

# High Speed Balancing

## Product Sheet

### High Speed Balancing

EthosEnergy's comprehensive turbine generator rotor rewind facilities utilize Schenck Trebel high balance capabilities. Atmospheric bunkers service rotors up to 100,000 pounds, 4,000 RPM and 40-feet in length (Farmington, NM) and 170,000 pounds, 4,500 RPM and 60-feet in length (Poland). Operating conditions are simulated while at-speed rotor tests (i.e. running Insulation Resistance, AC Impedance and Flux Probe) are performed, to ensure that every rotor recondition, repair, and/or rewind is successful.

#### Features:

High Speed Balance Capabilities Include:

- Two of the largest high speed balance facilities
- Handling generator rotors up to 100,000 lbs. at 4,000 RPM (Farmington, NM)
- Handling generator rotors up to 170,000 lbs. at 4,500 RPM (Poland)
- Electrical test capabilities including: Flux Probe, RSO, high voltage, insulation resistance & AC impedance
- High-current heat run capabilities
- Complete static electrical testing, mechanical inspection, & non-destructive examination prior to and following a high speed balance
- All procedures & processes are ISO 9001:2008 certified
- Most generator or electric motor rotating elements are fully processed in 2 to 3 days



#### Our Customer Benefits

- Eliminates need for balancing during unit re-commissioning
- Validates normal electrical & mechanical operating conditions following major repairs or reconditioning



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 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 transformers; delivery of gas turbines and generators, and supply of overhauled and warranted equipment on a FAST TRACK basis.