

Varco Energy, a UK-based battery storage asset owner, has expanded its initial trading services relationship with technology provider Arenko. The two have agreed an asset management software deal that sees Varco ...

A total 1.67GW of projects won contracts, including 32 battery energy storage system (BESS) totalling 1.1GW and three pumped hydro energy storage (PHES) projects totalling 577MW. ... Renova, which claims to be Japan's only public-traded pureplay developer of renewable energy assets in Japan and Asia, won three of the next-biggest contracts ...

This shift in approach ensures a balanced strategy that not only optimises real-time profits but also fosters the long-term health and longevity of energy storage assets. Battery degradation and storage capacity. Battery degradation has a profound impact on the efficiency and the ability of batteries to store energy over time.

ESN Premium spoke with the system integrator's CEO Jaehong Park a few months ago, hearing about Vertech's strategy for the US market, which included a focus on vertical integration and leveraging the assets and knowhow of NEC Energy Solutions, the former industry-leading integrator which LG Energy Solution acquired after parent company NEC ...

1 ??· RWE has reached 10 GW of owned and operated clean generation assets in the US. ... and energy storage facilities in operation from coast to coast. The company owns and operates a diverse portfolio of more than 170 facilities in 24 US states, including 4.3 GW of solar, 5.2 GW of onshore wind, and 0.5 GW of battery storage. ...

As society moves away from centralised fossil fuel generators to increasing shares of distributed renewable energy resources, the idea that customers' homes could become host to virtual power plants (VPPs), joining the dots between electricity supply and demand across the grid, has gradually gathered traction. Andy Colthorpe speaks with Suleman Khan CEO of ...

Gore Street Energy Storage Fund, one of two stock exchange listed energy storage funds in the UK, has acquired an 81MW operating battery storage portfolio from Anesco, as the latter continues its transition from asset owner to services provider. ... The portfolio consists of 14 UK based storage assets that range in size from 1MW to 20MW ...

"Queensland's transformation to 80% renewable energy by 2035 will unlock AU\$270 billion in new investment and open up AU\$430 billion in economy opportunity." Energy-Storage.news" publisher Solar Media will host the 1st Energy Storage Summit Australia, on 21-22 May 2024 in Sydney, NSW. Featuring a packed programme of panels ...

Image: Atlas Renewable Energy. The Chilean Ministry of Energy has opened a public land bidding auction seeking 13GWh of standalone energy storage projects. In coordination with the Ministry of National Assets, the programme aims to allocate energy storage capacity across four regions - Arica and Parinacota, Tarapaca, Antofagasta and Atacama.

The UK parliament passed the Energy Bill last week. The UK government has cemented the role of energy storage as a generation asset in last week's landmark Energy Bill. The Bill was passed last week (6 July) by energy minister Kwasi Kwarteng and is designed to boost the UK's energy security in light of recent market volatility.

Energy-Storage.news and PV Tech proudly present our sponsored webinar with Fluence, looking at optimisation of renewable energy and energy storage asset performance.. Portfolios of grid-scale renewables and storage assets are growing rapidly, creating new challenges for owners and operators trying to maximise revenue while controlling costs.

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EU body EIT InnoEnergy has launched a new platform for owning and operating energy storage assets across Europe, called Repono, targeting a 10% market share of an expected 1TWh market by 2030. EIT InnoEnergy, an innovation and investment body of the EU, announced the launch of Repono this morning (6 March). The company's shareholders at ...

A 6 MW solar plant and 5 MW/2.5 MWh storage system are set to increase the share of renewable electricity on the Pacific island of Nauru from 3% to 47%. The \$27 million project is being...

The UK's Green Nation has unveiled plans for a solar and energy storage project, aiming to contribute up to 750MW to the country's National Grid. Called Whitestone Solar Farm, the solar facility is located between Rotherham and Doncaster in South Yorkshire and is in the preliminary stages of development.

Varco Energy, a UK-based battery storage asset owner, has expanded its initial trading services relationship with technology provider Arenko. The two have agreed an asset management software deal that sees Varco purchase Arenko's Nimbus Performance product across its portfolio of three long-duration storage projects (LDES) with nearly 160MW ...

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Energy-Storage.news" publisher Solar Media will host the 9th annual Energy Storage Summit EU in London, 20-21 February 2024. This year it is moving to a larger venue, bringing together Europe's leading investors, policymakers, developers, utilities, energy buyers and service providers all in one place.

Both Brookfield Renewable and Neoen have significant portfolios of renewables and energy storage assets. Brookfield Renewable has close to 34GW of operational capacity and a claimed 157GW development ...

The impact on battery energy storage assets; DC provides frequency response "post-fault" i.e. after frequency breaches specific upper/lower limits, however a small response is also required inside those limits. Comparing DC to the existing FFR product, the response profile for DC effectively extends the existing FFR boundaries for which (little ...

A solar-plus-storage site in Massachusetts, part of ISO New England's service area which covers six states. Image: Kearsarge Energy. ISO New England, operating the high-voltage grid and wholesale electricity markets in the northeastern US region, has requested separate classification of energy storage as a transmission asset.

ESB Networks has announced that Ireland's electricity grid now has 1GW of energy storage available from different energy storage assets. This figure includes 731.5MW of battery energy storage system (BESS) projects ...

This paper proposes a multi-stage low-carbon resilient planning method for clean resources and energy storage assets while considering the dynamic resolutions of hybrid uncertainties. A systematic hybrid uncertainty modeling method is designed to characterize both the long- and short-term uncertainties driven by endogenous and exogenous factors ...

Wärtsilä; GEMS rack. The EMS and its integrated software drives the value of energy assets and project and portfolio level, says Ruchira Shah. Image: Wärtsilä; . Wärtsilä; Energy Storage & Optimisation's software ...

UBS Asset Management was advised on the transaction by Troutman Pepper, Clean Energy Counsel, and Euclid Power. BMES has now sold 1,200MW of energy storage projects for delivery in ERCOT in 2024 in the last two months, with a total energy capacity of at least 1,700MWh, assuming that UBS" acquired projects have a discharge of at least one hour.

Speaking on a panel at this week's Energy Storage Summit 2021, Libicek said that when it comes to financing, energy storage remained "firstly a question of confidence", but deemed that the finance community can no longer ignore the potential of energy storage assets and in particular, co-located sites.

In the past few months Spain has announced a 2.5GW energy storage target by 2030 and Portugal is hosting a solar tender with a significant add-on option for storage. Clean Horizon's experts Corentin Baschet and Tanguy Poirot spoke with Andy Colthorpe on the role batteries and other storage can play in the Iberian Peninsula's energy transition in the present ...

The project will initially be developed to store enough energy to serve the needs of 150,000 households for a year, and there will eventually be four types of clean energy storage deployed at scale. These energy storage technologies include solid oxide fuel cells, renewable hydrogen, large scale flow batteries and compressed air energy storage ...

The short-duration energy storage assets total 889MWh of energy storage capacity with power conversion systems (PCS) enabling 978MW power output to the grid. The utility said the systems will enable it to manage up to a gigawatt of power generation constraints caused by ongoing power grid construction work. After that work is finished, the ...

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