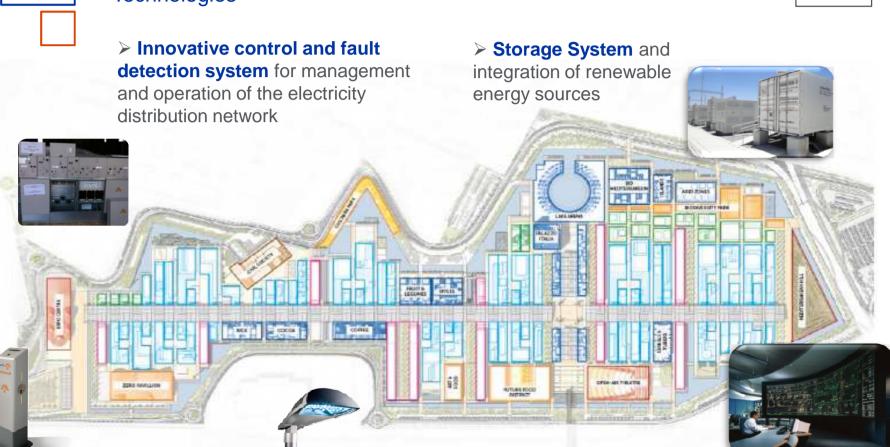


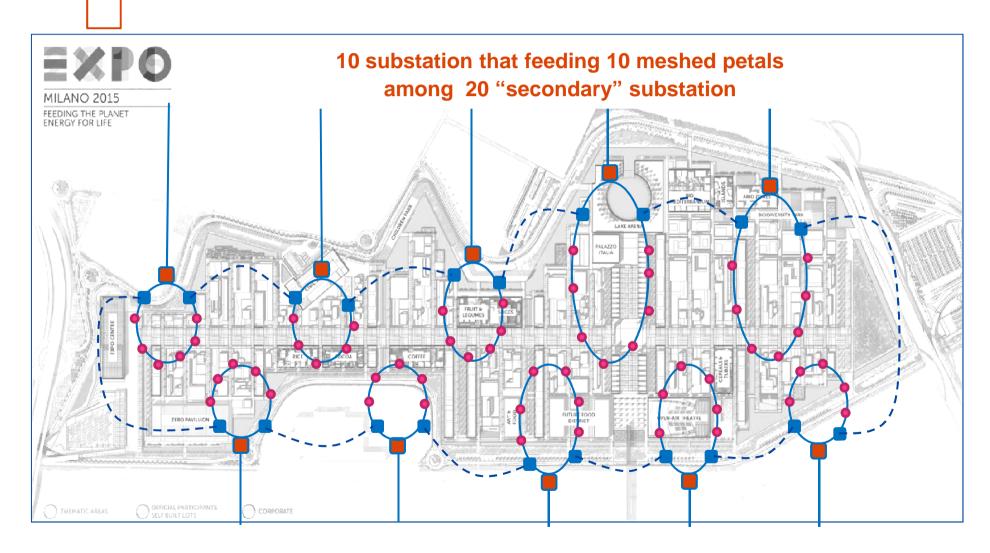
Expo 2015

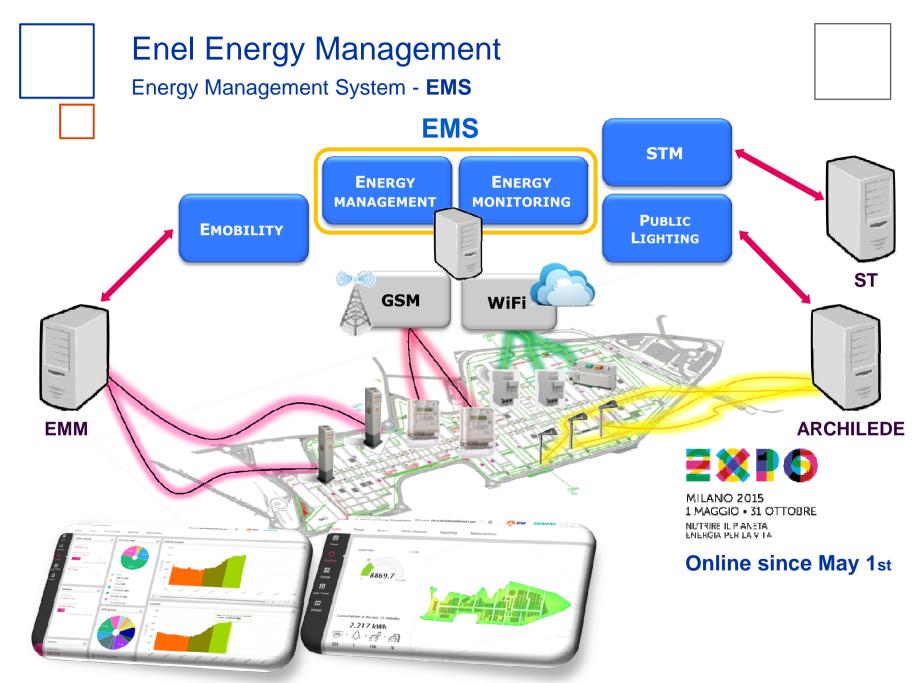
Technologies

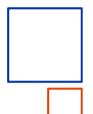


- ➤ Enel electric mobility infrastructure (with Pole Charging Stations) to recharge the Expo Electrical Vehicles
- ➤ 8.500 lighting points LED technologies with high efficiency
- > Operation Center to monitor and control all the electrical parameters

Expo 2015 Configuration





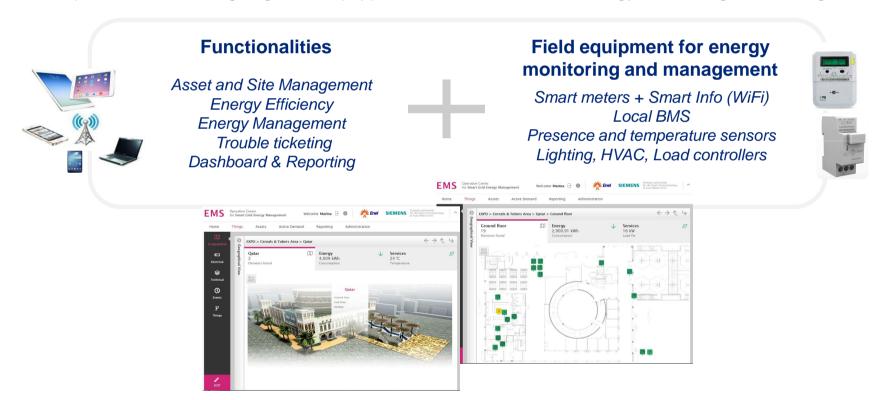


EXPO 2015

An innovative system for energy efficiency

The system is designed to enable energy efficiency management in a smart city environment

The exposition areas are going to be equipped with field devices for energy monitoring and management



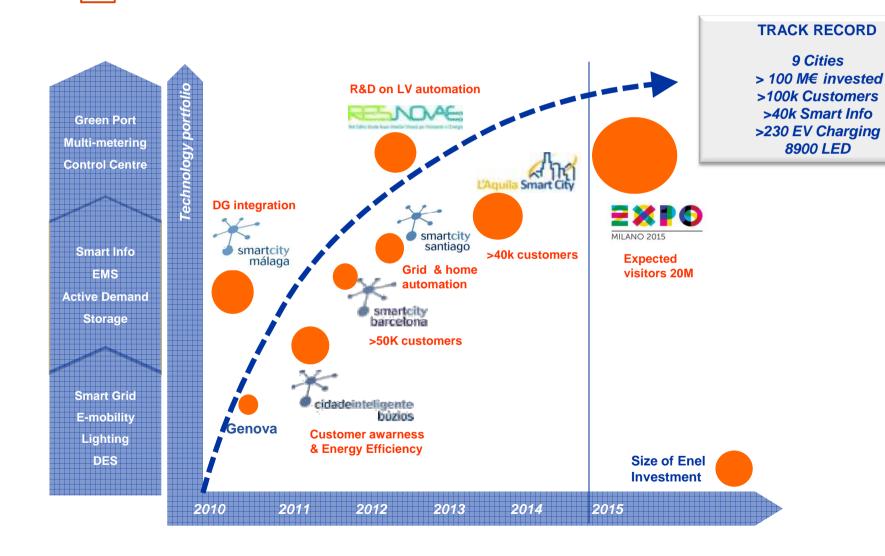
The system is conceived to manage multivendor devices, to be multitenant, to serve different stakeholders (e.g. customers, asset managers, ESCOs, retailers) and to offer targeted services



Enel Smart City Main Reference

Worldwide consolidated track record







Smart Cities projects in Italy L'Aquila





Large scale demonstration project

 Budget: 16M€ – Funded by Italian Ministry of Territorial Cohesion







L'Aquila – 40,000 customers involved. Scope:

- Network Enhancement aimed at Smart Grids: 6 PS / 380 SS
- Development of 50 charging infrastructure for EV
- Widespread installation of Smart Info 40,000
- Fiber Optics for grid applications







Expected Annual CO₂ emission savings 90,000 ton



RES NOVAE

Most innovative and integrated Smart City pilots in Italy

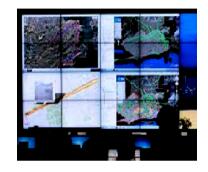


R&D Project

- Coordinator: Enel Distribuzione S.p.A; Main partners: General Electric Transportation Systems, IBM Italy, Polytechnic of Bari, National Council for Research, ENEA
- Budget: 24M€ -Co Funded by Italian Ministry of Research







Energy Box and BEMs Urban Control Center

To enable Active Demand Citizens play a central role in the project



Smart Grid

To achieve an advanced monitoring and control model for the LV grid, optimize energy flows, RES and Storage

To enable new services for citizens and Local Authorities

(LAs)



Show Room

Aimed to increase citizens participations

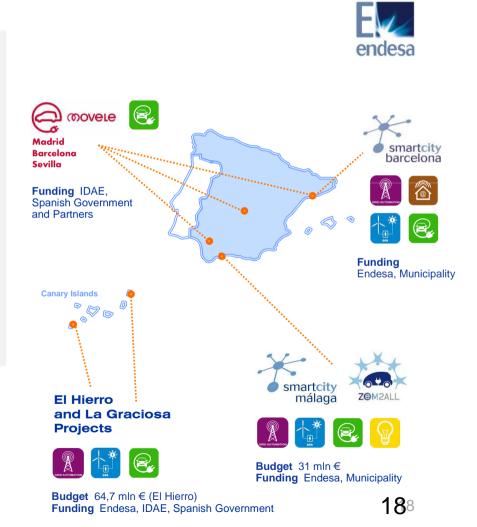


Smart City Best Practices

Ongoing Smart City Projects - Spain and LATAM











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