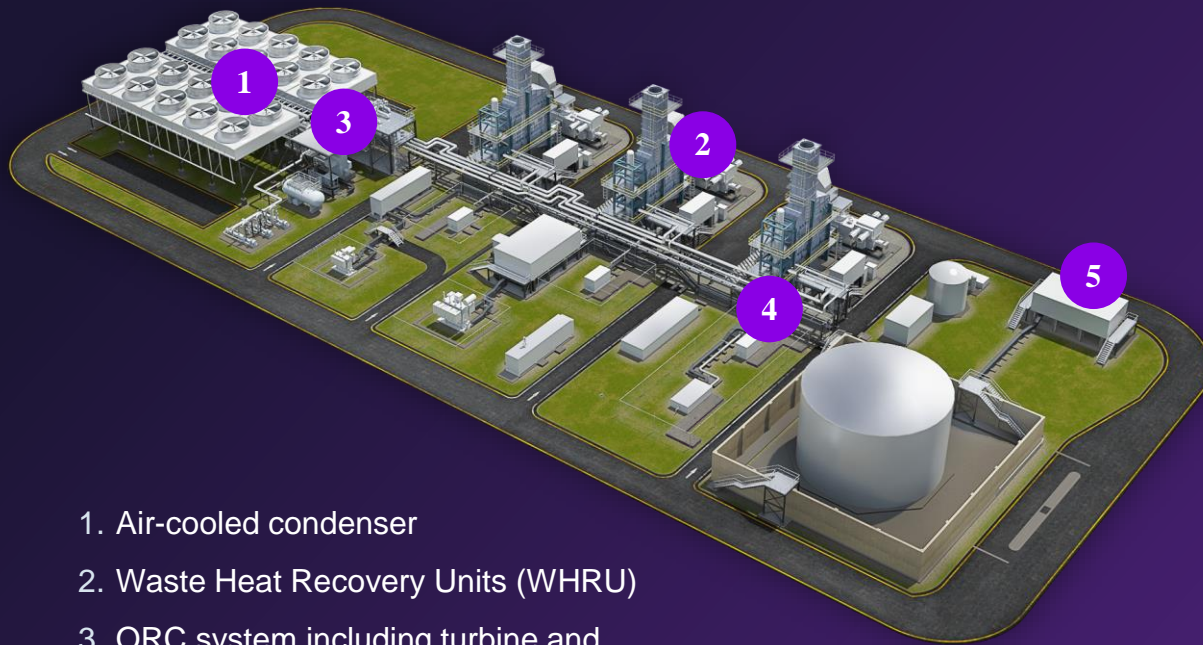


Organic Rankine Cycle (ORC)

Water free cycle closing for low waste heat temperatures

Increased power output from simple cycle gas turbine without extra fuel by Organic Rankine Cycle heat recovery:



1. Air-cooled condenser
2. Waste Heat Recovery Units (WHRU)
3. ORC system including turbine and generator
4. Interconnecting piping and cabling
5. Instrumentation & Control

Product Overview

Cycle closing of installed simple cycle gas turbines, turning waste heat into electricity



Features

- Waste Heat Recovery Unit
- ORC turbine and condenser
- Modular outdoor/ containerized design
- Hermetically closed circuit without need for demineralized water
- Follows GT load instantly with high part load efficiency



Benefits

- Increased energy efficiency
- Reduction of CO₂ emissions per produced MWh
- Revenue increase through monetization of waste heat
- Reduced O&M cost per produced MWh
- Reduced fuel consumption @ kept power output
- Small footprint and modular design for fast and easy installation
- Robust, flexible and efficient in a broad load range
- Water-free operation: Totally dry, water-free, closed-loop process with air cooled condenser (water cooled condenser optional)



Scope of work & Implementation

- ORC solution optimized to customer installation and planned operation
- Installation of ORC system and Waste Heat Recovery Unit at site

