

CASE STUDY

MOBI.E: MORE AND BETTER DATA CONTROL

With support of Noesis, Mobi.E - responsible for the management and monitoring of the electric mobility network, implemented an interactive data portal, providing on-time data and information to all its stakeholders. This mirror of the network's status and evolution increased our client's productivity.

Sector

Public Sector

Delivery Unit

Data Analytics & AI

Solution

MOBI.Data



THE CHALLENGE

Our client wanted to aggregate electric mobility data — specifically, information on stations and energy charging (both energy quantity and energy used). This data, provided by the operational systems, would be used to calculate indicators accessible through the Mobi.E portal.

"Mobi.E needed a tool that would give us the autonomy and flexibility to analyze network data from different angles and perspectives"

Luis Barroso
MOBI.E CEO

GOALS

With this project, our client was seeking to:

- › **Obtain and provide** data and information more quickly and efficiently, both internally and to customers;
- › **Speed up** the report production and its distribution among the stakeholders;
- › **Autonomy and flexibility** to analyze network data from different angles and perspectives.



SOLUTION

To develop the MOBI.Data portal, we leveraged the power of the Qlik platform, incorporating both Qlik Sense and QAP (Qlik Analytics Platform).

Our data extraction and transformation processes, essential for achieving our objectives and generating the intended indicators, were exclusively developed in Qlik Sense. These processes are executed daily, covering all data related to charging and consumer information.

In addition to top-up data, Qlik Sense seamlessly integrates data from stations at 5-minute intervals through a web service, providing real-time insights into the status of the electricity grid in Portugal.

Once data extraction and transformation were complete, we designed visualizations and crafted key performance indicators (KPIs) to effectively showcase crucial information regarding the network's status, historical charging trends, environmental impact, and other interesting insights.

To make these KPIs and other pertinent information readily accessible via the MOBI.Data portal, we employed QAP. This enables us to effortlessly manage and embed indicators within web pages using intuitive Mashups.

THE RESULT

The implementation of this solution allowed our client to:

- › Improve the analytical experience for Mobi.E and other users, empowering them to conduct new analyses and address additional questions;
- › Utilize interactive dashboards that not only facilitate real-time updates on the network's status evolution but also provide valuable insights for analysis.



Mobi.E, S.A., is a state owned company that has acted, since 2015, as the Managing Entity of the Electric Mobility Network (EGME), taking responsibility for the management and monitoring of the network of electric charging stations, particularly in terms of energy, information and financial flows. Mobi.E plays a driving and facilitating role in the transition to electric mobility in Portugal, acting as the public instrument for the development of sustainable mobility.



Noesis is an international tech consulting company offering services and solutions to support clients in their business and digital transformation. Noesis solutions focus on infrastructures, software, quality, and people. The organization is based on highly specialized talents, operating in nine business units and six countries: Portugal, Spain, the Netherlands, Brazil, Ireland, and The USA. Since 2020, Noesis has joined Altia, listed on The Alternative Equity Market, an organization with over 2000 employees, 3 Datacenters, and 20 offices.



Noesis' partnership with Qlik started in 2010 with the development of Data Analytics & AI business area. Noesis was the first Portuguese consultancy to obtain the "Elite Solution Provider" distinction in 2015 and has received frequent recognition from this partner. Noesis has more than 40 specialized Qlik consultants, two Qlik Luminary awards and has implemented this technology in 60 clients.