



Selex ES

BACKGROUND

Selex ES, a Finmeccanica company, is a global leader in electronics and information technologies for defense, aerospace and security with a focus on sustainable “Smart” solutions. They provide complete solutions ranging from design and development to end-deployment. With a focus on the most demanding applications, they are equally demanding of their technology partners.

NEED FOR A UNIFIED PLATFORM

An enormous challenge lies in finding a sustainable and innovative solution to the industrialised patterns of production and consumption in our cities. As a specific scenario, the goal was to create an integrated solution for electro-mobility, and the management of an energy grid in a municipal area. The major parts of the challenge concerned the heterogeneity of data sources coming from sensors, CRM and support equipment scattered throughout the area. Added to this, was the need to manage massive data volumes while guaranteeing data privacy. All of this combined to provide a Smart Charging solution through end user incentives so as to enable the usage of electric vehicles as support for energy grid loading needs.

THE ANSWER LIES IN PLAT.ONE

PLAT.ONE was implemented as a unified data collector managing the data streams coming from charging stations, electric vehicles, sensors on location, user incentive plans and other external services. It was also important to ensure high levels of security with regards to end-user’s data management and data privacy in conformance with legal policies. PLAT.ONE’s Service Enablement features were leveraged to manage Electric Vehicle domain specific policies. This was then used to generate events and redistribute analysis results across different contact endpoints. Thanks to such a platform Selex ES was able to turn a car sharing solution into an IOT optimised and innovative service that results in benefits not only for the municipality but also for citizens:

- Lower impact on the environment due to reduction in CO₂ emissions
- Higher profitability of car sharing
- Higher service levels
- Reliability & Expandability

