

CASE STUDY

Gridscape Solutions helps leading utility integrate charging stations & payment system into an EV charging cloud network

Introduction

Our customer is a leading utility that offers new smart energy services and provides electric vehicle (EV) charging solutions to EV owners and businesses looking to serve the EV charging needs of their customers, employees, tenants or residents. It was looking for a system development and integration partner who not only understands the smart energy and electric vehicle ecosystem but also is flexible to accommodate changing business and technical requirements of the project. The project involved complex software development and integration of several products from different vendors worldwide.

Challenge

In order to maintain its leading role as a premier smart energy company, our customer needed to develop a solution that is flexible, adaptive and progressive. It involved complex integration of DC Fast Charging station and a Level 2 charging station with a central kiosk, payment system and a cloud based remote management system. Moreover, a business requirement for onsite component integration at deployment sites added more fuel to the fire.

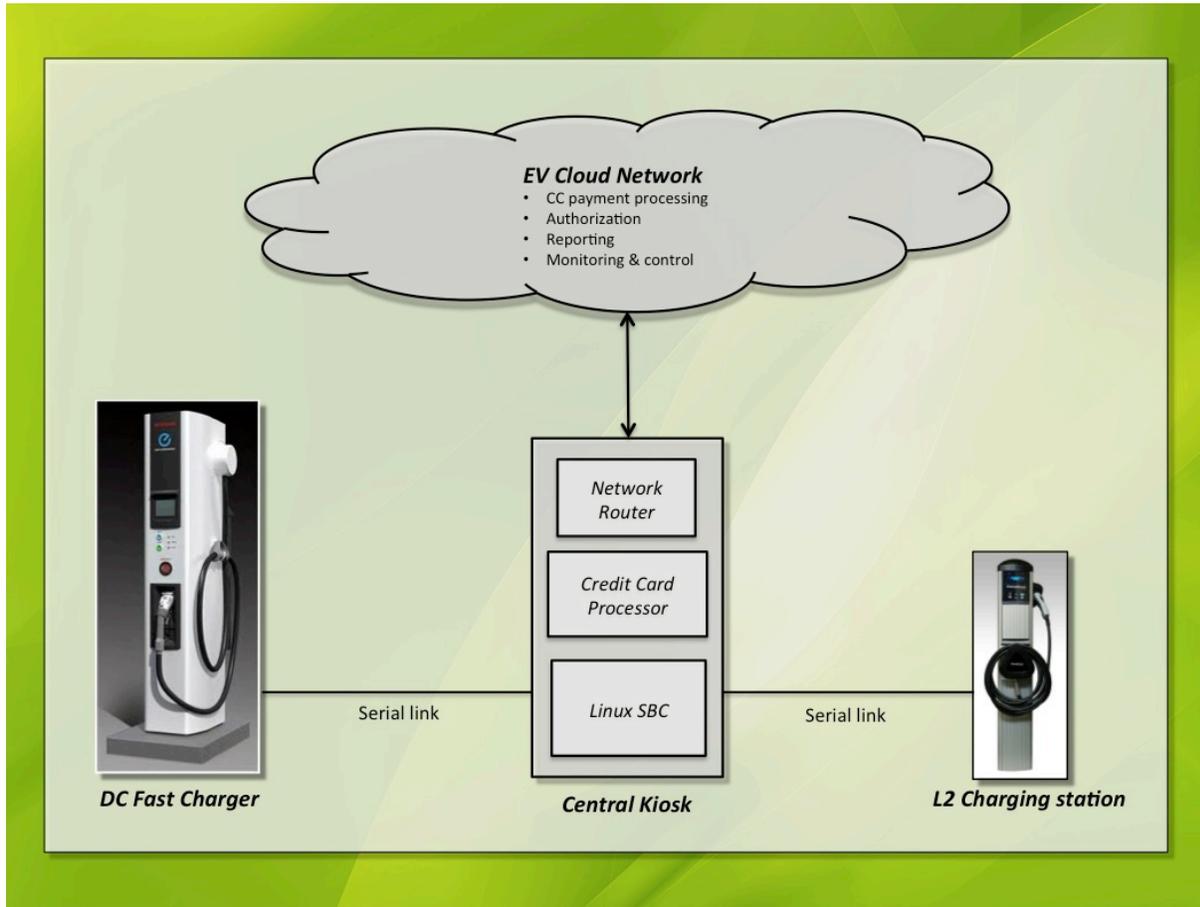
Solution

Gridscape Solutions, with its distributed expert team, developed high-quality, pluggable software modules to interface with charging stations and credit card payment system, and simplified the entire deployment process to ease onsite integration. The turnkey solution was developed and deployed in record time and well within the budget, leveraging our India development center.

Our customer's key requirements for selecting the right outsourced partner were proven experience in developing best-in-class, robust software solutions for EV charging systems, solid expertise in smart energy systems and protocols, and commitment in delivering a solution in time and within budget.



Gridscape Solutions mobilized its expert team comprising of a system architect, developers and testers, very quickly to first develop a functional specification and system architecture for the solution. With our customer's approval, a full scale, development project was launched and delivered in several phases using SCRUM methodology with acceptance testing and training in four months.



Gridscape also assisted the customer to deploy this solution at various sites. It resolved all the deployment issues and will support and maintain the solution going forward.

Conclusion

Gridscape Solutions helped its customer achieve its desired goals by delivering a best-in-class integrated solution for EV charging. Our customer was able to:

- Develop a solution in time within budget.
- Meet its customer commitment effectively
- Continue to demonstrate its leading role

Our customer has extended our business partnership and awarded several other projects to us to help enhance their product line and solutions.