

<http://foresternetwork.com/daily/energy/energy-storage-solutions-latest/new-technology-partnership-for-net-zero-and-sustainable-homes-announced/>

New Technology Partnership for Net-Zero and Sustainable Homes Announced

Fortis Groep to use the POWERSTATION 247 in new sustainable and net-zero homes in 15 countries world-wide

Pompano Beach, FL (July 12) – concept by US corporation, manufacturers of the **POWERSTATION 247** has announced a partnership with the Fortis Groep to provide completely self-contained, solar energy storage and usage systems for new home developments world-wide, from one of the world's largest builders of sustainable structures, net-zero homes and buildings. The Fortis Groep is a vertically integrated leader in real estate infrastructure and sustainable energy development, operating in 15 countries world-wide with current project value in excess of \$8.6 billion.

The **POWERSTATION 247** is a complete and fully integrated, “plug and play” scalable solar energy usage and storage system with built-in battery storage. The system, which can be installed on and off grid, provides completely autonomous electricity on a 24/7 basis. The turn-key systems come in three sizes, 5 kW, 10 kW or 15 kW; all have the same battery storage capacity of 17.28 kWh. The system integrates up to 3 hybrid inverters, solar MPP-trackers, charge controller and lithium-iron batteries, all necessary field wiring terminals and disconnect switches. The **POWERSTATION** is UL certified with all components manufactured by one company

Since its introduction to the U.S. market in May of 2016, the **POWERSTATION** has received significant interest from home builders and solar installation companies throughout the United States.

Commenting on the partnership

with the Fortis Groep, Sara Kissing, VP and COO of concept by US corporation said: “We are extremely pleased to be working with the Fortis Groep, a pre-eminent developer of sustainable and net-zero structures around the world. The partnership makes complete sense for both of us. We have the technology to provide completely autonomous electricity for homes and small businesses, while Fortis is widely acknowledged to be one of the world's most experienced developers of sustainable structures.”

Alex Taranu, Managing Director of Fortis Groep added: “We are very glad to have found a “Plug and Play” system that will decrease dramatically our installation costs and provide us with the scalability of the requirements in the market.”

Homeowners using solar energy, storing it or selling excess power to their utility

Energy generated by solar panels can be used or stored; excess electricity can be fed into the public grid. Storing energy in the **POWERSTATION 24/7** can eliminate most electricity costs and completely power most homes.

In the event the public grid goes down due to unpredictable weather conditions or other issues, the **POWERSTATION 247** automatically switches to emergency power, making the home completely autonomous from the grid while recharging itself each day from sunlight. Electricity is literally available anywhere the sun shines – for a home, powering a business, a vacation home, an RV or on remote, off the grid islands.

Power Anywhere: How it works

Solar panels convert sunlight into electricity. This energy can be directly used and optimized to the customer's consumption.

After charging the battery bank, the system provides energy for the customer's consumption and if the solar panels have generated overcapacity, the electricity is fed into the public grid.

In the evening, or in case of a power outage, the **POWERSTATION 247** automatically switches to battery energy.

During the night the battery maintains an individual set percentage of its energy for emergency power outages. If the battery capacity is insufficient and energy is needed, then electricity can be obtained from the grid.

Graphics show how it works at: <http://www.concept-us.com/powerstation-247/how-it-works/how-it-works.html>.

About Concept by US

Concept by US was established in 2012 in the United States to revolutionize the way consumers think about solar power. Mr. Uwe Corbach, the founder of concept by US, received his degree in electrical engineering in 1978 in Germany.

Concept by Us has a simple goal: to make clean renewable solar energy accessible and easy to use for everybody. Every home and business should be able to safely use, store and take advantage of clean solar energy – day and night. With the **POWERSTATION 247** the sale of solar PV systems will continue to increase, because now the end-consumer can fully use, 24/7, the green energy their PV system is generating.

For the past five years, Mr. Corbach has put together a high-powered project team of R&D scientists and engineers, software developers, product designers and marketing professionals.

The company works with highly reputable companies and partners that have established a record of quality over the years. All products manufactured by concept by US are certified in accordance with international quality and environmental standards. The **POWERSTATION 247** is UL certified and specifically designed for the US market.

More information is available at the company's website: <http://www.powerstation247.com>.

