



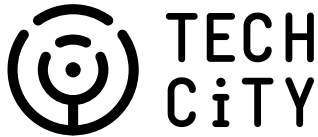
AVEIRO
STEAM CITY



distribuição

Aveiro Urban Challenges

CHALLENGE EDP Distribuição



Partner

EDP Distribuição

Contact Partner for Challenge Development

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Challenge

Smart Energy Networks

Challenge´s Scope

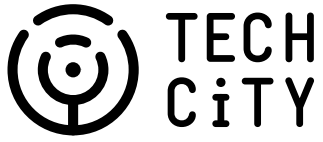
The current context of electric networks, accentuated by demanding challenges such as market liberalization, distributed production, the emergence of self-consumption, demands flexibility and an increasingly active role of customers. This situation reinforces the need to adopt innovative strategies and disruptive technologies in the management of the distribution network.

Challenge Development

Regarding the smart grid infrastructure (AMI), EDP Distribuição has already implemented a comprehensive package of features to support infrastructure operation (such as monitoring EB status, consulting ICP status, new DTC configuration rules), fraud detection (new event correlation rules) and network operation (SmartPing - fault detection flow based on analysis of electrical quantities to neighboring equipment). Regarding the management of the electric network, EDP Distribuição upgraded the contact center support system (EDP Contact) to record faults in consumption places, street lighting and network anomalies, and redesigned the entire graphical interface and incorporated several new features such as georeferencing of breakdowns.

The driving map has been put into operation with an easy and intuitive visualization of the incidents in the grid. Critical functionalities in the DPLAN system for network planning, technical simulations, network analysis and power transits, dynamic tariffs, among others, were also completed.

In short, the goal is to find new solutions for Smart Energy Networks that range from the creation of strategic development plans for innovative infrastructure and network architecture, to the provision of specific functionality.



Partner Mentor

Engº Belarmino Coutinho