

Caterva presents platform for large-scale virtual storage at Energy Storage Europe

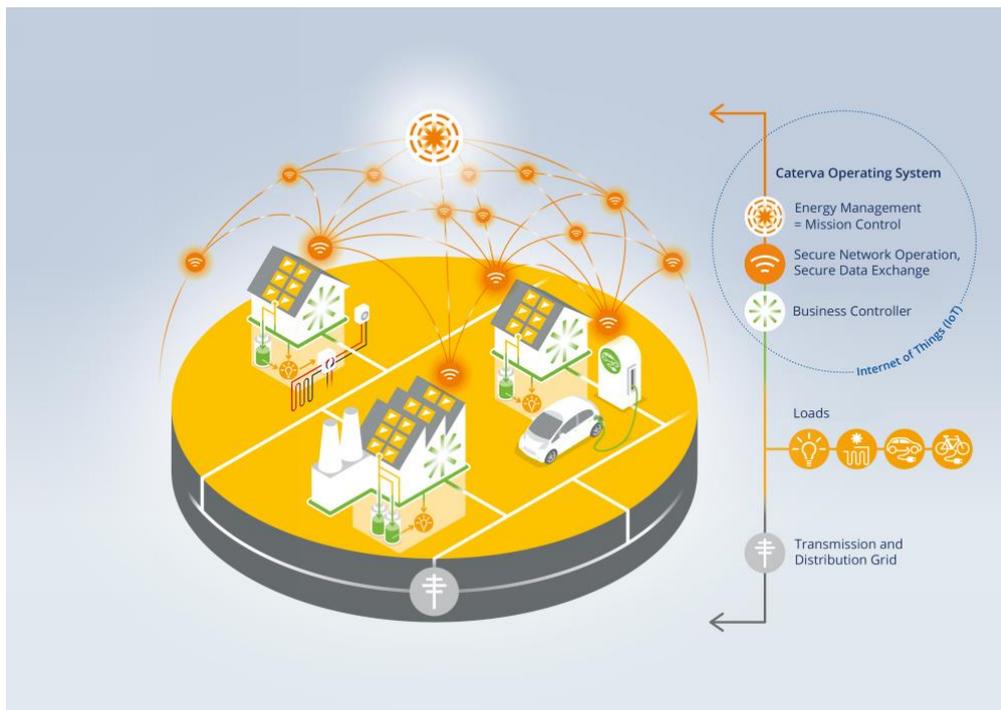
Effectively marketing flexibility of distributed power storage with the Caterva operating system

Pullach near Munich (Germany), February 27, 2017 – Based on the "Mission Control" central management system and local "Business Controller" units, Caterva GmbH provides an operating system that utilities and asset investors can use to operate networked and economically optimized power storage systems. The energy management system combines storage units into a virtual large storage plant, registers their operating status and the charge state of all distributed units, and ensures that local storage tasks are harmonized with central commercial management. The Business Controllers installed at individual storage sites communicate with the central system via secure mobile telecommunications data and network connections. The system fulfills the requirements for critical infrastructure and is even suitable for providing primary control power. The capacity of distributed storage units can thus be used more efficiently and their flexibility can be marketed as control power and/or in electricity trading. The operating system also meets the need for data protection, because the central IT system manages the storage anonymously, without accessing any personal data.

Thanks to the Caterva operating system, energy providers can integrate storage units of various types and sizes in the large-scale virtual storage system and market them. Depending on their commercial efficiency, Caterva uses them for primary or secondary control power and/or uses them for automated intraday electricity trading. Caterva supports providers with the building of infrastructure and commercially manages the large-scale virtual storage system on their behalf.

Markus Brehler, Managing Director of Caterva GmbH: "Our operating system for networked energy storage systems increases their commercial efficiency, promotes the use of photovoltaics by home owners, and can help electrical mobility reach greater acceptance by incorporating household charging systems. With our system, providers have an ideal platform for developing lucrative business models that are persuasive to environmentally conscious and price-sensitive end customers.

Caterva is presenting at Energy Storage Europe 2017 in Dusseldorf (Germany),
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Copies of the press release and the image materials are free of charge. For publication, we request documentation.

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About Caterva GmbH

Caterva GmbH, headquartered in Pullach im Isartal (Germany), was founded in 2013 and offers "Caterva Sun," the optimal combination of self-generated and networked power. Caterva Sun units supply private customers with 100% of the power from their own PV systems. Caterva Sun units are networked together to form a large-scale virtual storage system. Commercial management of this system produces additional income in electricity trading and from the stabilization of the power grid, which benefits Caterva's end customers and partners. Besides the Caterva Sun units, the Caterva system includes the Caterva energy management system, developed in-house for large-scale virtual storage systems, and the Caterva App, which end customers can use to get information on the status and efficiency of their Caterva Sun units.

Siemens subsidiary next47 GmbH supported the founding of Caterva and is a shareholder. Other shareholders are Caterva Managing Director Markus Brehler, commercial manager Gabriele Ellenrieder, and technical manager Dr. Roland Gersch.