

Rotterdam, May 18, 2017

The City of Rotterdam, Stedin and Lyv Smart Living partner with OMNETRIC Group and Siemens to implement distributed energy management system

- The City of Rotterdam, Stedin, Siemens Netherlands, Lyv Smart Living and OMNETRIC Group are partnering to support the city's aim of being energy neutral by 2050
- The solution, based on Siemens Distributed Energy Management System (DEMS), will enable the city to better manage energy demand and generation locally
- The implementation is on a scale unprecedented for Europe, with 20,000 residential and business properties to be connected to the smart grid in the next three years

18 May 2017: OMNETRIC Group and Siemens announce they have formed a partnership with The City of Rotterdam, Stedin and Lyv Smart Living, which will see them implement a distributed energy management system, across the city starting in the Merwe-Vierhavens area. The solution will enable the city to more flexibly manage energy demand and generation across the district, helping it achieve its aim of being a completely energy neutral city by 2050.

The implementation, which is scheduled to begin in June 2017, is thought to be the largest project of its kind in Europe. The city aims to have 20,000 connections (smart homes, businesses, industry, renewable production, etc) within its city limits connected to the energy sharing system in the next three years.

The Siemens-OMNETRIC Group solution will balance electricity consumption and generation helping to manage peaks in power usage and reduce congestion on the electricity grid. Increased control across the grid - as an example, Stedin, the DSO, will leverage demand response capabilities - will also allow for more renewable energy resources, such as wind and solar to be used to generate power. The solution also comprises a virtual power plant which will enable Lyv Smart Living to act as an intermediary between the distributed energy resources on the system and the wholesale market. The solution will ultimately enable an efficient and self-sufficient local energy market.

Alderman Maarten Struijvenberg, at The City of Rotterdam said, "With our four partners we have a vision of a new energy reality for our city. The distributed energy management solution will be able to improve energy efficiency and better balance our energy demands and generation. Besides the emission reductions it brings, we see an opportunity to build economic and sustainable value for the district and to expand the model more broadly across the city and surrounding areas".

Pim Spierenburg, Head of Smart Markets, EMEA at OMNETRIC Group said, “A smart grid provides regular updates on current electricity rates. Machines and appliances with embedded smart technology use that information to start working in times of abundant supply. In partnership with The City of Rotterdam, Stedin and Lyv Smart Living, Siemens and OMNETRIC Group will implement the Siemens Distributed Energy Management System to accurately control that. In parallel, the solution offers more attractive conditions for companies and private homes generating power themselves to deliver energy to the grid, enabling Lyv Smart Living to operate a local energy market. This solution is a prime example of how OMNETRIC Group is helping its customers implement new business models while facilitating the energy transition”.

Brendan de Graaf, director, Lyv Smart Living said, “Lyv Smart Living is an independent energy aggregator and a new player in the energy landscape. We are excited to work with OMNETRIC Group and Siemens on a solution that will enable the creation of new energy-related services for Rotterdam’s residents and local businesses, as well as for the regulated network operator, Stedin, with which we are closely collaborating”.

Today’s announcement reflects OMNETRIC Group’s recent finding that European communities have a growing appetite and competence for managing their own energy system. The trend, coined “Community Energy”, and its implications for European utilities were explored in OMNETRIC Group’s recent ‘[Power to the People](#)’ whitepaper, which can be downloaded [here](#).

Contact for journalists

Julia Clarke

Phone: +44 7926 171 316; E-mail: Julia.clarke@missive.co.uk

About OMNETRIC Group

OMNETRIC Group is dedicated to the global delivery of integrated information technology and operational technology solutions and services, helping utility companies to achieve greater grid reliability and efficiency. OMNETRIC Group is a joint venture between Siemens AG and Accenture. Combining Siemens' leading energy technology product portfolio with Accenture's systems integration, consulting and managed services capabilities, OMNETRIC Group can support clients with innovative solutions wherever they may be on their path to a smarter grid. For more information, visit www.omnetricgroup.com