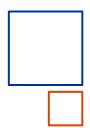
**ENEL: Electric Mobility Solution** 

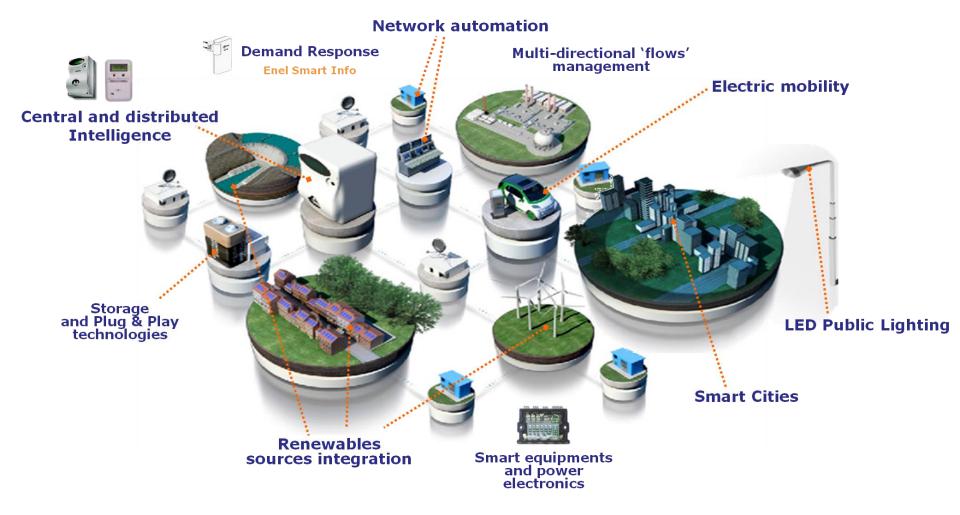
**July, 2015** 

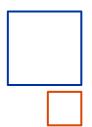




# Enel Electric Mobility Solution Enel Distribuzione Smart Grids technology





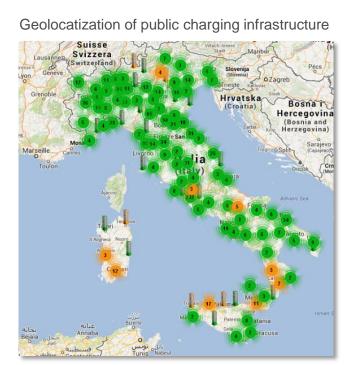


### Enel Electric Mobility Solution E-mobility engagement overview



An extensive deployment of charging points by Enel to support electric mobility rollout in Italy

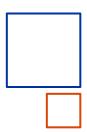
Fast Charge for highways 43 kW AC



More than **2,000 EV** stations deployed **1000+ customers** in Italy



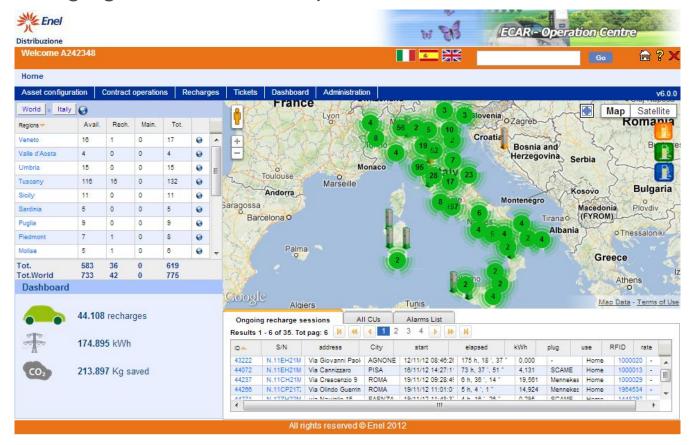
43 kW AC, 50 kW DC, 22 kW AC

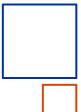


### Enel Electric Mobility Solution Flexible IT asset operation and management



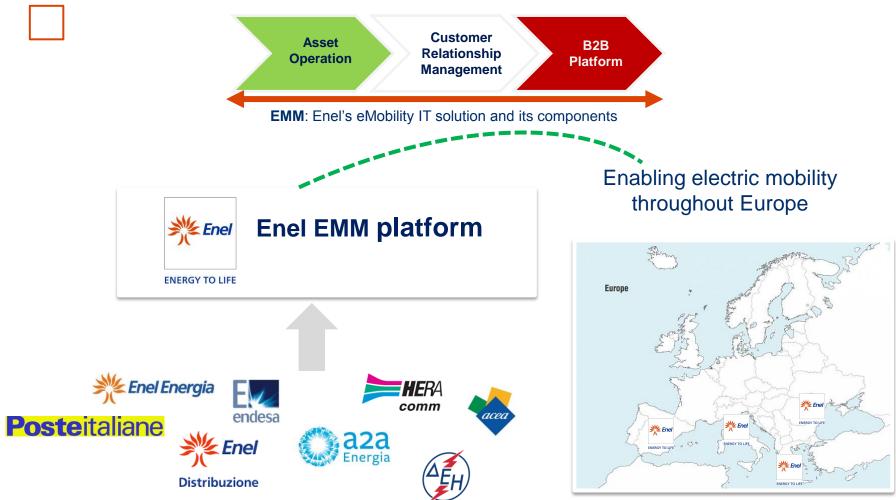
A real-time operation and management of EV charging infrastructure to provide **B2B and B2C services** 



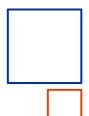


## Enel Electric Mobility Solution Multi-tenancy for asset management, CRM and B2B



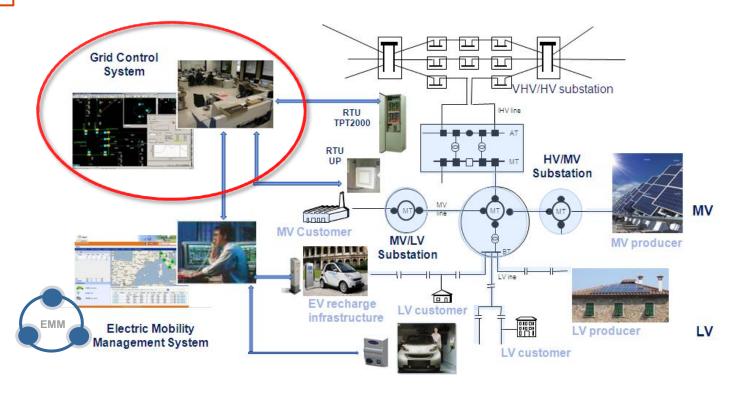


Our Platform is serving customers in several countries

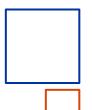


## Enel Electric Mobility Solution The approach for Smart Grids integration of EVs





The charging infrastructure is designed on purpose to be fully integrated in the **electricity distribution grid**, controlling that the charging profiles are compliant with DSO constraints and using EVs as dynamic loads to implement, improve and secure a GHG-free energy value chain.



2014

### **Enel Electric Mobility Solution** EU wide interoperability

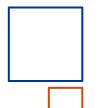






Enel was **Demo Regions Board Leader** and managed the business scenarios demonstration, including roaming.

Green eMotion proposed the definition of Customer Card and Contract standards, too. ENEL - Electric Mobility **USE: CONFIDENTIAL** Infrastructures & Networks

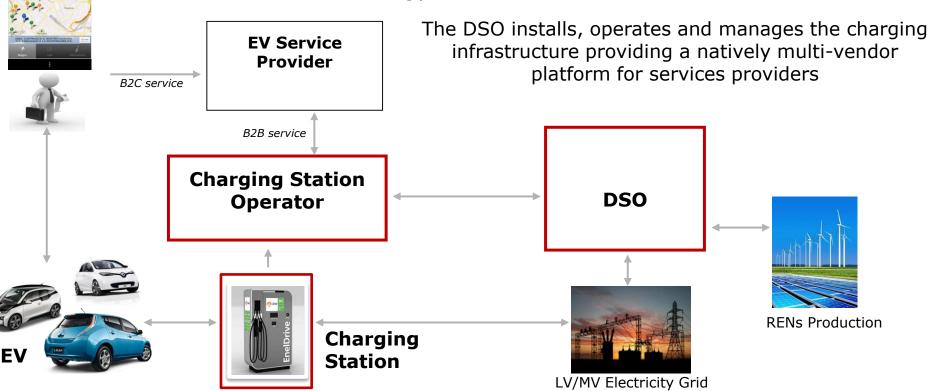


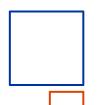
## Enel Electric Mobility Solution Regulated model of EV stations deployment



Possible target: **75,000 public stations** by 2020 in Italy

An **infrastructure run by DSO** as key enabling strategy for market rollout and valuable B2C services





## Enel Electric Mobility Solution Regulated model of deployment: preconditions





**85% of distribution market in Italy** (most of the country except for Rome, Milan and Turin)



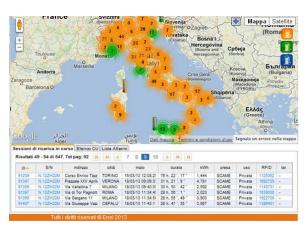


#### 34 Mln of smart meters deployed

Single country in Europe with complete rollout of AMI

#### 2,000 public/private EVSEs deployed

Real-time operated by a dedicated e-mobility platform



### Pioneering the EV-EVSE communication

Jointly developing advanced communication with Daimler, Renault







### Thank you for your attention!