

ELECTRIC VEHICLE CHARGING INDUSTRY

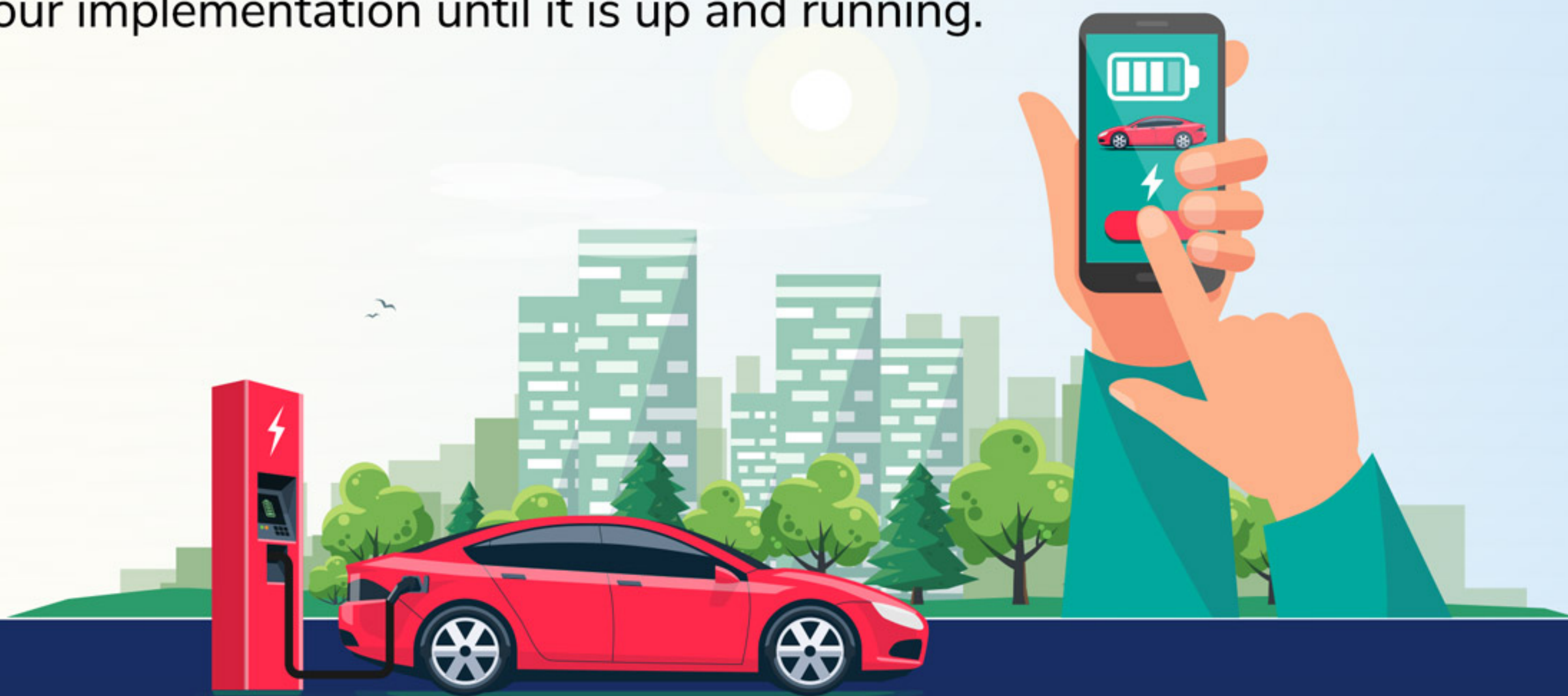
The electric vehicle (EV) charging industry is evolving much faster than other industries. Countries are on a mission to reduce the dependence on Oil & Nuclear Energy as a long term strategic goal and sop's are given to encourage the usage of EV's.



OCPP (OPEN CHARGE POINT PROTOCOL) SERVICES

Building an OCPP compliant OS or application from scratch is a big investment decision. Gadgeon has developed a full feature OCPP 1.6J stack for Hardware and Application requirements. With the Gadgeon OCPP stack you can create speed and have a trustable partner for integration, maintenance and life cycle management.

This stack is available in a license or purchase model for Hardware and Application deployment. The stack has been tested on multiple platforms & controllers and offers an easy to integrate, deploy and maintain solution for every stakeholder in the EV Space. The uniqueness of working with Gadgeon is that our dedicated team can support your implementation until it is up and running.



The services are offered for developing the below features in Hardware or in application depending on the requirements.

CORE SERVICES ENABLEMENT

The core features include Authorize, Boot Notifications, Data transfer, Start/Stop transaction, Remote Start/Stop, Status notifications etc

FIRMWARE MANAGEMENT

This feature enables support for firmware update management and log file availability for any diagnostics.

LOCAL AUTH LIST MANAGEMENT

This feature allows the chargers to manage the local authorization list in Charge Points.

RESERVATION MANAGEMENT

This feature enables the Driver to carry out the reservation & cancellation of a Charge Point.

SMART CHARGING

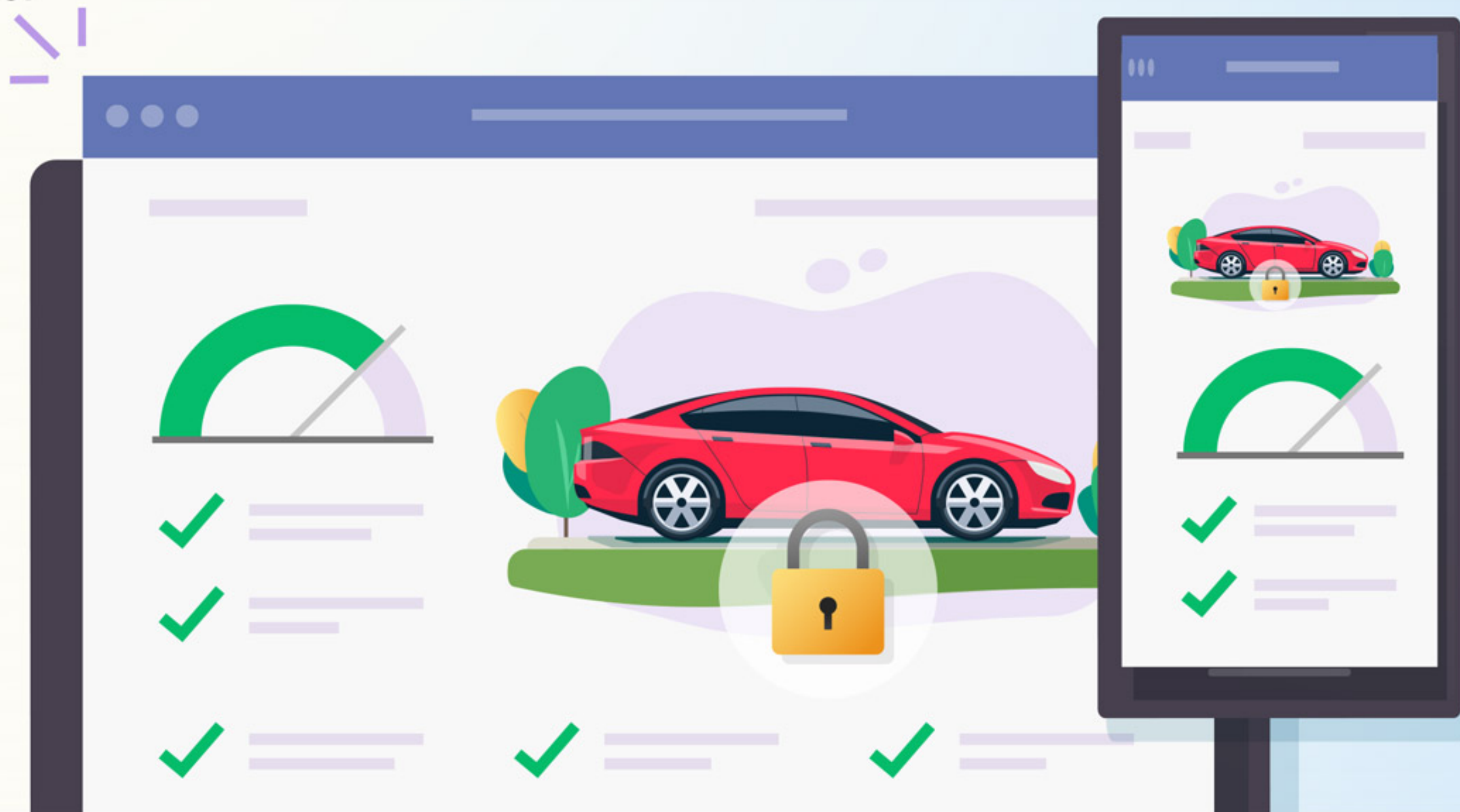
Support for basic Smart Charging, for instance using a control pilot.

REMOTE TRIGGER

Support for remote triggering of Charge Point initiated messages

OCPP (OPEN CHARGE POINT INTERFACE) SERVICES

Requirement for interoperability and standardization drives the OCPI. It also brings transparency to the EV charging infrastructure. Gadgeon has invested in the knowledge to develop and maintain OCPI API interfaces, and store the data in a secure way with respect to local privacy rules. Gadgeon's OCPI development team has developed the knowledge combining local consulting services with off-shore development capabilities.



Our services consists of

OCPI API integration , middleware development and testing

Data capturing and structuring platform

Dashboarding and reporting of CDR's (Charge Detail Record) , Location, Session information

Application stress testing

App and Web development

Load balancing and forecasting services

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