

# Decentralised energy from waste Organic Rankine Cycle (ORC)

## ORC System



Turboden holds the know-how of the Organic Rankine Cycle (ORC) technology thanks to its 40 years experience and over 60 turbine models for combined heat and power ORC plants, that are

flexible to exploit different sources like geothermal, many kind of biomass, waste heat from industrial process or gas turbines, urban waste and natural gas.



### Simplicity

- ✓ Remote monitoring and automatic operation
- ✓ No water use and treatment required
- ✓ Minimal maintenance activities



### Dependability

- ✓ High availability
- ✓ Long life (> 25 years)
- ✓ 40 + years in the design and production of turbomachinery



### Flexibility

- ✓ Ease of integration
- ✓ Excellent part load capability down to 10% load
- ✓ Different primary energy sources



### Sustainability

- ✓ Core system for renewable energy and energy efficiency
- ✓ Clean generation of power and heat
- ✓ Reduction of CO<sub>2</sub> emissions

