

ORC 2017 - ORMAT

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Olkaria III Geothermal Complex, Kenya



Green energy you can rely on

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Geothermal ORC 1984: Small Scale

Wabuska, USA NV

Year 1984

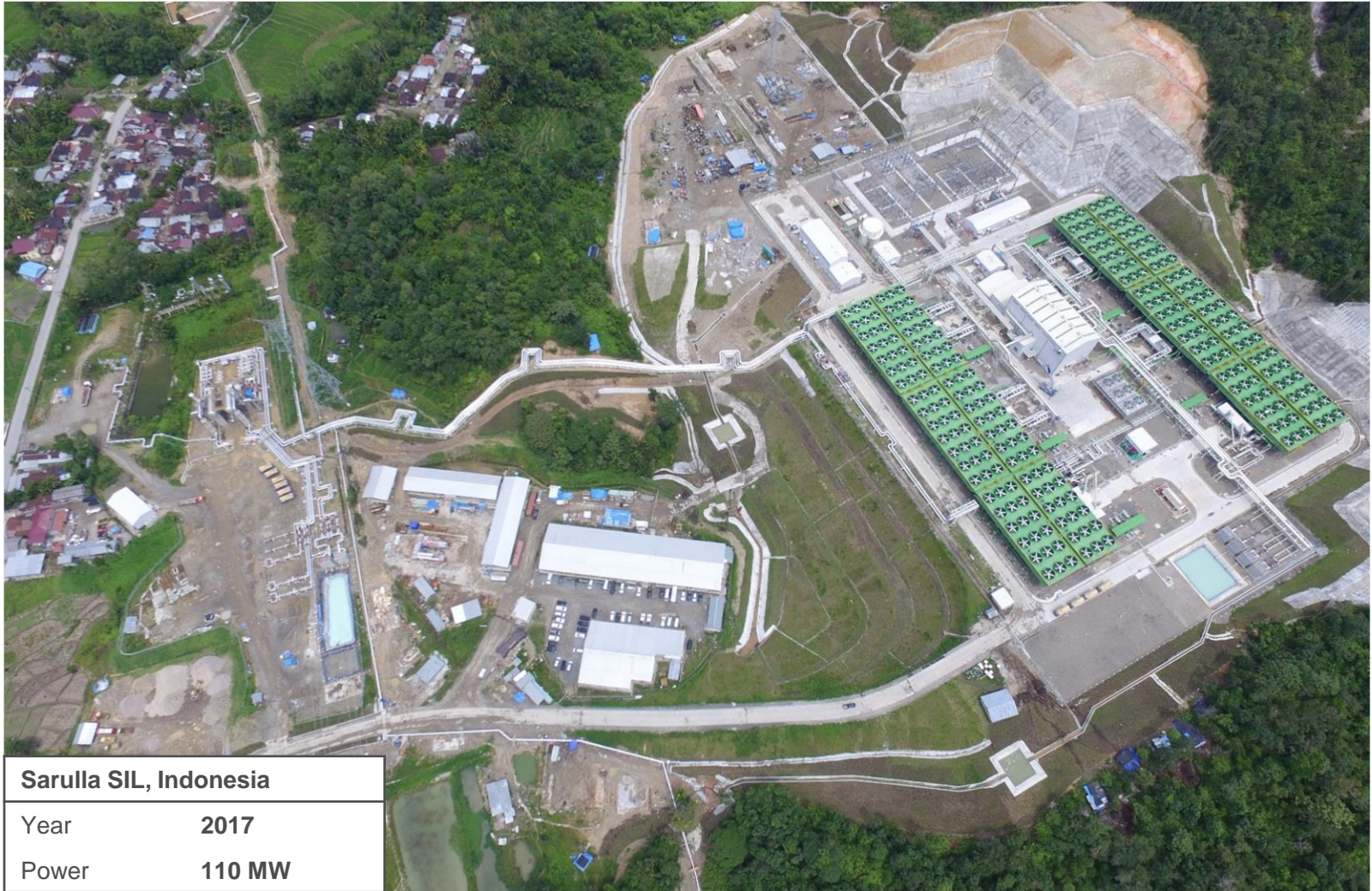
Power 0.8 MW

Still
Operational

33 Years



Geothermal ORC 2017: Utility Scale



Sarulla SIL, Indonesia

Year **2017**

Power **110 MW**

Introduction

Market leader with proven track record in the geothermal sector

Our mission is to become a leading global renewable energy provider

52

Years of
experience



663 \$M

FY 2016
Revenues



Own & Operate

727 MW



324 \$M

FY 2016
Adj. EBITDA



1,250

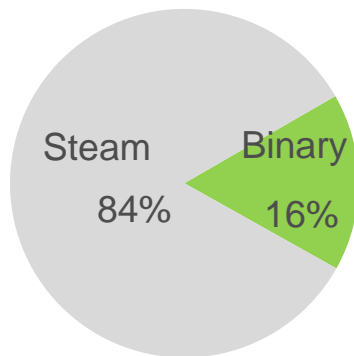
Employees



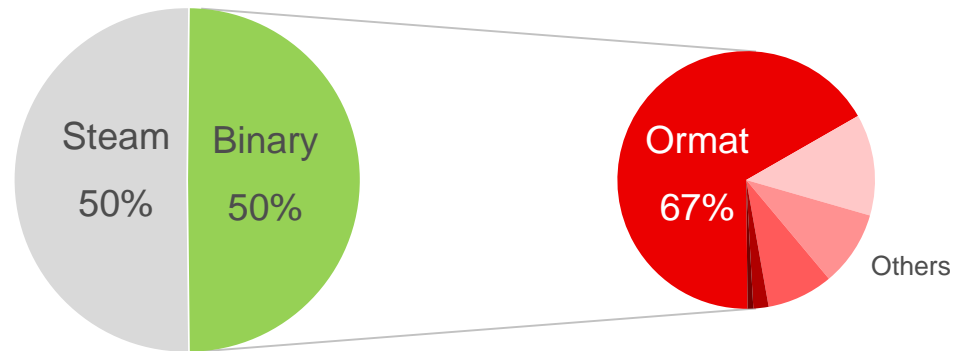
Geothermal Market

Leading the Geothermal binary market with 70% market share

**Total Global Installed Capacity
(13.8 GW) by Technology Type (%)**



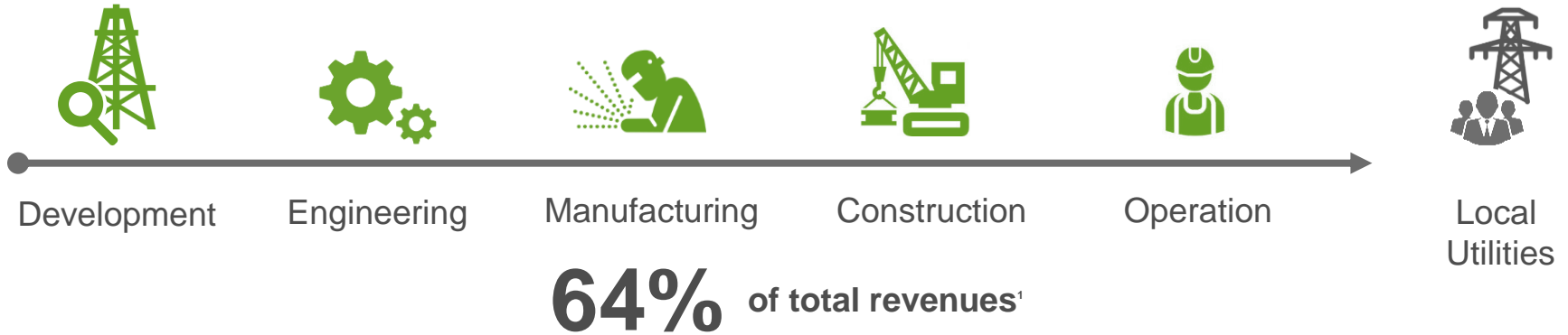
**5-Year Total Global Installed Capacity
(2.1GW) by Technology Type (%)**



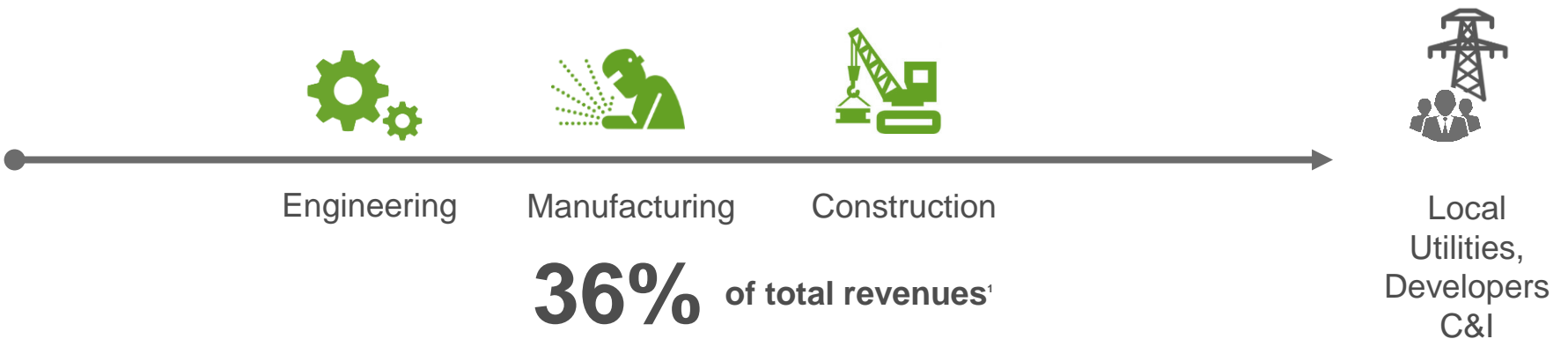
Source: Annual U.S. & Global Geothermal Power Production Report GEA Feb.2016,2016 International Development - Interim Report, GEA Report Oct, 2016 & Ormat analysis

The Only Vertically Integrated Geothermal Player

Electricity Segment



Products Segment



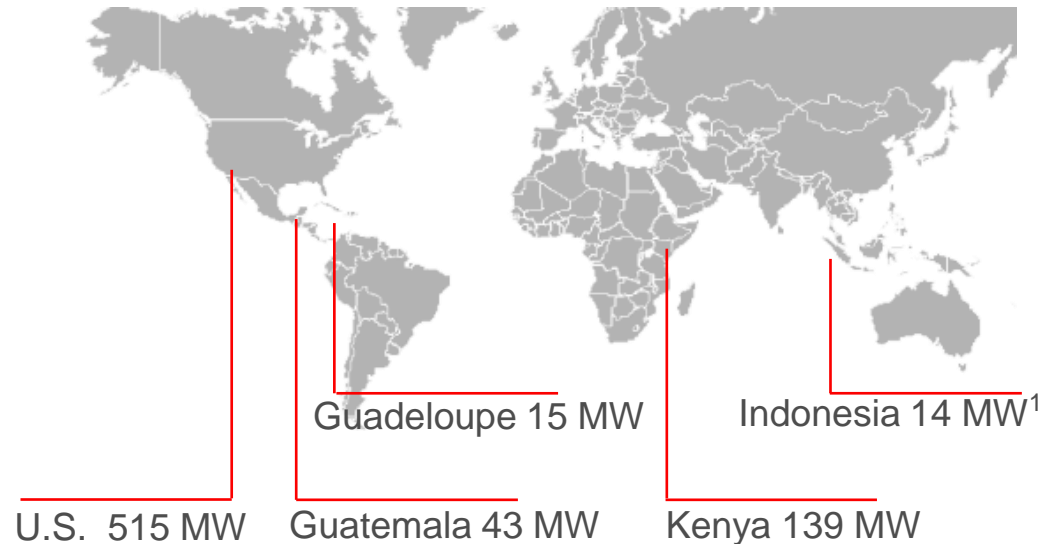
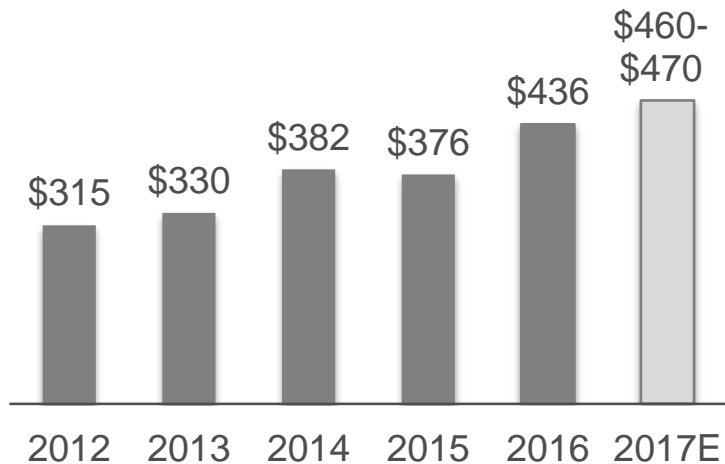
(1) Five years average (2012-2016)

Electricity Segment Overview

Stable, well managed, cash generating assets

- Global operation of 727 MW in 20 sites
- 93% geothermal; 7% REG
- Weighted average PPA life -15 years

Annual Revenue (\$million)



¹In March 2017, the first unit of the Sarulla geothermal power plant in Indonesia with a total generating capacity of approx. 110 MW commenced commercial operation. Ormat's share in the Sarulla Consortium is 12.75%.

Geothermal ORC: Utility Scale



Olkaria Complex, Kenya

Year	2000, 2009, 2013, 2014, 2016
Power	139 MW
Resource Enthalpy, kJ/kg	1,100 (165°C)

Geothermal ORC: Utility Scale



Don A. Campbell, USA NV	
Year	2013, 2015
Power	50 MW
Resource Enthalpy, kJ/kg	530 (126°C)

Geothermal ORC: Utility Scale

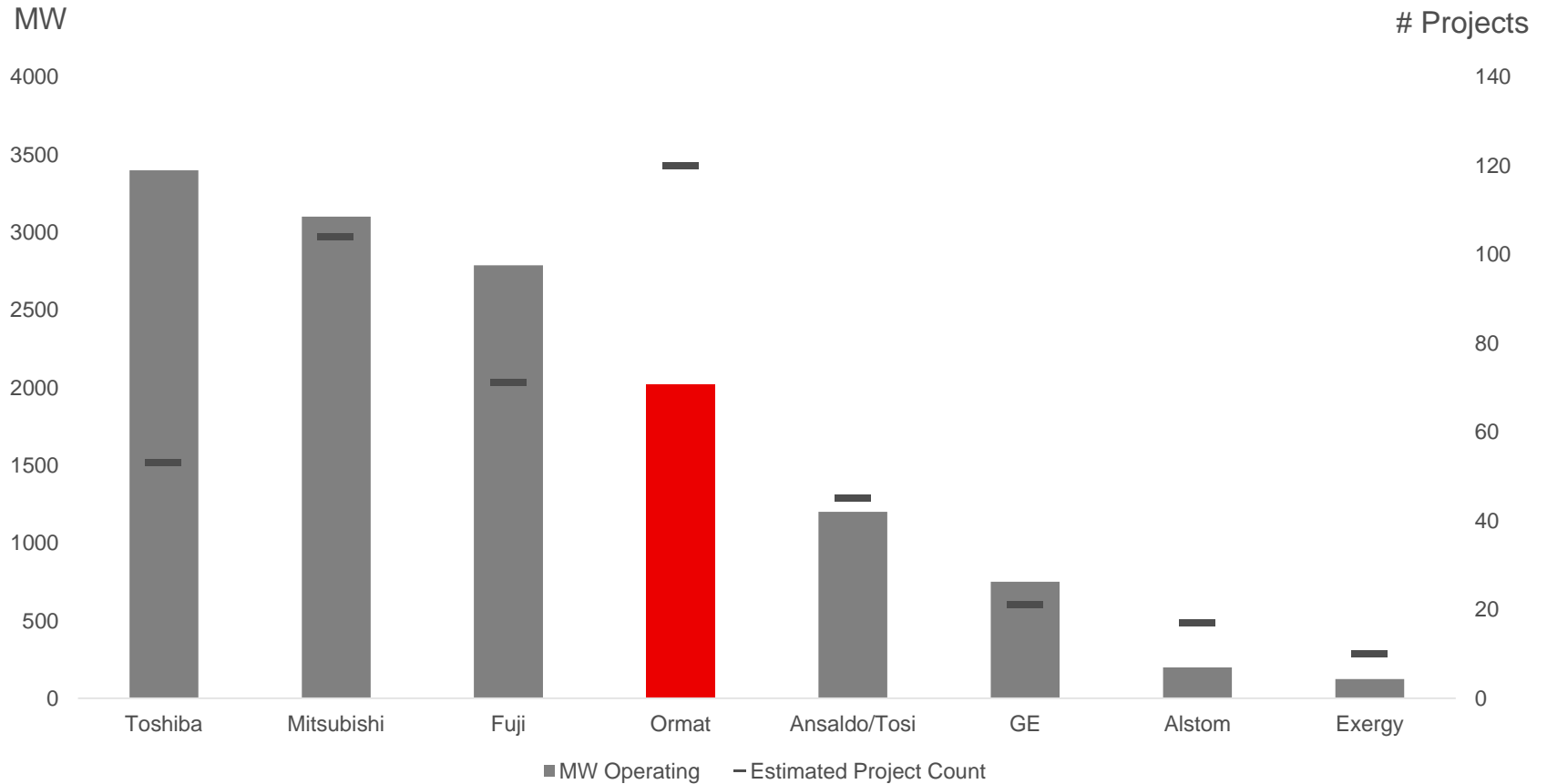


GeoPlatanares I3LU, Honduras

Year	2017
Power	44 MW
Resource Enthalpy, kJ/kg	747 (179°C)

Market Share - Products Segment

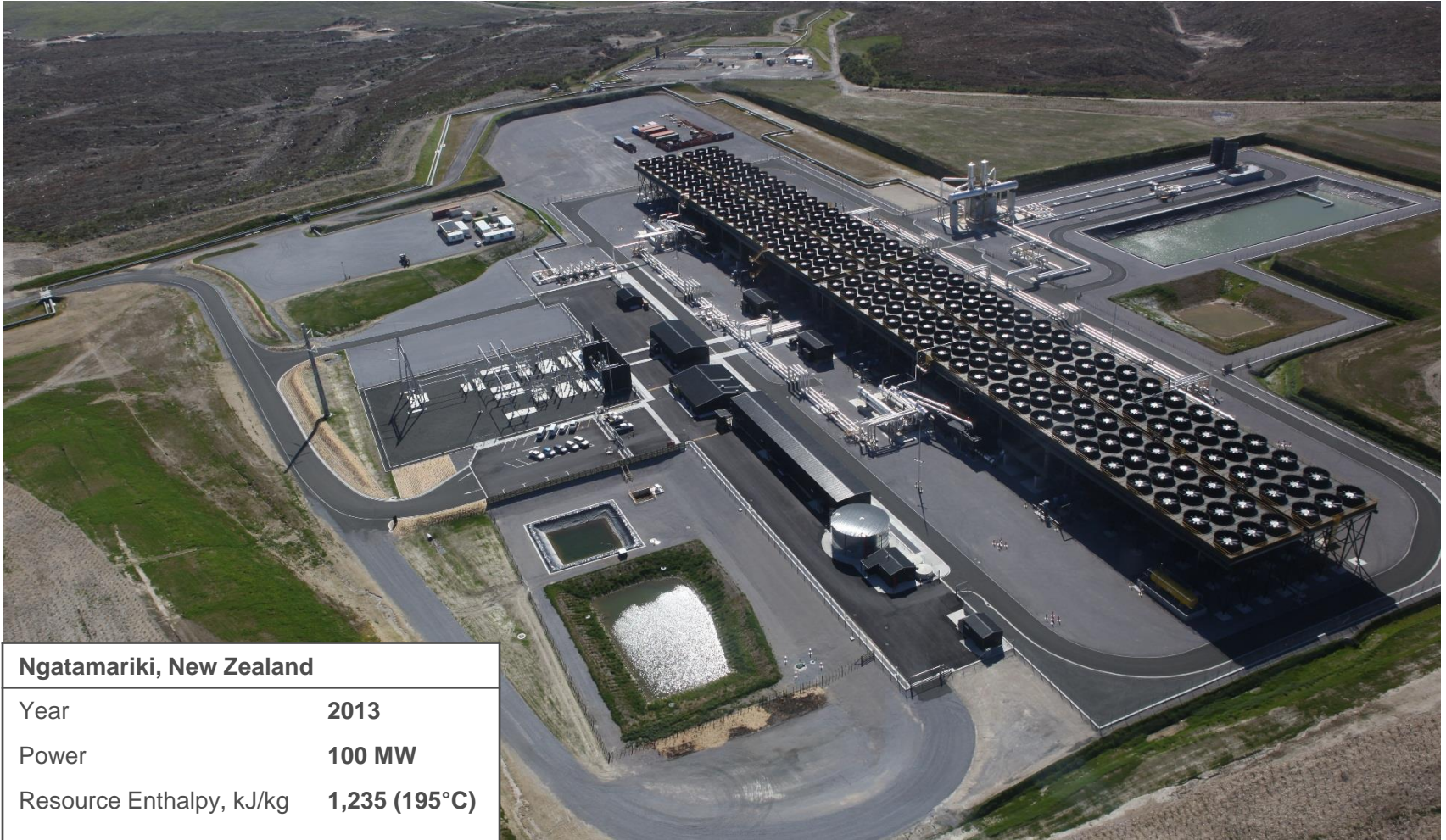
Major Geothermal Equipment Suppliers (MW & Project Count)



¹GEA 2015 Annual U.S. & Global Geothermal Power Production Report & Ormat study based on presented public disclosure for [Fuji](#), [Exergy](#), [Toshiba](#) & [Mitsubishi](#)

Most of the installed capacity presented in the chart is based on Steam technology while most of Ormat installed capacity is based on Binary technology

Geothermal ORC: Utility Scale



Ngatamariki, New Zealand

Year	2013
Power	100 MW
Resource Enthalpy, kJ/kg	1,235 (195°C)

Geothermal ORC: Utility Scale



Efe-2,3,4,6,7, Turkey

Year	2012, 2013, 2016, 2017
Power	130 MW
Resource Enthalpy, kJ/kg	~950-800 (160°C)

Thank you

