



c|side

ELECTRIC VEHICLE

CSide, Intelligent Solutions

Worldwide sales of pure battery electric vehicles (excluding hybrids) grew by approximately 45% in 2016. With EVs becoming mass-market products, consumer interest in purchasing an EV has increased lately and it is greatest among young adults.

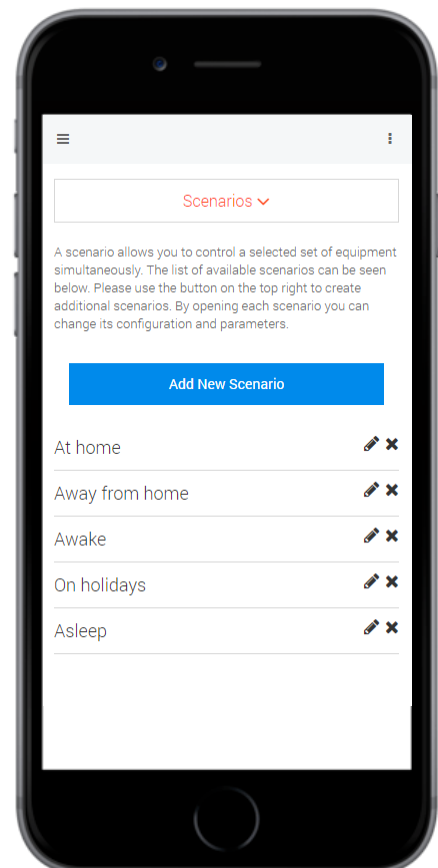
The Electrical Vehicle Application is a solution designed for service providers to engage their customers that own an electric vehicle, and in this way reduce churn. Consumers now expect intuitive management tools for their smart devices, including cars, which makes this application the right software to meet those expectations.

Finally, EVs represent a big strategic opportunity for utilities as they are valuable load-managing resources. This solution can remotely control the cars' charging times and therefore help balancing loads at peak times.

FEATURE LIST

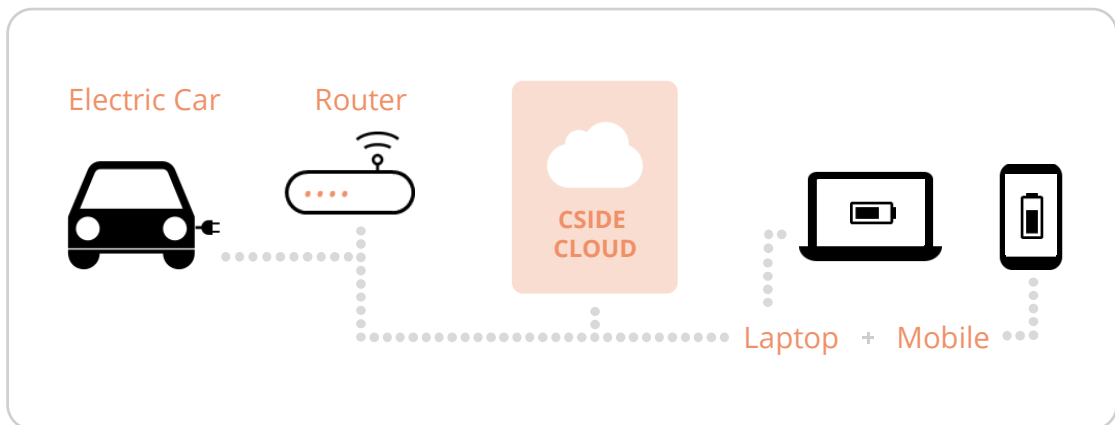
The following key features are included in the Electric Vehicle Application:

- ✓ Set the status of the car to charging or stop charging remotely;
- ✓ Charts showing the charging cycles of the car;
- ✓ Choose a charging schedule so that the car is automatically charged at a particular time and day;
- ✓ Energy efficiency tips regarding renewables, such as maintaining solar panels and electrical vehicles;
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HOW DOES IT WORK?

The Electric Vehicle Application allows consumers to monitor and interact with their car's charging. The charging aspect is controlled by a charging station that communicates with CSide via our cloud. Consumers can then access the dedicated portal from their internet-connected devices.



TECHNICAL DETAILS

DEVICES

The car's charging station should have Wi-Fi or at least some device that enables its communication to CSide's cloud services.

CONNECTIVITY

The connection should be done through Wi-Fi.

BATTERY LIFE

Depends on the type of battery, size, operating conditions, and pack configurations but a battery should last 8-10 years, or approximately 160 000 km.

SERVICE DELIVERY PLATFORM

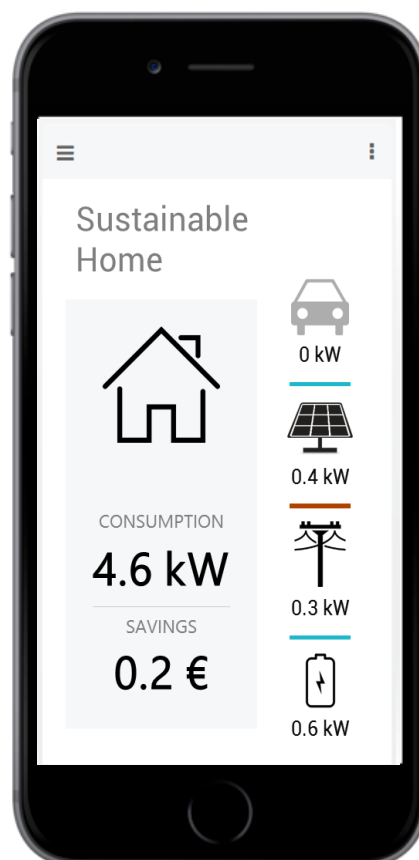
The Energy Production Application is built into the Service Delivery Platform (SDP) as one of its many vertical solutions. The various applications within SDP work in parallel and each service can be activated or deactivated according to the needs of each customer.

SDP provides value-added services from managing energy consumption and production to advanced automation, cloud-based video surveillance and even heating management. Back office maintenance and operation tools ensure a great experience while managing thousands of customers.

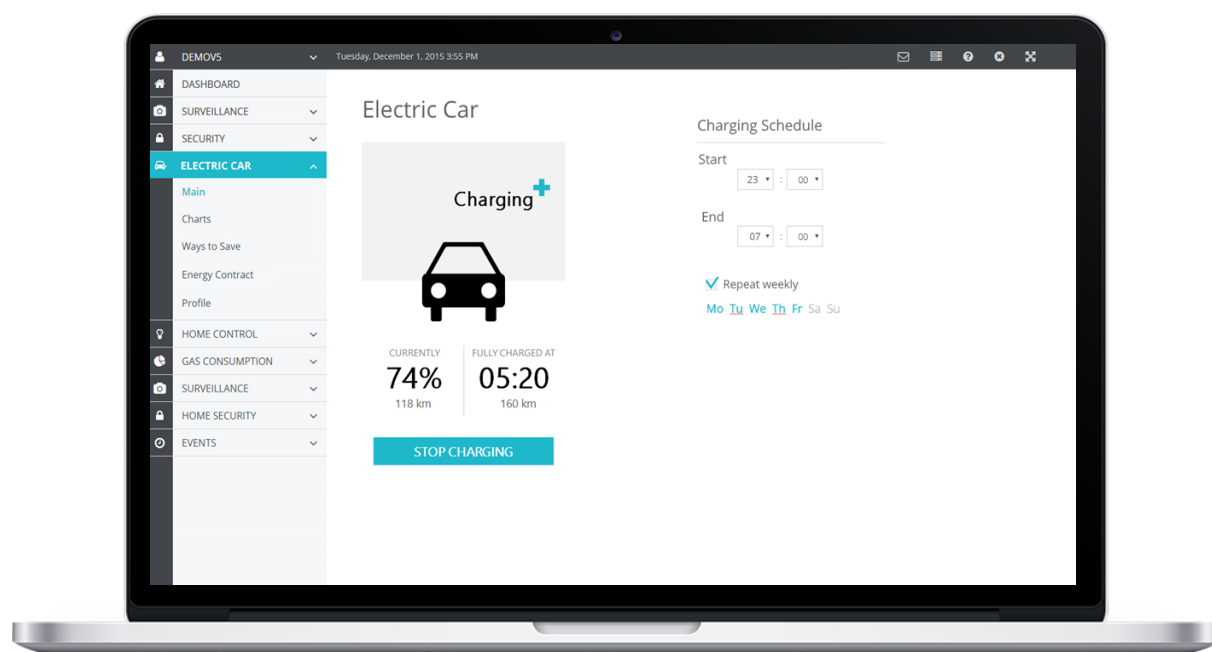
BENEFITS

UTILITIES The Electric Vehicle Application benefits the service provider in several ways, mainly by allowing utilities to use EVs as powerful load-management resources. This application is a solid product that helps electric car owners monitor their cars' charging, which increases user engagement, captures new customers and decreases churn.

Finally, and since the Electric Vehicle Application is part of the SDP, this offer can be complemented at any time with any of the other services offered by the platform, for instance, advanced automation and energy management.



CUSTOMERS There are several benefits for EV owners monitoring their cars' charging, starting with managing charging costs. This allows customers to choose the time of day they want to charge the car or to stop it from charging for load management purposes – such as getting monetary incentives to not charge the car at peak times. Changing habits to achieve more savings is the only way to be more efficient and save money.



CONTACTS

Website

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