

Maximizing Natural Resources to Create Green Energy

gevasol
Ping

November 2022



- Geothermal Power
- Green Energy

Geothermal Power Turbine Double Mechanical Seals

Background

- Geothermal power systems utilize hot brine exploited from the ground to heat gas that drives turbines.
- The gas is in a closed circuit while the hot brine is returned to the ground.

The challenge

- Seal the gas in order to maximize efficiency.

The solution

- Ettem's double mechanical seal is installed inside the turbine.
- It seals the gas and maintains high leakage control—enabling high efficiency of the entire system.

Features

Shaft diameter: 250 - 280 mm.

Pressure: 5 to 14 bar.

Barrier fluid: customizable to the gas and customer's specifications.

Reliability: hundreds of turbine seals have been installed worldwide for decades with no returns.

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