SIEMENS

Towards the energy community of the future – **sustainable lifestyle in UpTown**

EuroMilano

EuroMilano S.p.A. is a real-estate consulting, promotion, and development company that carries out cutting-edge real-estate development projects. The redevelopment plan for the Cascina Merlata area has led to the creation of the first smart city district in Milan and Italy – an ideal environment designed to benefit its residents.

Solution / portfolio

A major pilot project, launched in 2016 and called "Sustainable Lifestyle: Merlata Smart Grid", has been implemented within the UpTown district. The project was subsidized by the Lombardy Region and includes technological contributions from Politecnico di Milano, FEA2, Siemens, and Vodafone Business. It has enabled the design and development of an innovative, highly integrated multi-carrier smart grid that serves seven buildings in the area.

Benefits

The smart grid enables remote management of the buildings' HVAC systems as well as real-time fault identification, which result in minimized costs and maintenance time. Using field data analysis, a single energy management system monitors, manages, and optimizes the operation of the complex energy system, in this way enabling energy savings and sustainability while ensuring a high level of comfort for the residents. A software application for mobile devices helps residents monitor their individual energy consumption and ambient conditions within their homes.

siemens.com/city-districts

"We've developed the smart city concept into a "well-being city" concept in order to offer people a better quality of life."

Attilio Di Cunto, CEO EuroMilano S.p.A.

A pilot project to enable an increasingly smart, sustainable, and integrated model of future living.

Location: Milan, Italy

Highlights:

- Siemens technology for the first "energy community" in the new UpTown city district

- The smart microgrid interconnects seven buildings in the smart city district

- Integration of Desigo CC and DEOP platforms for building energy management and optimization