

What drives the development of smart grids and smart meters in Argentina?

The recent approval of national laws to regulate distributed generation, the promotion regimes for the use of renewable energy sources, and initiatives to improve the supply of electric energy are key factors that drive the development of smart grids and smart meters in Argentina for the coming years.

How has the electricity grid evolved in Argentina?

The electricity grid of Argentina, one of the biggest of the region, has started its evolution to the smart grid by means of many independent and not coordinated pilot projects spread across its geography. A brief review of the present situation is summarised as follows: Armstrong

Who selected Buenos Aires for a smart grid pilot project?

This town of the province of Buenos Aires was chosen by the working group composed by the National Energy Secretariat, ADEERA, INTI and CAMMESA to carry out a smart grid pilot project.

What is the future of smart meters in Argentina?

The future Smart meters are the key devices for the implementation of a real smart grid. The present scenario in Argentina is the existence of many pilot projects of limited scope, without a global coordination between them.

Where is a smart grid being developed?

The town of Centenario (province of Neuquén, ~35,000 inhabitants) is the place where another integral smart grid project is developing.

What is a smart grid guide?

The guide, in form of a matrix, will be composed of eight domains and six maturity levels. Each domain is a logical group of Smart Grid related characteristics. The levels of maturity represent defined stages, described in terms of organizational capabilities. Level 0 means the start point and 5, pioneering.

As more renewable energy is fed into the Argentinian grid, the impetus to implement smart grid technology is increasing. Yet, coordination on a national scale remains a challenge, along with a lack of incentives from government to encourage implementation.

A "Smart Grid" - one that links innovative information and communication technologies with traditional electricity components - will deliver intelligent and highly automated grid maintenance and management.

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**SMART GRID DEFINITION** AEA defines Smart Grid as “a combination of the traditional grid with modern information and communication technologies. Smart Grid can integrate data from different points of the electric chain, from the generator to the end user, and transform them into information and actions that lead to improved management.

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Advancing smart grids will be important for Latin America as part of its energy transition away from fossil fuels. A smart grid would allow increasingly large proportions of renewable energy to be integrated into the national energy system, as well as reliably powering a large fleet of electric vehicles.

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