CASE STUDY
Complete Stator Rewinding Generators

PROJECT HIGHLIGHTS
+ Ground failure between coils & support
+ First time a complete rewind has been performed in Venezuela with local labor

Project Overview
The customer, located in Venezuela, operates a generator system that required an inspection to determine damages and partial repairs.

Key Challenges
+ Equipment was shut down because it presented a ground failure between coils & supports
+ With an uncommon coil design & the type of failure, it was necessary to offer a winding major repair

Key Results
+ The equipment remains operational over two years after the repairs, performing beyond original expectation
+ Rewinding performed in-country

The EthosEnergy Solution
+ A FARO ARM was used to develop coil drawings as a special winding design & reverse engineering were required
+ After installation of the winding, electrical tests were performed according to international standards & industry procedures with optimal results

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EthosEnergy Profile

**EthosEnergy** is a leading independent service provider of rotating equipment services and solutions to the power, oil & gas and industrial markets. Globally, these services include power plant engineering, procurement and construction; facility operations & maintenance; design, manufacture and application of engineered components, upgrades and re-rates; repair, overhaul and optimization of gas and steam turbines, generators, pumps, compressors and other high-speed rotating equipment.

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