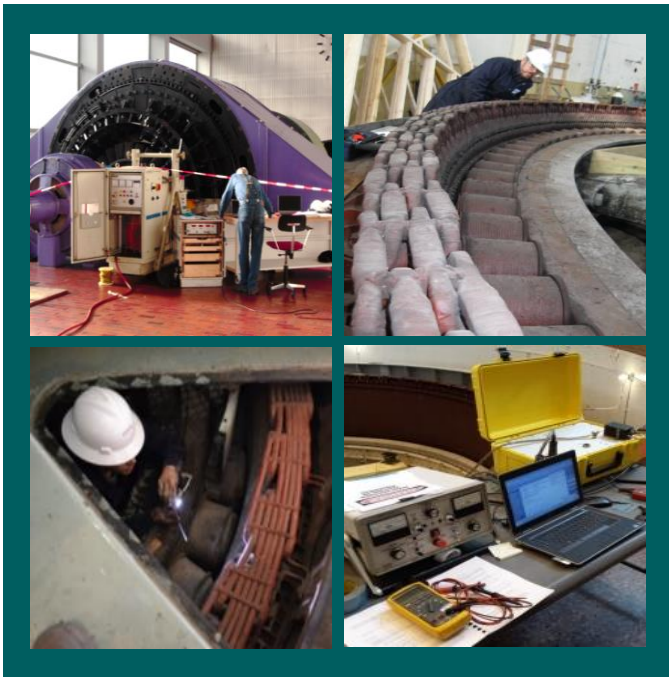
GE VERNOVA

FACT SHEET
HYDRO POWER
SERVICE

GENERATOR CONDITION ASSESSMENT

The Generator condition assessment accurately assess the health of the main generator components, within a reduced outage, to optimize your maintenance and keep your assets up and running. An assessment typically consists of a visual inspection and electrical testing.



TRUSTED EXPERIENCE AND EXPERTISE

The inspection and tests are performed by field engineers and technicians with specific experience in turbine assessments, repair and design.

KEY BENEFITS

- Reduce insurance cost
- Reduce outage time and associated cost
- Identify & solve small issues before they become big problems
- Get a base-line condition and trend it over time to predict failure
- Enhance performance, durability, efficiency, availability and safety
- In case of failure, identify & repair efficiently to minimize outage time
- Increase production by improving unit's availability, when it matters the most

SUCCEED WITH GE VERNOVA

- Access GE Vernova's resources from multiple industries
- Benefit from designer's local and global expertise
- Combine inspections on many power plant systems in parallel
- Access the latest inspection & repair technologies to implement the best solutions

Ready for **emergency** Packages adapts to assist you in case of failure	**All OEMs** All hydro generator types 0.5 to 800 MW
Standard packages or **customized** to your specific needs	**Flash intervention** minimizing outage and suiting your schedule

STANDARD PACKAGES

Basic	Premium	Inspected Areas
TESTING		
• Insulation resistance & PI • Dc-ramp test • Dc resistance test • Wedge tap test Optional: • Power factor and tip-up	• Insulation resistance & PI • Dc-ramp test • Power factor and tip-up • Dc resistance test • Wedge tightness test • RTD tests Optional: • Lights-out test • Corona probe test	Stator winding
• Knife test	• Elcid test Optional: • Core loop test • Stator roundness	Stator core
• Insulation resistance • Dc resistance test • High Potential test	• Insulation resistance • Dc resistance test • High Potential test • Pole drop test Optional: • Rotor concentricity	Rotor winding (including collector)
• Insulation resistance • Oil sample analysis	• Insulation resistance • Oil sample analysis	Bearings
Some covers off, rotor in	All covers off, rotor out	*Assessment durations are indicative only and depend on unit size, design, customized requirements and options
3 days*	5 days*	

Visual inspection: Stator frame, core, winding, rotor, exciter, bearings

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