





II. EGP geothermal asset value maximization

III. EGP Development of geothermal in Kenya





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1. Projects under construction or ready to build as of December 31st, 2014. It includes 102MW Sureste wind farm in Mexico and 61MW Talinay Poniente wind farm in Chile, both entered into operation in March 2015

2. Cerro Pabellon geothermal plant (phase I of 50 MW) is starting execution

Enel Green Power Geographical presence and pipeline evolution

2011 presence

• 16 countries of presence

Today's presence

- 16 countries of presence
- 8 countries in advanced development phase, incl. Kenya
- 3 new areas under screening, incl. East Africa

Today's pipeline

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Scouting for new opportunities in East Africa and Asia Pacific

EGP and Geothermal history

1870 – mining extraction

1913– geothermal electricity

TODAY: Production Innovation Environment Community integration

Current Capacity: 761 MW, Status: in operations since 1913 world's first geothermal project

Stable production growth in more than 100 years

- > Project: Stillwater, Nevada, USA
- Capacity: 33.10 MW + 26.4 MW PV + CSP
- > Status: in operations
- > Key Features: world's first hybrid solar-geothermal power plant with PV and CSP
- > Other hybrid project in operation in Italy with Geo + Biomass

- > Project: Cerro Pabellon Phase I, Chile
- > Capacity: 50 MW (Binary cycle)
- > Status: exploration completed, starting power plant construction
- > Key Features: located in the "Pampa Apacheta" desert at 4,300 meters above sea level

8% reduction in geothermal O&M costs achieved, 2019 target almost met

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Geothermal in Kenya:

Resource

- Currently ~600 MW in operation
- Potentially ~10,000 MW to be developed

Investors

Traditional large geothermal industrial players willing to invest in Kenya on integrated projects

Financial investor willing to invest in advanced developed project (after exploration)

Opportunities

Kengen

GDC - Geothermal Development Company

Greenfield local private developers owning few geothermal licenses

Enel Green Power

Geothermal in Kenya:

Resource, investors and opportunities

Opportunities

Investors

Kengen	Focused only within Olkaria field, almost completely exploited	Limited space for further significant development
Local developers	Lack of technical know-how and financial capability to develop geothermal projects	Too big gap between international investors and local developer
GDC	Institution fully dedicated to de-risking geothermal prospects and fast-tracking private investments Delays due to the number of geothermal field to be developed in parallel	Good opportunities in upcoming tenders and PPP Impossible to fully exploit Kenyan geothermal resources alone and quickly

... is there another way to speed up geothermal?

- To select a **number of geothermal field/licenses** to be developed starting greenfield
- To issue a public international **prequalification process** to select **large industrial geothermal players able to commit into deep exploration**, exploitation and power conversion, on a defined timeline
- To assign licenses to committed prequalified players

Enel Green Power EGP value proposition for geothermal

Willing to develop a geothermal license only investing in the whole value chain,

Enel Green Power is able to take exploration risks

Creating Share Value to local energy industries by bringing geothermal expertise: EGP has developed the geothermal technology worldwide whilst transferring value locally (i.e. training, side and complementary businesses)

Dedicating resources to one new geothermal exploration front at a time: East Africa region is among the best spots worldwide Project quality and timing toward internal competition

Addressing DFIs facilities or grants more efficiently as an industrial investor Geothermal investment is <u>never</u> completely de-risked → <u>ever</u> a play for large industrial players

Green Power

ENERGY TO LIFE