



Storengy's geothermal expertise and views

EGEC Conference

Brussels – April 2016, 6.

Agenda

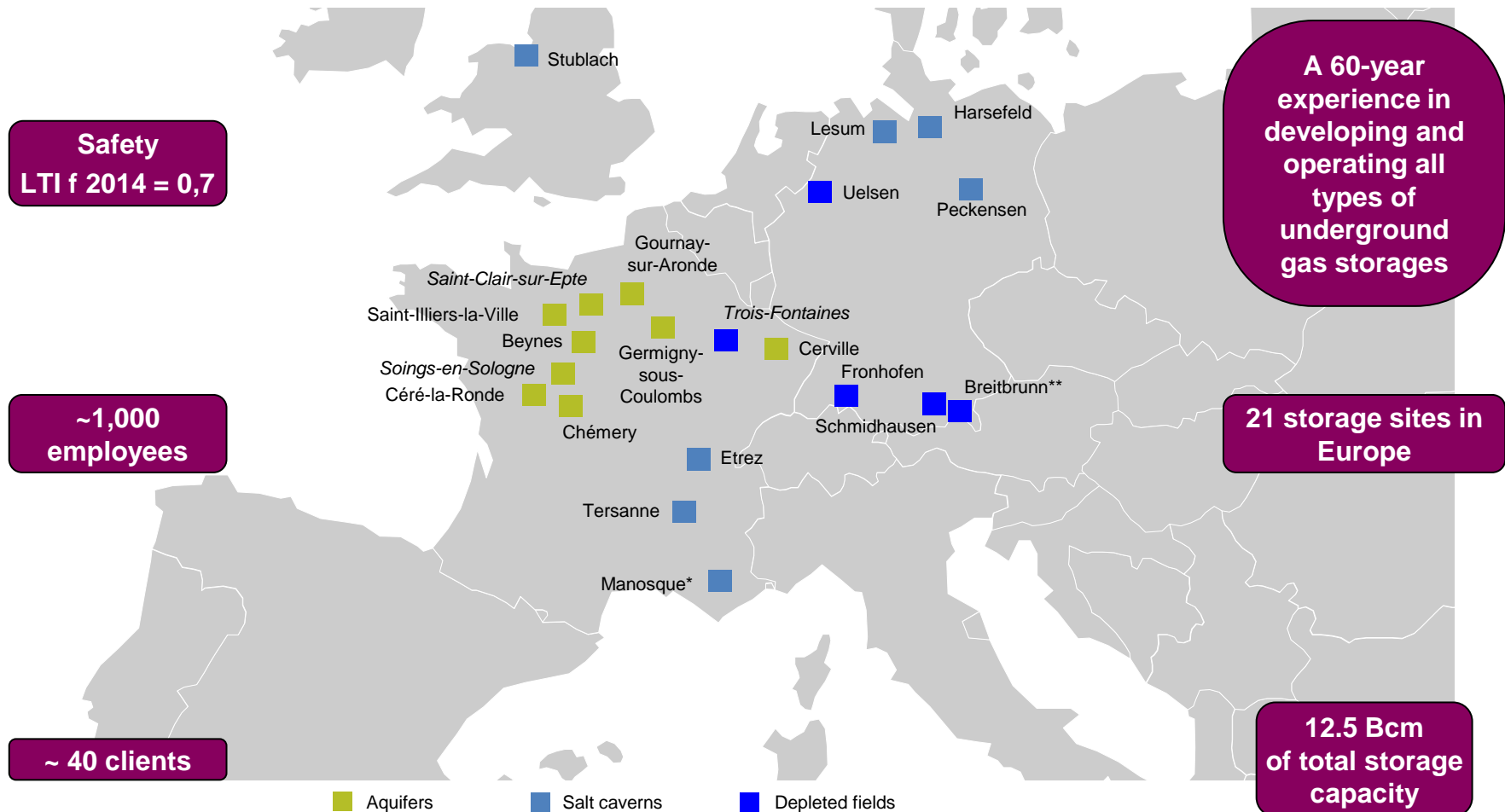
1. Presentation of Storengy
2. R&D priorities
3. Exploration decision making

1

Presentation of Storengy

1. Presentation of Storengy (1/5)

Storengy: a diversified European footprint & leadership in UGS.



1. Presentation of Storengy (2/5)

Storengy is a subsidiary of ENGIE, a worldwide and diversified company.

ENGIE develops its businesses (power, natural gas, energy services) around a model based on responsible growth to take up today's major energy and environmental challenges.



152,900
employees
worldwide



58,200
in power
and natural gas



94,700
in energy
services

A RESPONSIBLE GROWTH MODEL



No. 1 producer of
non-nuclear power
in the world.

Activity
in close to
70 countries.

THE PROMISE OF RELIABLE POWER



No. 1
Independent
power
producer (IPP)
in the world.

115,3 GW of
installed power-
production capacity
throughout the
world.

DIVERSIFIED GAS-SUPPLY SOURCES



No.1 importer of
LNG in Europe and
No.3 importer of
LNG in the world.

346 exploration
and/or production
licenses in
17 countries.

SIGNIFICANT FINANCIAL CAPACITY



€74.7 billion
revenues in
2014.

€6 to €7 billion of
gross investment
a year
over 2014-2016.

BALANCED AND PRAGMATIC DEVELOPMENT



50% increase in
renewable-energy
capacity between
2009 and 2015.

10.5 GW of power
production capacity
under construction

THE ASSURANCE OF COMPETITIVE NATURAL GAS



No. 3 buyer of
natural gas in
Europe.

No. 2 natural gas
transport and
No. 1 natural gas
distribution
networks in Europe.

FULLY EMBRACING OUR ROLE IN SOCIETY



35% of women
among high-
potential managers
in 2015.

CONTROLLED ENERGY CONSUMPTION

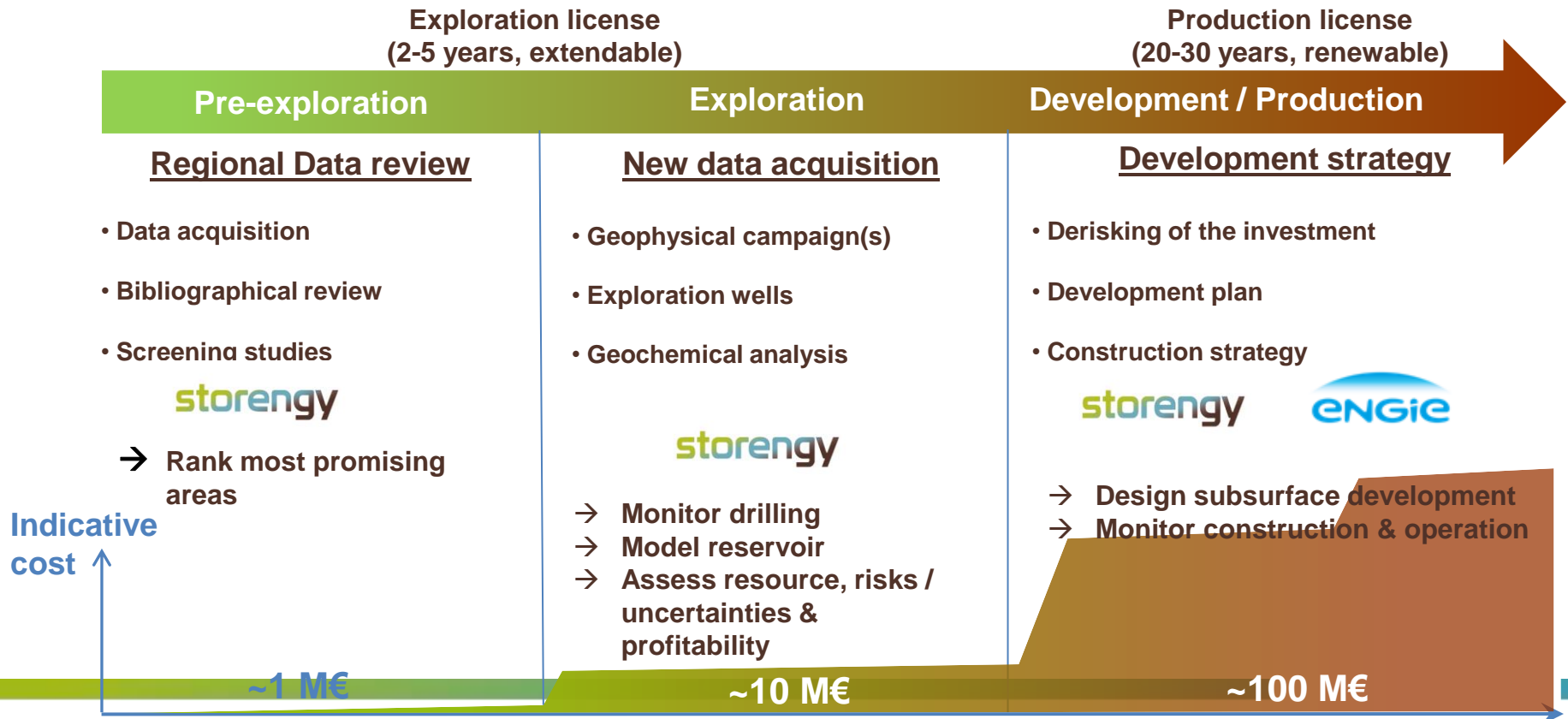


No. 1 supplier of
energy efficiency
services
in the world.

230 district cooling
and heating
networks operated
throughout
the world.

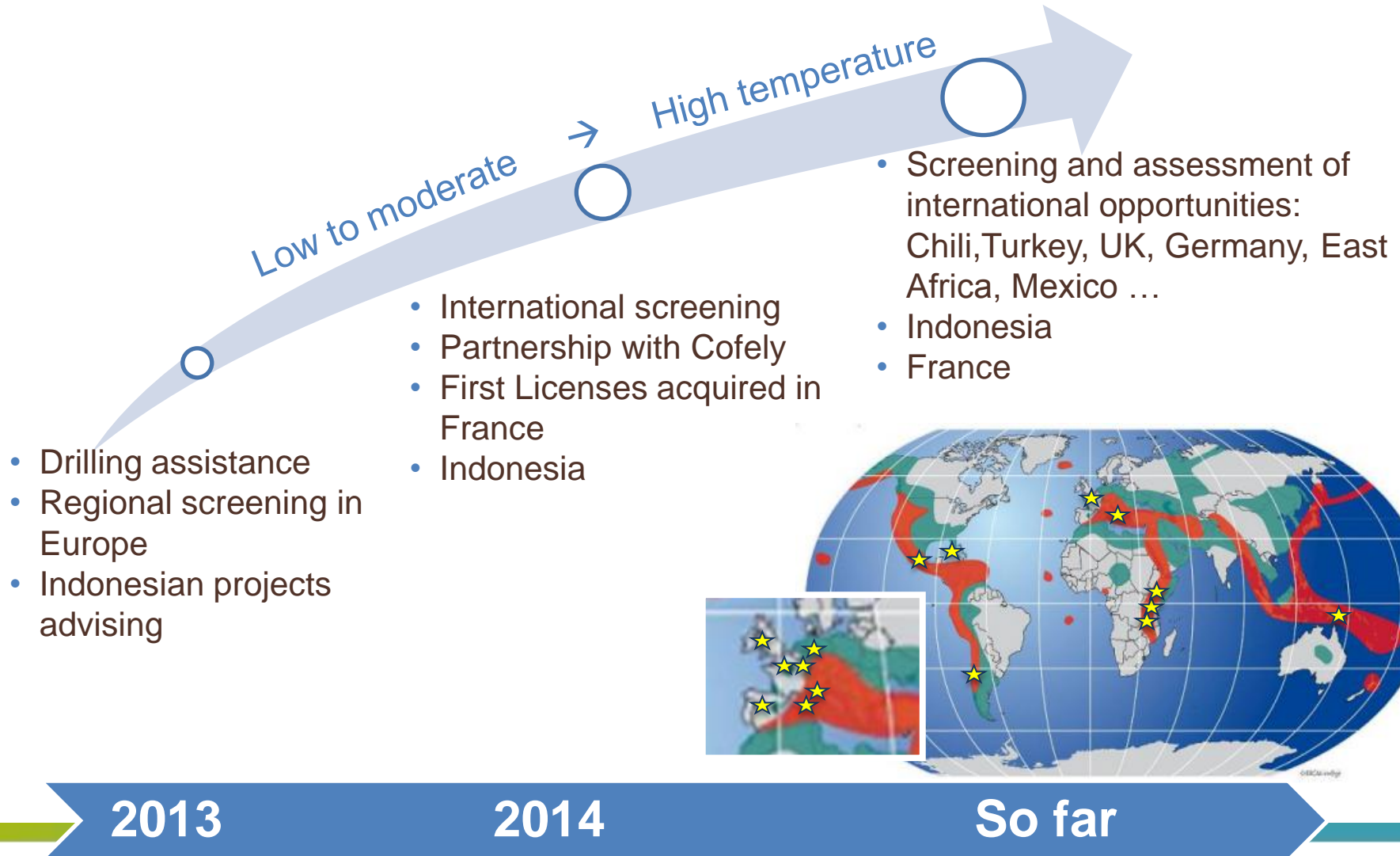
1. Presentation of Storengy (3/5)

- ENGIE owns the full range of expertise allowing to manage entry barriers from resource assessment to marketing and sales.
- Storengy brings its expertise during the key phases of the project.



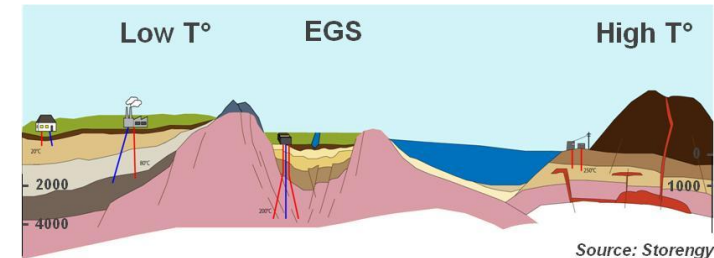
1. Presentation of Storengy (4/5)

Storengy: a strong commitment to geothermal development.



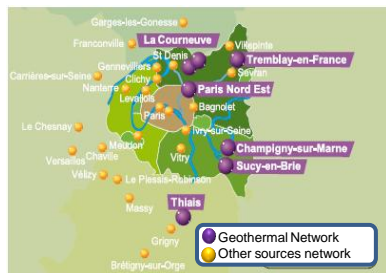
1. Presentation of Storengy (5/5)

Several on-going developments based on a solid experience.



District Heating Network

Paris Area



- 30 years of experiences;
- 10 existing geothermal district heating network in Paris region;
- Supplying more than 60,000 housing units;
- 100 MW of geothermal power.

5 on-going projects



- Eco-districts and eco-tourism;
- Public and Private projects
- Several exploration rigs in France between 1000 and 2000m.

Power generation projects

Indonesia



- Three licences on Sumatra island, Muara Laboh, Rajabasa and Rantau Dedap;
- A strong partnership with PT Supreme Energy, Sumitomo Corporation et Marubeni Corporation;
- PPA signed for 30 years with PLN, the Indonesian public utility.

2

R&D priorities

2. R&D priorities

- Storengy welcomes the creation of a European Technology and Innovation Platform (ETIP) on Deep Geothermal.
- This provides an excellent opportunity to clarify what is Enhanced Geothermal Systems (EGS) ...
- ...in order to avoid any misunderstanding with other technologies such as Geothermal High Temperature.
- The environmental impact of all infrastructure projects should be rightly considered: public acceptance is key.

Message 1: EGS should be clearly defined in order to avoid any misunderstanding with other technologies such as Geothermal High Temperature.

3

Exploration decision making

3. Exploration decision making

- Geothermal exploration projects have a significant amount of risks associated with uncertainties encountered in the discovery of the geothermal resource.
- Main challenges: 1) understanding when and how to proceed in an exploration program, 2) when to walk away from a site.
- Oil & gas industry have a strong expertise in subsurface: they have developed databases that could considerably improve our decision making.
- The access to these databases is key for our business.

Message 2: a partnership with the oil and gas industry should be defined in order to organize the transfer of databases essential to our business.



Thank you for
your attention!