

Innovating the electricity grid of the future

Red Eléctrica launches the Grid2030 programme to promote innovation in the electricity system

Madrid, Spain – 23 November, 2017

The programme, developed in collaboration with [InnoEnergy](#), will have a duration of four years and has an initial budget of two million euros.

[Red Eléctrica de España](#) has today launched Grid2030, a collaborative innovation programme to promote long-term research through open calls for technological initiatives applied to the transmission grid that have a direct impact on the efficiency and sustainability of electricity systems.

The Grid2030 programme will last four years and has been earmarked an initial budget of two million euros that seeks to promote or boost projects that respond to the major challenges that the development of the grid of the future will face. During the first phase, it is foreseen to deploy the power electronics technology or devices, and also address the development of new resources that may help to ensure the flexibility of the electricity system and which are compatible with a zero CO2 emission energy model.

The main goal is to reduce costs and increase the efficiency and sustainability of the electricity system, as well as, on the one hand, improve the performance of the transmission grid through the development of power electronics and, on the other, promote advances in the control and integration of renewable generation through the use of new or improved components and storage infrastructures that increase the flexibility of the electricity system as a whole.

Both the structure of the programme and the technological challenges have been jointly defined with InnoEnergy, which contributes its experience in the management of innovation support programmes and in the transformation of the results of these projects into products and services.

The programme initially consists of two open calls for proposals targeted at entrepreneurs and innovators from public and private entities, universities, research centres and European

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InnoEnergy is supported by the EIT,
a body of the European Union

companies that are currently working on the development of technological products and services in their initial phase.

The first open call begins today and will be open until February 2018. During this period the initiatives submitted will be registered and support will be given throughout the process, answering questions and doubts, and guiding and helping the participants to prepare the best proposals.

Subsequently, the most promising candidacies may team up with other organisations and present an integrated proposal to achieve a project with greater impact.

The execution phase will commence as of June following a selection process which will have determined which projects have the greatest potential and will receive financial support from Red Eléctrica in addition to having InnoEnergy's technical assessment and support in the management thereof.

With the Grid2030 programme, a worldwide pioneering initiative begun in Spain, Red Eléctrica and InnoEnergy are teaming up on a multi-year collaboration that will explore socio-economic and technical innovations related to the electricity system operation and transmission of electricity and that will support the development and early commercialisation of applications based on cutting-edge technology, thus accelerating its deployment and maturity through the participation of different companies and industries.

With this initiative Red Eléctrica responds to its innovation strategy, which aims to achieve a position of international reference in this area, anticipating the future of electricity systems and accelerating the development of technological solutions that could have a significant impact on the activity of the Company, as the Spanish transmission agent and electricity system operator (TSO).

More information about [Grid2030](#) programme on the website of Red Eléctrica de España.

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About InnoEnergy

InnoEnergy is the innovation engine for sustainable energy across Europe supported by the EIT.

We support and invest in innovation at every stage of the journey – from classroom to end-customer. With our network of partners, we build connections across Europe, bringing together inventors and industry, graduates and employers, researchers and entrepreneurs, businesses and markets.

We work in three essential areas of the innovation mix:

- Education to help create an informed and ambitious workforce that understands the demands of sustainability and the needs of industry.
- Innovation Projects to bring together ideas, inventors and industry to create commercially attractive technologies that deliver real results to customers.
- Business Creation Services to support entrepreneurs and start-ups who are expanding Europe's energy ecosystem with their innovative offerings.

Bringing these disciplines together maximizes the impact of each, accelerates the development of market-ready solutions, and creates a fertile environment in which we can sell the innovative results of our work.