

ORMAT Added Values

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The Ormat Recovered Energy Generation (REG) Power Plants offer significant advantages to a wide array of industries:

- Flexible power output depending on the type of waste heat
- Factory-integrated modular design for rapid, easy installation
- Automatic, unmanned operation with remote monitoring and control
- Air-cooled condensers, no water required
- Environmentally-clean power
- Non-freezing, ozone-benign motive fluid
- Non interference with normal plant operation even in case of shutdown
- Highest availability in the market
- Low operation and maintenance costs

Modular Designs, Tailored Solutions

Our recovered energy solutions are built to work seamlessly with the unique characteristics of specific heat sources and support flexible operation modes under variable heat conditions.

Ormat's OEC is designed for smooth integration that does not interfere with normal industrial plant operations. The OEC's modular design enables rapid, cost-effective installation on site. Our systems are easy to use, require minimal maintenance, are fully automated and feature automatic start up, synchronization and safe shut-down.

The OEC

- Is simple to operate - turbine, controls and balance of plant.
- Requires no complex vacuum systems, as the organic working fluid condensing pressure is above atmospheric pressure.
- Turbine remains dry under all expected working conditions, eliminating the possibility of erosion damage to the turbine's buckets and nozzles.
- Can use air-cooling when cooling water is scarce and is suitable for outdoor operation in cold climates, due to the low freezing temperature of the organic working fluid.
- Uses a thermal oil heat transfer medium, which is advantageous for multiple heat source applications.
- Poses no burden on operation of host plant's core activities, due to its proven high-reliability.

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