



Green light for QUIRINUS

Project for stability and reliability of distribution grids receives funding from the State of North-Rhine Westphalia (NRW) and the EU / STORNETIC to deliver energy storage unit

Jülich, 17 March 2017. Where does electricity come from? From the power outlet, obviously. And reliably so, always when you need it. But in order for things to stay this way, companies that deal with power grids have to come up with new ideas. That's because increasingly more wind turbines and solar plants are being connected to power supply grids while large power plants are slowly being decommissioned. Of course, the wind doesn't always blow equally strong and the sun doesn't shine 24 hours a day. This means that the current supply in the grid network from renewable energies fluctuates.

Development of a virtual power plant

One way to keep the power grids stable even when the supply fluctuates is to bundle scattered renewable energy facilities, thereby creating a power plant complex: a so-called virtual power plant. In this model, the facilities are connected to each other and are able to exchange data, making it possible to coordinate the electricity supply and demand using so-called system services and create stability.

Eight companies and two institutions have already joined forces in the region to demonstrate the effectiveness of such virtual power plants. STORNETIC (ETC) is represented in this alliance of distribution system operators, energy suppliers, research institutes and manufacturers as a flywheel storage unit supplier. The project has a budget of about six million euros and has received a grant for a total of around 2.8 million euros for its work from the EU's European Regional Development Fund (ERDF) and from the German State of North-Rhein Westphalia (NRW).

NRW Minister of the Environment Johannes Rimmel officially relayed the grant in the Düsseldorf State Parliament on 15 March 2017. The QUIRINUS project goes on for three years and will help guarantee service reliability in the future.

STORNETIC develops, manufactures and markets energy storage systems. The flywheel-based energy storage unit enables STORNETIC clients to transform electrical energy into rotation energy and store it.

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