



# Bahrain younicos battery

What is a Younicos battery based energy storage system?

Centrica (UK) Younicos has been selected by Centrica to design and deliver one of the world's largest battery-based energy storage systems. To be completed by winter 2018, the 49 megawatt (MW) lithium-ion system will respond to fluctuations in electrical demand in less than a second, to maintain electric power frequency and stability.

What did Younicos do?

Younicos was a German-American technology company that developed and sold energy storage systems and control software. The company integrated battery technologies, power electronics and control software to create systems that respond to the energy management requirements of power networks of all sizes, including micro-grids.

Did Younicos buy Xtreme Power?

(Prince declined to confirm or deny the \$200 million figure.) Last year, Younicos bought the assets of Xtreme Power, a bankrupt U.S. grid battery maker and control software vendor, adding about 60 megawatts of working projects to its portfolio.

What happened to Younicos?

In July 2017, Younicos was acquired by Aggreko and is now a wholly owned subsidiary of the Scottish company. In October 2018, Aggreko completed the integration of Younicos into its newly formed Microgrid and Storage Solutions business unit. The name "Younicos" is no longer in use. Y.Cube

How much money has Younicos raised?

According to Bloomberg, Younicos has raised about \$200 million from backers including Samsung and German-Japanese flow battery maker Gildemeister/DMG Mori Seiki. (Prince declined to confirm or deny the \$200 million figure.)

How many employees does Younicos have?

Younicos had two primary facilities: Younicos AG in Berlin, Germany, and Younicos Inc. in Austin, Texas. It employed a total of about 130 people as of 2017. The company was founded in Berlin, Germany, in 2005 under the name Solon Laboratories by executives of German solar manufacturer Solon.

The lab contains a 1-megawatt, 6-megawatt-hour sodium-sulfur battery from NGK for long-term energy storage and a 200-kilowatt-hour lithium-ion battery from Samsung SDI for high-power...

Integration and control of thermal, renewable and battery systems will be increasingly required to ensure power stability and reliability. Off-grid and microgrid energy solutions are adding more ...



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Yunicos, which has units in Germany and the US, offers modular and scalable smart energy solutions integrating battery storage. Aggreko noted that Yunicos's integration and control systems could be deployed across the firm's existing business to lower the cost of energy, ensure reliability and cut carbon dioxide (CO<sub>2</sub>) emissions.

Yunicos is the pioneer and market leader in smart energy and grid solutions based on battery storage. Our clients benefit from our superior software and ready-to-implement hardware solutions for small and large-scale ...

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Integration and control of thermal, renewable and battery systems will be increasingly required to ensure power stability and reliability. Off-grid and microgrid energy solutions are adding more wind and solar power to their mix, benefitting from optimised use ...

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Yunicos offers battery parks which are 3,000 times faster than conventional power plants enabling them to balance fluctuations in the grid much more precisely and efficiently. The company offers hybrid batteries and battery technology which ...

The "base case" typically revolves around optimising energy procurement by reducing connection and peak energy charges. If C&I users deploy storage in conjunction with solar, our battery systems will also help them optimise self-consumption and synch it with both their own energy demand and opportunities on the grid.

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