



The Latin American Field Services team performs an engine exchange, swapping the PE6000 lease engine with the repaired unit.

FIELD SERVICES, AEROADVANTAGE SERVICES, AND LEASE ENGINE

2X LM6000PC

South America



EFFICIENT

65 DAYS

net depot
turnaround time

PRODUCTIVE

MILLIONS SAVED

in revenue with
lease engine

COMPREHENSIVE

100% IN-HOUSE

services along with
PE6000 engine lease



COMBINED SOLUTION WITH LEASE ENGINE, REPAIRS, AND TESTING SAVES CUSTOMER MILLIONS

An electric power generation company owns an open-cycle plant with two LM6000PC units in South America.

CHALLENGE

During the period of highest demand in peak season, one LM6000 unit had a catastrophic failure. The company needed to bring the power plant back online as quickly as possible because of its criticality at one of the country's top tourist destinations, which attracts millions of annual visitors.

SOLUTION

PROENERGY dispatched Field Services team members in Latin America to the customer site for a complete review of the machine. The onsite investigation found that a high-pressure turbine (HPT) failure had caused downstream damage, including the low-pressure turbine (LPT), which necessitated major engine repairs at a PROENERGY depot.

PROENERGY deployed a PE6000 lease engine to help the customer supply power for high demand during the summer peak season.

The PROENERGY Aero Depot network coordinated services between the Level-IV depot in Houston and the world's only independent LM6000PC/PD string-test facility in Sedalia. Expert technicians immediately inducted the unit for disassembly, condition-based repairs, and reassembly.

After Aero Depot technicians reconditioned the unit, an engine test confirmed power output and heat rate. Once complete, the Latin America and US Field Services teams communicated with Engineering to reinstall and commission the unit.

The net depot turnaround time including logistics amounted to approximately 65 days, and the customer resumed power generation with its unit in verified operational condition.

VALUE

PROENERGY mobilized an integrated solution to restore a failed unit to full operation.

Unlike any other competitor, PROENERGY was able to provide a PE6000 lease engine, which helped the customer to avoid millions in lost profits and penalties. The PE6000 also proved key to maintaining stable power generation throughout the critical season for residents and vacationers during the summer in South America.

The entire assessment, overhaul, and testing process took place within the PROENERGY network, and the onsite string-test facility mirrored real-world operating conditions to validate unit performance before re-installation.

“The performance of the PE6000 was outstanding and allowed us to keep supplying power to the grid during peak season while our engine was being repaired in the PROENERGY Depot.”

– Customer