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## Ericsson chosen by European Commission for key utilities projects

- Ericsson awarded two European Commission funded projects as part of the Horizon 2020 Programme
- SUCCESS and RE-SERVE research and innovative collaboration projects focused on developing new 5G solutions to meet the challenges faced by utilities companies
- Field trials to take place in Ireland, Romania and Italy in collaboration with project partners

Ericsson (NASDAQ: ERIC) today announces it has been awarded two European Commission funded projects as part of the Horizon 2020 Programme. Collaborating with its partners in the utilities sector and academia, Ericsson will undertake innovative research using 5G technologies to solve the challenges faced by the utilities industry today.

SUCCESS is one of the projects aimed at developing new solutions based on 5G technologies to ensure the security of energy networks and grids with a particular focus on smart metering. The project has 16 partners from industry, academia and utilities and runs for duration of 26 months, and started on May 1, 2016.

The other project, named RE-SERVE, is aimed at developing new techniques and solutions based on 5G technology to assist energy providers with balancing the voltage and frequency of the power grid to maintain a stable power supply to society, while at the same time increasing the proportion of power generated by volatile renewable energy sources such as solar and wind energy. With duration of 30 months and 11 partners from industry, academia and utilities, the project started on October 1, 2016.

Ericsson Eurolab in Aachen, Germany, will take the lead on both projects, with Professor Antonello Monti from the RWTH Aachen University as the Technical Manager.

Electrical Supply Board Networks (ESB Networks), a leading company in the energy sector in Ireland at the forefront of smart metering activities, is a key partner across both projects and will implement trials in the resulting solutions from the projects in their home market.

Marguerite Sayers, Managing Director, ESB Networks, says: “Smart energy networks are key to successfully integrating high levels of distributed renewable energy, electric heating and electric transport, and thereby help to deliver a decarbonized future. Advances in smart networks can only be made through pioneering thought leadership and the adoption of next generation technologies.

“Through this collaboration, ESB is engaging with Ericsson, a world leader in communications technology, and European academia, to develop and trial new technologies

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and standards which will advance the long-term sustainability of the energy industry. Both SUCCESS and RE-SERVE are pioneering projects which will help ensure the security and resilience of energy networks through the transition to decarbonization. This partnership demonstrates ESB Networks' commitment to achieving innovative solutions, exploiting new technologies and methodologies to deliver for both our customers and future societies."

Charlotta Sund, Head of Customer Group Industry & Society, Ericsson, says: "With the ongoing transformation of all industries being enabled by 5G, the Internet of Things and Cloud technologies, Ericsson is committed to engaging with leading industry partners in researching and innovating for the world in which everything that can benefit from a connection will be connected. We are delighted to be working with leading utilities and research institutes in exploring and solving the challenges associated with such key issues as cyber security and managing the utilization of maximal renewables while maintaining grid stability and security of supply."

Professor Antonello Monti, Technical Manager, RWTH Aachen University, says: "Future grids will be customer-centric infrastructures: end-users now prosumers will interact with grid operations. RE-SERVE and SUCCESS are two perfectly complementary projects to paint the picture of these futuristic systems. While RE-SERVE will define how the technical interaction should happen, SUCCESS will define how to make sure this interaction is secure, where the end goal is to create a flexible and secure system ready for a carbon-free society."

The partners in the SUCCESS project are:

Ericsson GmbH, ASM Terni SpA, KEMA Netherland BV, ECRO SRL, Electrica SA, Engineering-Ingegneria Informatica SPA, ESB Networks DAC, Istituto Superiore Mario Boella, Kungliga Tekniska Hogskolan, OY L M Ericsson AB, P3 Communications GmbH, P3 Energy & Storage GmbH, Rheinisch-Westfaelische Technische Hochschule Aachen, Synelaxis Solutions Ltd, TeamWare SRL, Vrije Universiteit Brussel.

The partners in the RE-SERVE project are:

Ericsson GmbH, Compania Nationala de Transport Alenergiei Electrice Transelectrica SA, Centrul Roman al Energiei (Romanian Energy Centre), ESB Networks DAC, Flexible Elektrische Netze GmbH, GridHound UG, Politecnico di Torino, Rheinisch-Westfaelische Technische Hochschule Aachen, Universitatea Politehnica din Bucuresti, University College Dublin, National University of Ireland, Waterford Institute of Technology.

### NOTES TO EDITORS

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*Our services, software and infrastructure – especially in mobility, broadband and the cloud – are enabling the telecom industry and other sectors to do better business, increase efficiency, improve the user experience, and capture new opportunities.*

*With approximately 115,000 professionals and customers in 180 countries, we combine global scale with technology and services leadership. We support networks that connect more than 2.5 billion subscribers. Forty percent of the world's mobile traffic is carried over Ericsson networks. And our investments in research and development ensure that our solutions – and our customers – stay in front.*

*Founded in 1876, Ericsson has its headquarters in Stockholm, Sweden. Net sales in 2015 were SEK 246.9 billion (USD 29.4 billion). Ericsson is listed on NASDAQ OMX stock exchange in Stockholm and the NASDAQ in New York.*

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