

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 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.

**SAFETY****SERVICE EXCELLENCE****PEOPLE****FINANCIAL RESPONSIBILITY****INTEGRITY****EthosEnergy (US Corporate Office)**

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