia Project in Shetland

Aug 6th: Statkraft has signed a lease with Shetland Islands Council to develop the 400 MW Shetland Hydrogen Project 2 next to the disused Scatsta Airport. The grid-connected facility will convert excess wind generation into hydrogen, which will then be synthesized into ammonia for use in marine shipping, fertilizer production, and other industries. Ammonia exports will move through the nearby Sullom Voe oil & gas terminal, 5.6km from the site. The lease will bring the council £1.13 million (\$1.5 million) annually plus £2 million in community benefit payments. Statkraft, which recently announced it would halt new green hydrogen developments while seeking partners for existing ones, is also advancing a separate project at the former Hunterston coal terminal. The Shetland scheme received £270,500 (\$360k) in Scottish government funding for pre-FEED in May.²¹⁰

Sungrow Signs MoU to Build Electrolyser Factory in Oman

Aug 6th: Chinese electrolyser manufacturer Sungrow has signed an MoU with Omani engineering firm United Engineering Services (UES) to establish an electrolyzer production facility in Oman. The plant would manufacture electrolyzers, gas separation and purification systems, and related infrastructure, aimed at supplying both domestic hydrogen projects and export markets in the Middle East. The move follows Sungrow's January deal to supply 5MW alkaline electrolyzers for the 320 MW first phase of ACME Group's 3.5 GW green hydrogen and ammonia project in Oman. Sungrow, currently China's largest electrolyzer maker with ~3 GW annual production capacity, is expanding globally as Oman targets 1 million tons/year of green hydrogen output by 2030. No capacity details have been disclosed for the planned Omani factory.²¹¹

CIP Acquires Majority Stake in 100 MW German Hydrogen Project

Aug 6th: Copenhagen Infrastructure Partners (CIP) has purchased a 70% stake in H2Apex's planned 100 MW green hydrogen project in Lubmin, Germany. CIP will provide €15 million (\$17.4 million) in development funding ahead of FID, with the total project cost expected in the hundreds of millions. The first phase, scheduled for completion in 2028, will produce ~10,000 tons of green hydrogen annually under a preliminary offtake deal. The project, which could scale to 600 MW, has secured €167 million in EU-approved state aid under the IPCEI program. Located near the Flow hydrogen pipeline, the facility would be well positioned to move hydrogen from northern production sites to industrial demand centers in southern Germany. H2Apex also recently acquired

²⁰⁸ <https://www.hydrogeninsight.com/transport/insolvent-hydrogen-truck-maker-hyzons-intellectual-property-bought-by-parent-company/2-1-1854840>

²⁰⁹ <https://www.hydrogeninsight.com/transport/chinese-company-signs-contract-to-build-six-hydrogen-refuelling-stations-across-saudi-arabia/2-1-1854394>

²¹⁰ <https://www.hydrogeninsight.com/production/statkraft-secures-land-for-400mw-green-hydrogen-and-ammonia-project-on-scottish-island/2-1-1854338>

²¹¹ <https://www.hydrogeninsight.com/electrolysers/chinese-manufacturer-sungrow-signs-mou-to-build-hydrogen-electrolyser-factory-in-oman/2-1-1854222>

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HH2E's up-to-1 GW Lubmin project, likewise targeting a 100 MW first phase by 2028, though no FID has been taken yet.²¹²

Rolls-Royce to Power German Data Centres with Green Hydrogen-Based Fuels

Aug 5th: Rolls-Royce Power Systems has partnered with German e-fuels producer Ineratec to use hydrogen-based e-diesel in back-up generators for data centres, replacing fossil diesel in its "mtu" systems. The initiative comes amid surging data centre demand from AI expansion, which has raised concerns about rising emissions. Ineratec will supply e-diesel from its Era One facility in Frankfurt, Europe's largest operational e-fuels plant, which produces 2,500 tons/year of synthetic crude oil from biogenic CO₂ and hydrogen by-product. The companies said the next step will be validating e-fuel performance in emergency generators ahead of commercial deployment. Rolls-Royce recently announced a \$32 million expansion of generator manufacturing capacity in Minnesota, after sales to data centres jumped nearly 50% in 2024.²¹³

BP's 1.2 GW H2 Teesside Project Threatened by Data Centre Approval

Aug 4th: BP's flagship 1.2 GW blue hydrogen project in Teesside is at risk after local landowner Teesworks Ltd secured planning permission to build a large-scale data centre on the same site. BP can only proceed if the UK Department for Energy Security and Net Zero (DESNZ) grants a compulsory purchase order (CPO), which requires proving a "compelling case in the public interest." Teesworks Ltd, majority privately owned, has argued the data centre has stronger national importance given the UK's goal to triple capacity by 2030, while also citing stalled land negotiations and uncertainty around H2 Teesside's funding. BP is still awaiting a final government decision on subsidies under a "low-carbon hydrogen agreement," but its position has weakened after the company cut its global hydrogen and CCS portfolio earlier this year. DESNZ is also requiring additional environmental assessments before a ruling.²¹⁴

Upcoming Conferences

August 19-20, 2025	Infocast Midcontinent Clean Energy Summit 2025 – Indianapolis, IN
August 26-28, 2025	Infocast Texas Clean Energy Summit 2025 – Austin, TX
August 26-28, 2025	ees / Intersolar South America 2025 - São Paulo, Brazil
August 26-27, 2025	Solar & Storage Live Kenya 2025 – Nairobi, Africa
August 26-27, 2025	Battery Asset Management Summit Australia 2025 – Sydney, Australia
October 13-14, 2025	RE+ Florida 2025 – Orlando, FL
September 2-4, 2025	ees Mexico 2025 – México City, Mexico
September 8-11, 2025	RE+ 2025 – Las Vegas, NV
September 10-12, 2025	SNEC 10th International Energy Storage Technology 2025 – Shanghai, China
September 16-17, 2025	Solar & Storage Live Zurich 2025 – Zürich, Switzerland
September 16-17, 2025	Large Scale Solar Southern Europe 2026 – Athens, Greece
September 23-24, 2025	Energy Storage Summit Central Eastern Europe 2025 – Warsaw, Poland
September 23-25, 2025	Solar & Storage Live UK 2025 – Birmingham, UK
September 25-26, 2025	Energy Storage Canada 2025 – Canada
September 29-30, 2025	Infocast Energy Tax Equity & Credit Markets 2025 – Houston, TX
September 30-October 1, 2025	Green Hydrogen Summit USA 2025 – Seattle, WA
September 30 – October 1, 2025	RE+ Centroamerica 2025 – Panama City, Panama
October 1-2, 2025	EV Infrastructure & Energy Summit 2025 – London, UK
October 6-9, 2025	The Battery Show North America 2025 – Detroit, MI
October 6-8, 2025	ACP Offshore WINDPOWER 2026 – Boston, MA

²¹² <https://www.hydrogeninsight.com/production/cip-buys-70-stake-in-100mw-german-green-hydrogen-project-due-to-start-construction-next-year/2-1-1854136>

²¹³ <https://www.hydrogeninsight.com/power/rolls-royce-plans-to-use-green-hydrogen-based-fuels-to-power-german-data-centres/2-1-1853844>

²¹⁴ <https://www.hydrogeninsight.com/production/bps-landmark-uk-blue-hydrogen-project-in-danger-as-landowner-wins-permission-to-build-data-centre-on-same-site/2-1-1853254>

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October 7-8, 2025	PV CellTech USA 2025 – San Francisco, CA
October 7-8, 2025	Energy Storage Summit Asia 2025 – Manilla, Philippines
October 8-9, 2025	Solar & Storage Live Italia 2025 – Veronafiere, Italy
October 12-14, 2025	Solar & Storage Live KSA 2025 - Riyadh Front, Saudi Arabia
October 14-15, 2025	Clean Energy Investment Summit 2025 – Houston, TX
October 14-15, 2025	Energy Storage Summit Latin America 2025 – Santiago, Chile
October 14-15, 2025	Battery Asset Management Summit UK & Ireland 2025 – London, UK
October 15-16, 2025	Solar & Storage Live Amsterdam 2025 - Amsterdam
October 15-16, 2025	Solar & Storage Live Cape Town 2025 – Cape Town, South Africa
October 21-22, 2025	Solar & Storage Finance USA Summit 2025 – New York, NY
October 27-29, 2025	ACP Recharge Energy Storage Summit 2025 – Austin, TX
October 28-29, 2025	Infocast Mountain West Renewables 2025 – Salt Lake City, UT
October 29-30, 2025	ACP PEAK: Performance, Modeling & Assessment Conference 2025 – Austin, TX
October 10-12, 2025	SNEC Energy Storage and Battery Expo 2025 – Shanghai, China
October 19-23, 2025	CARILEC Conference and Exhibition 2025 – Dominican Republic
October 20, 2025	RE+ Alaska 2025 – Anchorage, AK
October 29-30, 2025	All Energy Australia 2025 – Melbourne, Australia
October 31-November 1, 2025	Energy Storage Summit India 2025 – Greater Noida, India
November 3-5, 2025	Infocast Southeast Renewable Energy – Charlotte, NC
November 5-6, 2025	Solar & Storage Live Paris 2025 – Paris, France
November 6-7, 2025	Solar & Storage Live Indonesia 2025 - Tangerang, Jakarta, Indonesia
November 7-8, 2025	Reuters Energy Storage North America 2025 – Houston, TX
November 7-8, 2025	RE+ Midwest, 2025 - Chicago, Illinois
November 11-12, 2025	Battery Asset Management – San Diego, CA
November 13-14, 2025	Solar & Storage Live Barcelona 2025 - Barcelona, Spain
November 19-20, 2025	RE+ CHARGE H2 2025 – Seattle, WA
November 20-21, 2025	RE+ Península de Yucatán 2025 - Mérida, Yucatán, México
November 25-26, 2025	Large Scale Solar Central Eastern Europe 2025 – Warsaw, Poland
December 2-3, 2025	RE+ Community Energy 2025 - Schaumburg, IL
December 2-3, 2025	PV ModuleTech Europe 2025 – Malaga, Spain
December 2-3, 2025	Battery Asset Management Summit Europe 2025 – Rome, Italy
December 9-10, 2025	Reuters Energy LIVE 2025 – Houston, TX
January 14-15, 2026	RE+ Hawaii 2026 – Honolulu, Hawai'i
January 20-22, 2026	Powergen International 2026 – San Antonio, TX
January 20-23, 2026	ERCOT Summit 2026 – Austin, TX
January 28–29, 2026	Solar & Storage Live Thailand 2026 – Bangkok, Thailand
January TBD, 2026	2026 COSSA Solar Power Energy Storage
January 12-14, 2026	Infocast Projects & Money 2026 – New Orleans, LA
February 2-5, 2026	Distributech 2026 – San Diego, CA
February 3-4, 2026	Solar Finance & Investment Europe 2026 – London, UK
Feb 3-8, 2026	China International Battery Fair (CIBF2026) - Shenzhen, China
February 10-12, 2026	Solar Power Africa 2026 - Cape Town, South Africa
February 18–20, 2026	Intersolar / Energy Storage North America 2026 - San Diego, CA
February 4-5, 2026	RE+ Northeast 2026 - Boston, MA
February 24-25, 2026	Energy Storage Summit 2026 – London, UK
March 4-6, 2026	Operations, Maintenance & Safety Conference Orlando 2026, FL
March 10-11, 2026	PV CellTech Europe 2026 – Frankfurt, Germany
March 11-12, 2026	Energy Storage Show – Birmingham, UK
March 11-12, 2026	RE+ Microgrids 2026 – Houston, TX
March 11-12, 2026	RE+ Texas 2026 – Houston, TX
March 15-18, 2026	Infocast Solar Wind Finance and Investment 2026 – Phoenix, AZ
March 17-18, 2026	Energy Storage Summit Australia 2026 – Sydney, Australia
March 18-20, 2026	Solar & Storage Live Africa 2026, Johannesburg, South Africa
March 18-19, 2026	Solar & Storage Live Queensland 2026 – Brisbane, Australia
May 19-20, 2026	The Solar Show Philippines 2026 – Manilla, Philippines
March 23-24, 2026	RE+ Cono Sur 2026 – Santiago, Chile
March 24-25, 2026	Energy Storage Summit USA 2026 – Dallas, TX

March 24-25, 2026
March 30–April 1, 2026
April 1-2, 2-26
April 7-9, 2026
April 9-10, 2026

Large Scale Solar Europe 2026 – Rome, Italy
ACP Siting & Permitting Conference 2026 – Aurora, CO
Energy Storage International Conference and Expo (ESIE 2026) – Beijing, China
Middle East Energy (MEE 2026) – Dubai
Solar & Storage Live Malaysia 2026 - Kuala Lumpur, Malaysia

MEET US AT RE+

**September 8-11, 2025 | Las Vegas, Nevada**
The Venetian Convention and Expo Center
BOOTH# V12296

**FRACTAL**
ENERGY STORAGE CONSULTANTS

- INVESTMENT-GRADE ENERGY STORAGE & HYBRID ANALYSIS
- RFP PREPARATION AND EVALUATION
- SELL-SIDE & BUY-SIDE ADVISORY
- INDEPENDENT ENGINEERING REPORTS
- DUE DILIGENCE FOR FINANCE, TAX EQUITY, OR M&A
- CONTRACT PREPARATION, REVISION & NEGOTIATIONS
- MARKET ANALYSIS



BOOK A MEETING AND GRAB SOME LIMITED EDITION SWAG

It's time to drop the big boot on boredom at RE+ in Las Vegas, September 8-11th. Fractal Energy Storage Consultants is stormin' the ring, ready to body-slam your project needs with our unbeatable expertise in energy storage investment analysis, due diligence that hits harder than a leg drop, procurement and contract support that'll pin down the best deals, and independent engineering that's pure championship material, brother!

Wanna talk shop about the electrifyin' energy storage market or those massive M&A opportunities? Charge over to our booth in the Venetian Level 2, Booth No. V12296. Schedule a quick huddle with one of our subject matter experts Rahul Verma, Scott Huennekens, Aaron Barker and Judy McElroy, or swing by for a surprise attack. Snag one of our limited-edition pro wrestler Hawaiian shirts—these scorchin' hot items are slammin' the scene, flyin' outta the booth faster than a clothesline from hell! First come, first served, so pump up those pythons and get here before they're gone forever!

Don't miss this tag-team takeover—get in the ring and let's make some energy storage magic happen!

- ⚡ Where: Venetian Level 2 Booth V12296
- ⚡ When: Sep 8-11th - all conference long, baby!
- ⚡ Why: Killer swag and total energy storage supremacy

CONTACT US AT INFO@FRACTALBA.COM FOR A MEETING.

Fractal Energy Storage Consultants News

Fractal is a specialized energy storage consulting and engineering firm that provides expert consulting, independent engineering, and advisory services for energy storage and hybrid projects.



KEY SERVICES

Financial Analysis

- Project Lifetime Investment Analysis
- Cost Analysis and Benchmarking
- Revenue Analysis and Benchmarking
- Seller Model Preparation
- Feasibility Studies
- Bankability Analysis
- Power Market Pricing Assessment
- RFP Offer Preparation
- Long-Term Power Market Forecasts

Expert Contract Support

- Turnkey Form of Agreement Preparation (Supply, SLA, Turnkey EPC, EPC, PPA, Full Toll, Virtual Toll, ESSA, Warranty)
- Technical Exhibit Preparation or Review (DOR, Scope, EMC/MPC/SCADA, Technical Specifications, Test Plans, Performance Guarantees)
- Negotiation Support (Supply, SLA, Turnkey EPC, EPC, PPA, Full Toll, Virtual Toll, ESSA, Warranty)
- Availability, PFG, LDs, and Caps

M&A Services

- Arrange and Lead Competitive Sales Processes for Assets and Equipment
- Buy-side and Sell-side Representation
 - Development and Operational Assets and Platform Advisory Services

Due Diligence Services

- Financial, Technical, and Commercial Due Diligence Review to Support Investment, Finance, M&A, and Tax Equity Transactions

Independent Engineering Services

- Independent Engineer Review and Report
- Fatal Flaw Analysis
- Technology Assessment
- Energy Production Review
- Cost Estimation and Critical Path Schedule Development
- Commissioning Test Plan Development
- Commissioning Witness/Certification
- Annual Performance Verification
- Technical Dispute Resolution
- Fire Safety Review
- SLD and Site Layout Preparation
- 30%, 60%, IFP, IFC Design / Drawing Review

Procurement Support

- Procurement Strategy Advising
- RFP Package Drafting
- Bid Evaluation and Scoring

Market Analysis

- ISO/RTO Market Analysis
- Development Roadmap / Go-to-Market
- Energy Storage Trends
- Custom Topic Whitepapers

FRACTAL MODEL TECHNOECONOMIC MODELING SOFTWARE

INVESTMENT-GRADE BATTERY STORAGE AND HYBRID DESIGN AND ANALYSIS TOOL

V25.6 RELEASED ON JUNE 30TH - SCHEDULE A DEMO

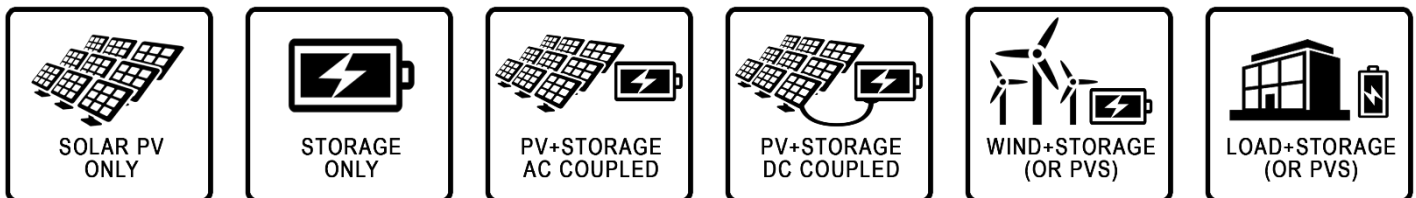


STANDALONE STORAGE OR HYBRID SYSTEM ANALYSIS

The Fractal Model is a bankable, techno-economic modeling tool used for project development, due diligence, and RFP evaluation. Used by hundreds of companies globally, the Fractal Model provides investment-grade analysis while simulating performance, degradation, warranty, costs, and revenues to optimize the economics of your energy storage and hybrid projects.

The Fractal Model platform is a cloud-based solution and is available through a license with quarterly updates. The Fractal Model is used by electric utilities and tier-1 energy companies (developers, EPCs, integrators) to perform battery storage sizing, dispatch, and financial analysis. Fractal Model strives to be the energy market's choice for transparent, real-world storage investment analysis.

Contact Rahul Verma (rahul@fractalba.com) for a demo.



Fractal Model v 25.6 Key Updates Include:

1. Custom TB benchmarks, trading horizon, and variable O&M
2. Expanded gas model with heat rate settings
3. Custom 40-year generation and curtailment profile

SUPPORTED USE CASES AND CONFIGURATIONS

STANDALONE OR HYBRID PROJECTS

- Standalone BESS
- Solar PV (AC and DC Coupled)
- Wind
- Load

REVENUE SOURCES

- ISO/RTO Market Participation
- PPAs and Tolling Contracts
- Retail Energy and Demand Charge Offsets

BESS APPLICATIONS

- Wholesale Power and Ancillary Services
- Renewable Energy Shifting
- Load Following and Peak Shaving
- Capacity Market Obligations
- Solar PV Smoothing and Firming
- Curtailment Reduction
- Solar PV Clipped Energy Recapture

WHOLESALE MARKETS

- Built-in Functionalities for all North American Markets
- Customizable for European and Asia Pacific Markets

INTERCONNECTION

- Front-of-the-meter
- Behind-the-meter

TECHNOLOGIES

- Lithium-ion (multiple LFP, NMC, LTO, etc.)
- Flow Batteries (multiple)
- Zinc Aqueous
- Sodium Sulphur Batteries

TAX INCENTIVES

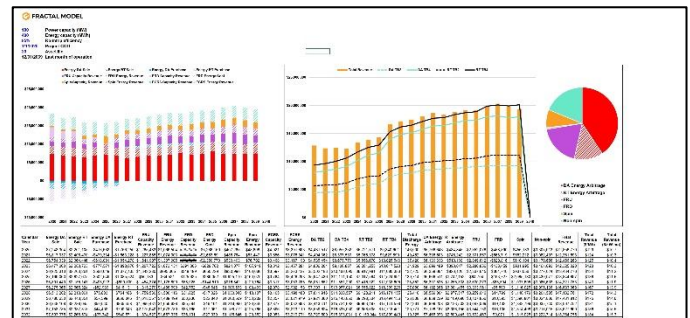
- Investment Tax Credit
- Production Tax Credit
- State Incentives

STATE LEVEL PROGRAMS

- CA Self-Generation Incentive Program (SGIP)
- MA Solar Massachusetts Renewable Target (SMART)
- NY Value of Distributed Energy Resources (VDER)
- MA Clean Peak Energy Standard
- MA / RI Connected Solutions
- NY Index Storage Credits (ISC)
- Custom – Build Your Own

INVESTMENT-GRADE ANALYSIS

Fractal Model's financial model generates detailed cash flow results used for investment analysis worldwide. Fractal Model supports tax equity cash flow, back leverage, construction loans, and other advanced financial model features. Users can perform sensitivity analysis by changing annual escalators for capacity payments, arbitrage revenue, ancillary revenue, warranty costs, aux load costs, corrective maintenance, etc., to derisk project economics.















Fractal EMS News



BMS/EMS/PPC KEY FEATURES

Fractal EMS combines advanced features with competitive pricing to create the industry's best energy storage and hybrid controls value.

- 
TECHNOLOGY AGNOSTIC
 Flexible architecture that allows you to use different types of batteries and PCS.
- 
MADE IN THE U.S.A.
 Fractal EMS is U.S.-made with an in-house controller, FNE assembly, and in-house software development
- 
TURNKEY CONTROLS
 Full-stack controls and software for EMS/SCADA/MPC. Fractal designs, installs, and commissions the controls, networking, SCADA, historian, and HMI.
- 
LOCAL CONTROLS
 Fractal hosts the historian and HMI on-site and off-site (the equipment controls are on-site and do not need the cloud).
- 
PV+S (SOLAR + STORAGE)
 Hybrid (AC or DC coupled), solar-only, storage-only, and AC and DC coupled.
- 
DATA RETENTION
 Fractal stores data for the life of the contract to support warranty claims and asset sales.
- 
VERTICAL CONTROLS
 Fractal provides a range of options, including unit controller, site controller, and MPC.
- 
SCALABLE
 An open, modular platform that can control multiple sites with 100+ PCS. Fractal provides a fleet-level view of your portfolio.
- 
CYBER SECURITY
 Built on ISO 27001, NERC CIP, and NIST 800-53 framework. Highly experienced in-house cyber/IT team with third-party auditing.
- 
EXPERIENCED TEAM
 Our team has over a decade of energy storage controls development, integration, commissioning, and operations.
- 
BUILT FOR HIGH RELIABILITY
 Hardened equipment backed by a high availability guarantee.
- 
DIAGNOSTICS
 Performance analytics to maximize performance and uptime.

UNLOCK YOUR SUPPLY CHAIN

Fractal EMS can integrate, commission, and provide best-in-class cybersecurity for the following battery systems and inverters. Contact us for more information on alternative suppliers:

- **Vertical equipment:** Tesla, Sungrow, LGES, CLOU, Powin, AESI
- **Batteries:** A123, AESC, Amperon, ATESS, ATL, BYD, CALB, CATL, Cornex, COSPOWERS, CRRC, Cube Energy, Desay, ECO Power, Eneon, Envision, E-Storage, EVE Energy, EVLO, Goldwind, Gotion, Great Power, Hithium, Hyperstong, PotisEdge, JA Solar, JD Energy, JinkoESS, Kore Power, Linyang, Lishen, Narada, Our Next Energy, Power X, RCT Power, RelyEZ, REPT Battero, Risen, Samsung, Sinexcel, Sunwoda, SVOLT, Tecloman, Trina Storage, Wolong, Zentech, Zetara Power, Zonergy, ZTT
- **Inverters:** PE, SMA, EPC Power, Sungrow, Sineng, Dynapower, Ingeteam, Kehua, Huawei, CRRC, Sinexcel, NR Electric, TBEA

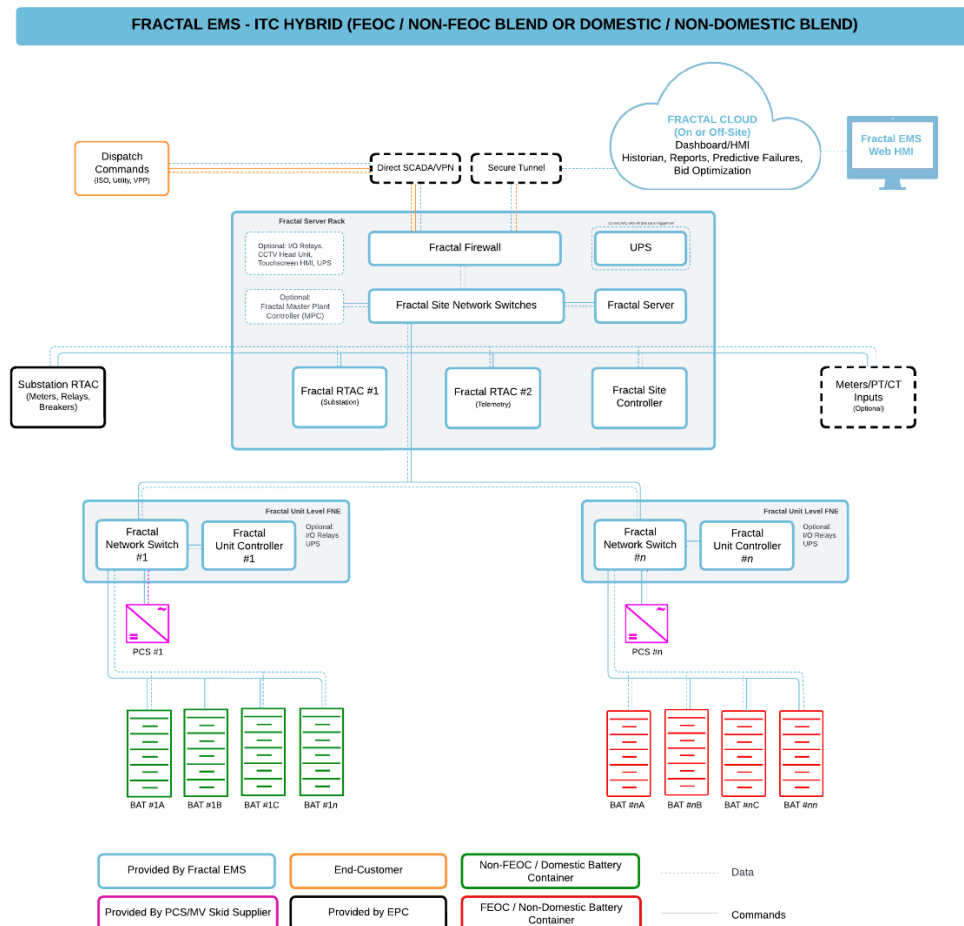
SCHEDULE A DEMO

Schedule a demo today. Feel free to reach out about bidding on your projects (Fractal partners with vendors and EPCs to provide quotes):

- Corrie@FractalEMS.com
- Alice.Lu@FractalEMS.com

ITC HYBRID SOLUTIONS

Fractal EMS can integrate hybrid projects to meet domestic content or FEOC thresholds, thereby qualifying for ITC. Contact us for more details.



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