

Pemex Refinación – Mexico

Background

Pemex Refinación is a subsidiary of Pemex, Mexico's national oil company. Pemex is the world's second largest non-publicly listed company in terms of total market value and Latin America's second largest enterprise by annual revenue. The organization operates re-pumping stations that pump crude oil, gasoline, and diesel to and from various cities across Mexico.

Challenge

The motors and turbines at Pemex Refinación re-pumping stations contain sensitive controls making quality power critical for efficient operations. With many of the stations in remote areas and located at the end of utility lines, incoming power is poor and unreliable. The re-pumping stations also operate in series and are interdependent of each other – if one pump is down, the others cease pumping as well.

Solution

Pemex Refinación has deployed more than **20 megawatts of Active Power CleanSource UPS systems** across 22 stations in Mexico, protecting the stations' automated systems and motor loads from power interruptions. The parallel online architecture of CleanSource UPS enables these systems to effectively manage in-rush currents typical of inductive loads. In addition, the battery free UPS' ability to operate in industrial environments, smaller footprint, and overall lower maintenance costs makes it a better solution for Pemex's needs.

Result

The rugged and inherently reliable design of CleanSource UPS made it an ideal solution to support these mission critical re-pumping stations. The systems help ensure oil and gas continues to flow and prevents potential revenue loss and equipment damage.

The lack of consistent and reliable power to support our operations was an ever present management headache before we installed CleanSource UPS. Since installation, we are very pleased with the improvement in our day-to-day operations.

– Mauro Caceres, General Superintendent, Operations

