

# Charge-Point Interactive Management System for Electric Vehicles



Experience the commitment®

Imagine a world that is free from pollution—where you can breathe fresh, clean air even while in heavy traffic and enjoy long drives without polluting the air. CGI is convinced that electric vehicles will play a significant role in creating a future like this. This is why we're one of the pioneers of electric vehicle technology and are focused on the adoption and success of electric vehicles worldwide.

## THE CHALLENGE

Transport by car is the fastest growing energy consumer and is responsible for approximately 40 percent of energy consumption by each household. Electric vehicle (EV) transport can change this; it is currently the most efficient way of transport. EVs are both economical and have a much lower CO<sub>2</sub> footprint, especially when using green electricity. However, the benefits of EVs will be possible only when critical success factors are achieved, including the following:

- EV charging should be simple, widely available and safe. Each user should be able to pay for it as he/she wants and user privacy should be guaranteed.
- EVs must be affordable.
- Consumers must have a wide range of vehicle choices.
- EV batteries must be able to last for an extended period of time.
- EVs must be a pleasure to drive.

## OUR SOLUTION

CGI has joined with a number of partners to address these critical success factors. We have taken the lead, for example, in developing an infrastructure to support EV charging stations. Our Charge-Point Interactive Management System (CiMS) provides full-scale EV charge point management capabilities delivered as a Software as a Service (SaaS) in our private cloud.

CiMS is based on common standards, ensuring ease of use and interoperability with different types and brands of charge points. It also supports different front and back office systems and various payment methods. In addition, it can be easily adapted to accommodate evolving technologies such as mobile payments.

CiMS is in operation in different European countries. It provides clients, including energy retailers, travel companies and other EV stakeholders, access to new markets and consumer groups. It also supplies grid owners with valuable data on grid load management so that they can anticipate the effects of EVs on their businesses and infrastructures. In addition, it supports



## CHARGE-POINT INTERACTIVE MANAGEMENT SYSTEM

### KEY BENEFITS

- Ease of use to drivers
- User privacy (does not track and trace drivers during charging)
- Splits infrastructure management and customer management
- Complies with available international standards
- Supports different types and brands of charge points
- Enables remote infrastructure management
- Supported by different customer and back office systems
- Offers mobile services and applications
- Provides interoperability and secure connections with other systems
- Supports various payment methods

the efforts of governments in developing policies to reduce CO<sub>2</sub> emissions and air pollution through the adoption of EVs.

### WHY WORK WITH CGI

Sustainability is a central theme in CGI's vision of the future. We are convinced that a sustainable way of working and living is the only way forward. Of course, your company needs to comply with regulations and minimize costs and risks. But, just imagine the benefits of developing sustainable services and ecosystems at the same time.

We create smarter processes to make transport more efficient while reducing pollution. Insights from our own sustainability programs help us to develop new sustainability services.

CGI's EV solutions are in use in the Netherlands, Germany, Belgium, Luxembourg, Norway and Sweden and are just one of our focus points in the areas of sustainability. We also invest in the development of smart electricity grids, which are essential to the adoption of EVs.

Our EV expertise is backed by our broad utilities capabilities, which includes a major presence across North America, Europe and Australia, and 6,000+ dedicated utilities professionals. We're a partner to 8 of the 10 largest utilities in Europe and North America, working with more than 200 clients globally. We also designed and built 11 of the 17 central energy market infrastructures in the world today.

We believe in our EV investment and are excited about accelerating the growth of EVs to build a more sustainable future.



### ABOUT CGI

With more than 68,000 professionals in 40 countries, CGI fosters local accountability for client success while bringing global delivery capabilities to clients' front doors.

Founded in 1976, CGI applies a disciplined delivery approach that has achieved an industry-leading track record of on-time, on-budget projects.

Our high-quality business consulting, systems integration and outsourcing services help clients leverage current investments while adopting new technology and business strategies that achieve top and bottom line results.

As a demonstration of our commitment, our average client satisfaction score for the past 10 years has measured consistently higher than 9 out of 10.

For more information, please contact us at [info@cgi.com](mailto:info@cgi.com) or visit [www.cgi.com](http://www.cgi.com).