

EV CHARGER MANAGEMENT - CIRCONTROL

BUSINESS CHALLENGE

As global sales of electric powered vehicles (EV) are expected to climb to 2 million new vehicles in 2019, EV charging infrastructure is becoming more and more crucial in global shift towards more environmentally sustainable future.

Circontrol eMobility solutions can be found in 52 countries with 30.000 charging points and 400.000 parking spaces managed with COSMOS & CirPark systems. Service is extremely important for the company and its clients, therefore qualified aftersales service and a constant training for Circontrol partners are in company's DNA.

However, in order to meet high reliability and cost-efficient management requirements of the EV charging operators Circontrol turned to Teltonika to assist in providing secure and functional communication hardware for the task.

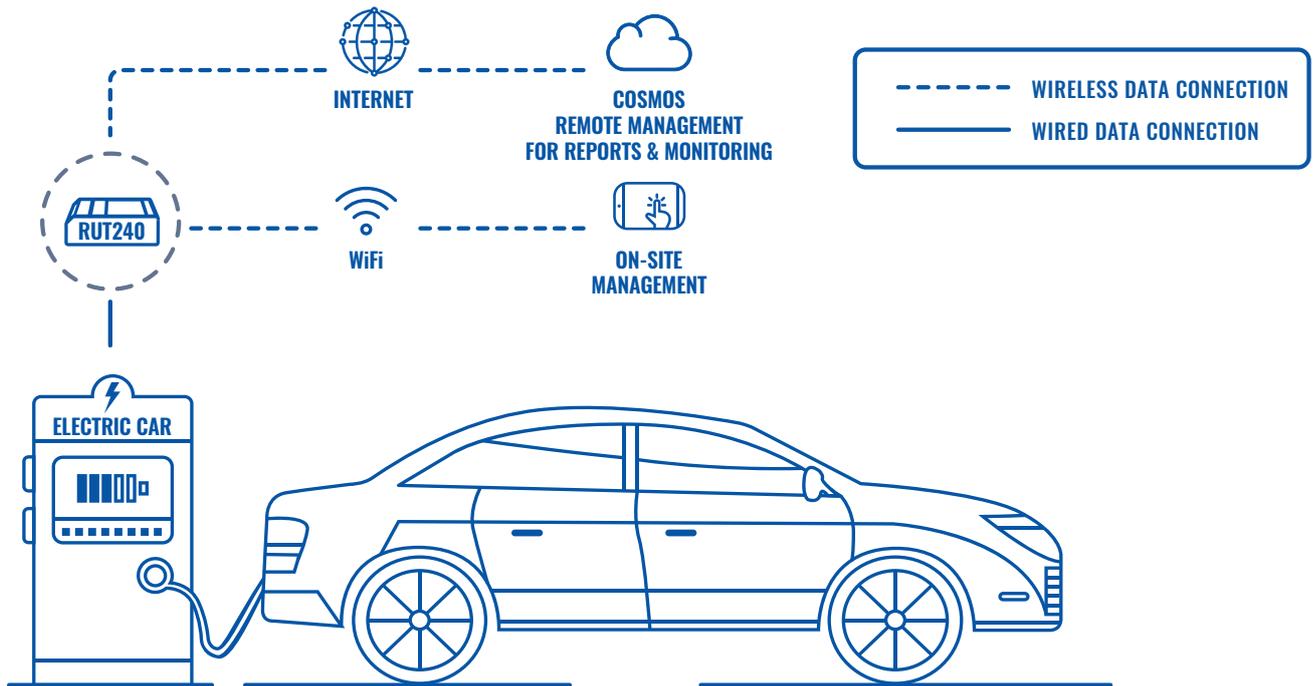
PARTNER -



Circontrol is a company founded in 1997 with headquarters in Viladecavalls (Barcelona). Separated into two divisions: Parking and eMobility, Circontrol designs and manufactures smart global solutions for efficient parking and a wide range of EV charging products that cover all market needs including domestic charge, slow charge (AC) and quick charge (DC). Circontrol is globally focused company with 80% of the sales done outside Spain.



TOPOLOGY



SOLUTION

Circontrol's DC quick charging station is a complex and comprehensive hardware and software solution connected to Circontrol's advanced "COSMOS" cloud based platform. It is used to collect and store data from a specific set of EV chargers for monitoring and reporting. In addition it allows operators to address different actions such as subscribe and unsubscribe users and manage their permissions and profiles as required.

EV charger log is also included with a goal to reduce the fault resolution time, obtaining quick diagnosis if any charger is not working as it should. Teltonika RUT240 is a crucial intermediary between EV charger, platform and the operator to ensure that Circontrol's EV chargers are always operating to their full potential. The router provides stable and secure connection via LTE to Circontrol's platforms. In addition WiFi hotspot functionality allows simple on-site inspection and management of preferred settings.

WHY TELTONIKA?

Functionality, size and reliability were the main factors in choosing communications hardware for Circontrol. Teltonika's RUT240 managed to address all requirements of the client and lower the time-to-market and implementation costs. Additional WiFi access point & Hotspot functions were highly desired to enable on-site operators to quickly and conveniently inspect and manage preferred settings of EV chargers.

