Siemens energy storage

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For that, renewables such as wind and solar are key. But their supply fluctuates - and still, energy demand has to be met, and the grid has to operate reliably and economically.

While today"s energy producers respond to grid fluctuations by mainly relying on fossil-fired power plants, energy storage solutions will take on a dominant role in fulfilling this need in the future, supplying renewable energy 24/7. It"s already taking shape today - and in the coming years it will become a more and more indispensable and flexible part of our new energy world.

Storing fluctuating electricity supply is vital to stabilize the grid in the face of growing renewables build-out. Join us to discuss and evaluate the project economics of various technology types for integrated energy storage, and the possibility of sector coupling via H2 energy storage.

When it comes to our energy future, nothing will work without energy storage. That"s why the massive and rapid rollout of energy storage solutions is essential to stabilise the grid, decarbonise power generation, secure energy supply and make sector coupling possible.

For ELEC, everything revolves around the topic of energy. No wonder, after all, he lives in a light bulb. Bursting with questions on the energy transition, he wants to know why storage solutions are so important on our way towards a CO?-free economy. Watch the video for more.

The situation energy producers, distributers and industrial consumers find themselves in is by no means easy. They face constant social pressure to decarbonize - and risk ruining their reputation if they appear not to act fast enough. As long as they emit CO2, they have to pay a hefty price for it. Once energy utilities close fossil-fired power plants, they have to manage stranded assets.

Also, renewable energy producers have to ensure a consistent availability of energy - and in order to do so, they may have to curtail output. And as the share of renewable energy increases year over year, operators are challenged to cost-efficiently match energy supply and demand and ensure grid stability.

But a steady flow of energy is non-negotiable: Industry, like many other sectors of the economy, relies on it in order to ensure its operations run smoothly and without interruption. The production of green hydrogen also requires renewable energy sources, but if none are available, energy still needs to be at hand to manufacture it.

We take responsibility for the entire project, from engineering through commissioning, keeping your project on time and on budget. And if you need long-term maintenance, we can provide that as well.

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For over 170 years, we have been known to meet the highest standards in the energy sector. With our broad knowledge and state-of-the-art technology portfolio, we"re able to offer a broad array of energy storage solutions tailored to your needs.

We"ll help you ensure continuous, reliable performance of your assets by using advanced monitoring and control systems. These keep your performance in line with our predictions. And possibly even better.

Need help in a hurry? Our "Remote Expert Centre" has an eye on your system 24/7. Service technicians are available for quick help - either remotely or on-site. This protects profitability by guaranteeing plant performance.

Contact us for free full report

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