

Organic Rankine Cycle (ORC)

Geothermal & Waste Heat Recovery Solutions

The Most Complete, Highest Efficiency, Best Availability Small Generator Set

Geothermal Power Plant (GTPP) Solution



First ORCAN geothermal power plant in Germany (6 * eP 150.200)

ORCAN ORC Features

- ISO 20"/40" containerized design
- Shorter production lead time
- Easy to delivery
- Quick to install & operate
- Standard Modularized Specifications
- High flexibility, easy to integrate
- Optimized customization on demand
- Compact set with high quality components
- Short downtime, 15 yrs overhaul period
- Lowest ambient loads for ACC/WCC
- Device capacity
 - 500-100 ekW 、 150-200 ekW 、
 - 300-400 ekW (in the future)

efficiency PACK 
The Efficiency Company



eP 50.100



eP150.200 (ACC)



eP 150.200 3PU (WCC)



Subtle measure
ISO 50001





Organic Rankine Cycle (ORC) Geothermal & Waste Heat Recovery Solutions

The Most Complete, Highest Efficiency, Best Availability Small Generator Set

Waste Heat Recovery (WHRS) Solution

70xeP 050.100
5+ MW el
JAN 2019

100.000
people supplied
w/ CO2 free
electricity



SEP 2018
assembly

NOV 2018
FAT in Asia

JAN 2019
1st electricity

The largest ORCAN waste heat recovery system in Asia (70 * eP 50.100)



QUICK
Plug & Play



FLEXIBLE
Modularied Standard
container



RELIABLE
High Quality Off-
the-shelf Compo-
nents



ORC unit (Orcan eP 50.100)

Adapter
(EGHE, safety chain)

Engine



有機朗肯循環 (ORC) 應用 地熱 & 廢熱發電解決方案

最完整、最高效率、最佳稼動率的小型 ORC 發動機組

地熱發電 (GTPP) 解決方案



德國首座 ORCAN 地熱發電廠 (6 * eP 150.200)

ORCAN ORC 系統特性

- ISO 標準貨櫃一體化設計
- 生產週期短
- 20/40 呎船運貨櫃規格，便於交運
- 安裝快速、操作即時，調試時間短
- 標準模組化規格
- 靈活度高，可優化客製、快速部署
- 整合方便，可依需求逐步擴展
- 高品質零件精準密合
- 低維護需求和最短停機時間，15年大修期
- 最低周邊負載的氣冷或水冷設計
- 裝置容量
 - 500-100 ekW、150-200 ekW、
 - 300-400 ekW (規劃中)

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eP 50.100



eP150.200 (ACC)



eP 150.200 3PU (WCC)



Suitable measure
ISO 50001




有機朗肯循環 (ORC) 應用 地熱 & 廢熱發電解決方案

最完整、最高效率、最佳稼動率的小型 ORC 發動機組

廢熱發電 (WHRS) 解決方案

70xeP 050.100
5+ MW el
JAN 2019

100.000
people supplied
w/ CO2 free
electricity



亞洲最大 ORCAN 廢熱回收系統 (70 * eP 50.100)



安裝快速
隨插即用



靈活度高
模組化貨櫃一體式
設計



可靠耐用
高品質的現成零件
精準密合



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ORC unit (Orcan eP 50.100) Adapter (EGHE, safety chain) Engine

