

Cementos Progreso



At a glance

10MW



Diesel power modules

- ISLAND MODE AS SOLE SOURCE OF ELECTRICITY
- RELIABLE POWER FOR COMMISSIONING OF CEMPRO'S LARGEST FACILITY
- OPERATION COMPLEMENTS THE CUSTOMER'S CSR ACTIVITIES

"We are very pleased to have chosen APR Energy for its innovative solutions as the company to lead this important milestone and to help make this dream come true at the San Gabriel plant in 2017."

Luis Pinto

*San Gabriel plant manager
Cementos Progreso*

Challenges

- CUSTOMER UNABLE TO CONNECT TO POWER GRID DUE TO INFRASTRUCTURE DELAYS
- LIMITED ROAD ACCESS TO TRANSPORT PLANT EQUIPMENT
- RIGOROUS EHS REQUIREMENTS

Background

In 2005, Cementos Progreso (Cempro) – a century-old family owned cement and aggregate company in Guatemala – acquired the San Gabriel estate, a property with an estimated 50 years of limestone reserves to feed a planned cement manufacturing facility. Throughout the construction of the cement plant, issues delayed the installation of two transmission lines that would connect the manufacturing facility to the local power grid. As a result, Cempro began to evaluate interim solutions that could serve as a bridge until it could gain access to the power grid.

Solution

In late 2016, as the cement plant neared completion, APR Energy was awarded a contract to provide the 10MW of generating capacity needed to commission the cement facility and enable Cempro to begin production even without grid access. Despite holidays and strikes that slowed entry of plant equipment through customs, as well as limited road access to transport the eight diesel power modules and associated plant systems to the site, APR Energy commissioned its plant in early 2017. APR Energy's full-service solution includes operation and maintenance of the power plant, and full compliance with Cempro's rigorous environmental, health and safety (EHS) requirements.

Outcome

Construction of the San Gabriel cement plant is nearing completion, and commercial operation is expected to begin in late 2017. At full production, it will be Cempro's largest manufacturing plant with a capacity of 4,500 tons of cement clinker per day. With APR Energy serving as its sole source of electricity as it prepares for commissioning, the cement plant soon will be providing an essential ingredient for construction in Guatemala while enabling Cempro to meet its corporate social responsibility (CSR) goals related to community development, training and care of the environment. APR Energy is supporting those efforts by hiring employees from the local community to install, operate and maintain the power plant, and by embracing Cempro's requirements for EHS performance.