



Rome smart grid





Overview

In Rome, Acea's Smart Grid project aims to modernize its electrical grid by integrating renewable energy sources, improving energy efficiency, and providing backup power during outages. This innovative approach will benefit both residents and businesses in the metropolitan area. To this end, the JRC and ACEA - one of Italy's biggest Distribution System Operators (DSOs), in charge of managing the distribution system of Rome - teamed up to study the merits of deploying Smart Grid technologies (preliminarily tested in a pilot project) in a big city like the Italian capital. Areti is committed to optimising energy efficiency and reducing waste thanks to technological innovation. As of 31 January 2024, one million new smart meters have been installed on Rome's electricity grid. This was communicated by Areti, a company of the Acea Group that deals with the distribution. Siemens and Roman DSO, Areti, have announced their collaboration on the RomeFlex project, which starting today will test the ability to manage congestion and voltage volatility across the stressed power grids of Italy's capital city. Leveraging Siemens' digital expertise and software, Areti is. In the heart of Rome, Paola Campana, a researcher at Sapienza University, is unraveling the future of energy.



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[Rome Takes Its First Steps Towards The Smart Grid](#)

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Rome's Smart Grid Revolution: AI & IoT Pave Green Energy Path

Her latest study, published in the journal Energies, delves into the transformative power of smart grids and digital technologies, offering a roadmap for a more sustainable and resilient ...



Siemens collaborates with Areti on RomeFlex project to enable local

Siemens and Roman DSO, Areti, have announced their collaboration on the RomeFlex project, which starting today will test the ability to manage congestion and voltage volatility across ...

[Rome takes steps to build resilience in its energy grid](#)

Siemens and Roman distribution system operator (DSO), Areti, have announced their collaboration on the RomeFlex project, which will test the ability to manage congestion and voltage ...



Acea launches a project to deploy interactive technologies between ...

Acea was awarded European funding for a project to develop and test a cutting-edge technological solution in Rome. The solution will enable flexible mechanisms for the electricity ...

Rome's V2B Breakthrough: Smart Grids Meet Electric Vehicles

In the heart of Rome, a groundbreaking experiment is unfolding at the LAMBDA lab of Sapienza University, where researchers are reimagining the way energy flows between electric ...



A Smart Grid for the city of Rome: a Cost Benefit Analysis

This study illustrates the outcome of the application of the JRC Cost Benefit Analysis (CBA) to a) the ACEA Smart Grids pilot project; and b) the planned deployment of Smart Grid technologies (tested in ...



Acea, one million new smart meters



installed on Rome's electricity grid

As of 31 January 2024, one million new smart meters have been installed on Rome's electricity grid. This was communicated by Areti, a company of the Acea Group that deals with the distribution of ...



Flexibility Needs of Rome's Power Grid in Energy Transition

Growing demand for renewable energy and electricity necessitates a shift to decentralized smart grids, where customers actively participate alongside multiple local energy sources. Prosumers must ...

Areti surpasses 1 million smart meter milestone in Rome

Acea distribution company Areti announced that as of 31 January 2024, one million smart meters were installed on Rome's electricity grid.





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