



Ameresco, Inc.
Leading the Energy Movement

Final Result
Designed and delivered a beta real-time, operational dashboard which gives Ameresco remote monitoring of its power plants' output and efficiency.

+ Project Highlights

- ✓ Rebuilt a pre-existing platform
- ✓ Improved power plant remote monitoring capabilities
- ✓ Pioneered an evolved POC idea
- ✓ Provided complete, information-based KPI results
- ✓ Supplied a clean and simple interface
- ✓ Completed the project within desired time and budget

Context and Objectives

Ameresco is a leading independent provider of comprehensive energy efficiency and renewable energy solutions for facilities throughout North American and the UK. The company's executives desired a visual prototype which could provide a clean and informative remote monitoring platform capable of presenting key performance indicators (KPIs) for each of its power plants. Another organization had started the project, but was unable to fulfil the assignment. Not wanting to start from scratch, Ameresco requested that the prototype continue from the pre-existing platform.

Challenges

- Salvage the pre-existing platform from the first project attempt
- Develop an evolutionary proof-of-concept system
- Ensure complete, effective, information-based results
- Work within a tight budget and time constraints
- Create a clean and simple user interface

Solution

To develop a remote monitoring platform for multiple power plants, Abilis implemented a web based interface by leveraging Google Maps API in combination with JavaScript, PHP and My SQL. Abilis built the prototype for the operational dashboard to clearly display Ameresco's desired KPIs. This visual tool now allows them to effectively monitor the power plants in real-time. The Abilis team continues to play a supportive role to the Ameresco staff by providing additional IT development and support for the operational dashboard.

Customer Response

"Abilis was able to take an unfinished platform and make it functional and easy to use. We are now able to remotely monitor our power plants in real-time, saving us valuable time and resources. I would not hesitate to contact Abilis if your project has come off the rails and you need a solid team to rebuild it."

Rob Meghart, Engineer Systems and Controls, Ameresco