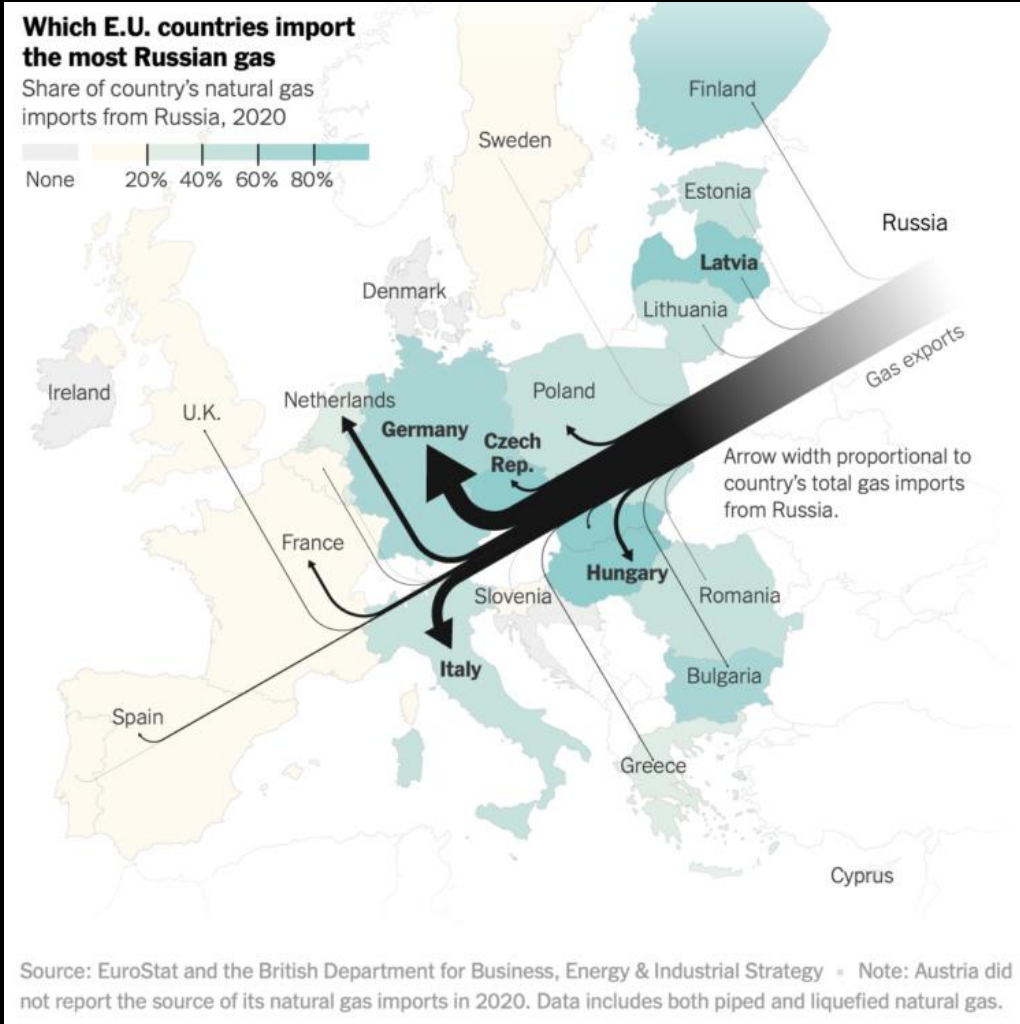




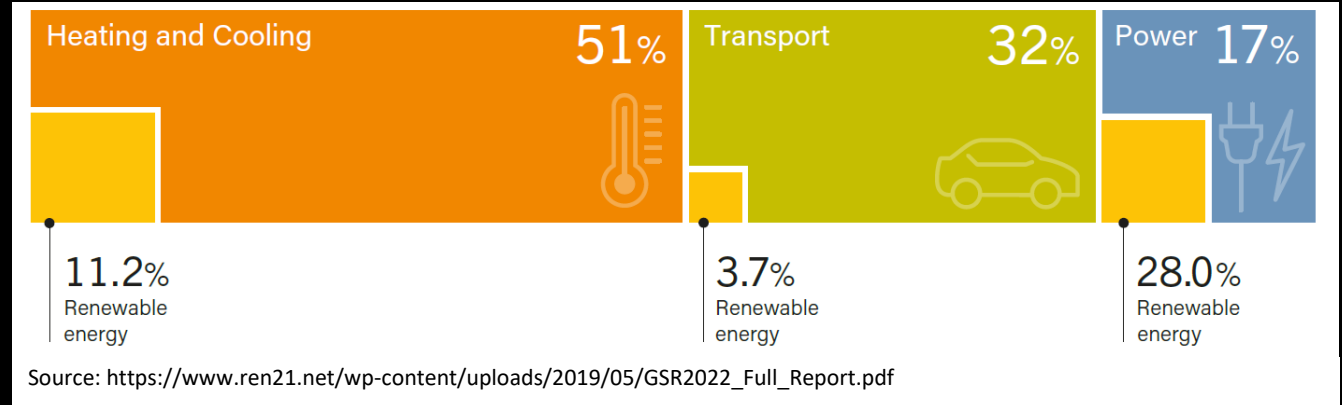
Enabling Local Clean Energy Autonomy. Everywhere.

Context

We're over reliant on Russian gas



Power is only part of the problem



We still need to hit the GHG targets

GHG EMISSIONS MILESTONES & TARGETS

(index 100=1990)

	2000	2005	2010	2018	2019	2020 GHG MILESTONE & TARGET	2030 GHG TARGET
EU27_2020	92.1	94.2	86.8	79.0	76.0	80*	60

Source: <https://op.europa.eu/en/publication-detail/-/publication/41488d59-2032-11ec-bd8e-01aa75ed71a1/language-en>

Energy Source Requirements

Eavor-Loop

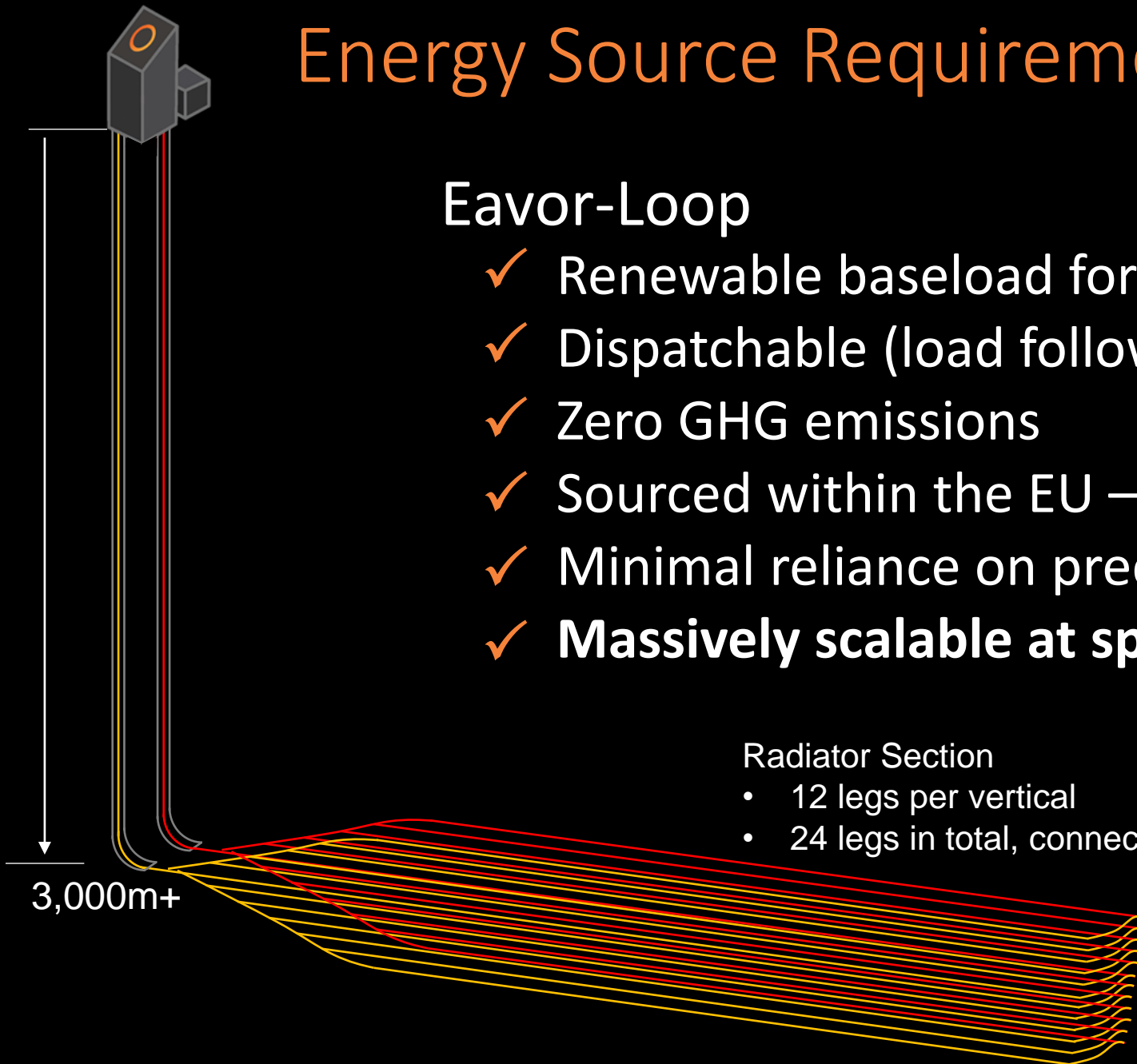
- ✓ Renewable baseload for both heat and power
- ✓ Dispatchable (load following) power generation
- ✓ Zero GHG emissions
- ✓ Sourced within the EU – energy security & job creation
- ✓ Minimal reliance on precious metals
- ✓ **Massively scalable at speed**

Radiator Section

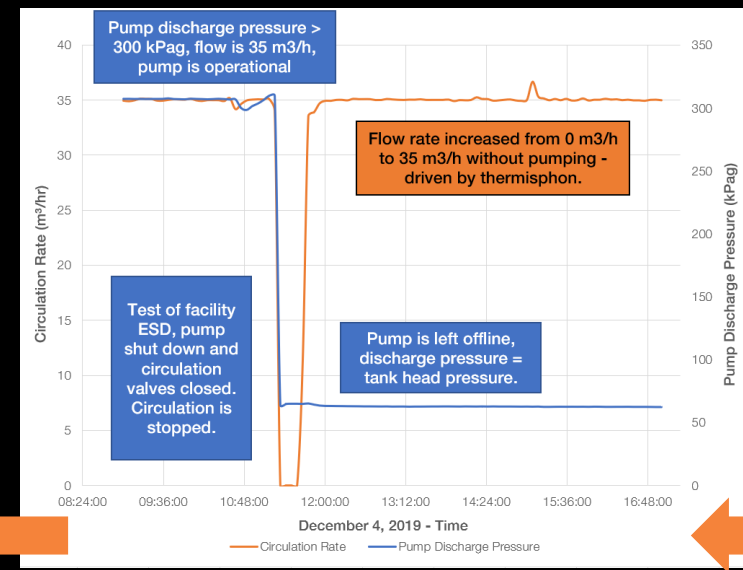
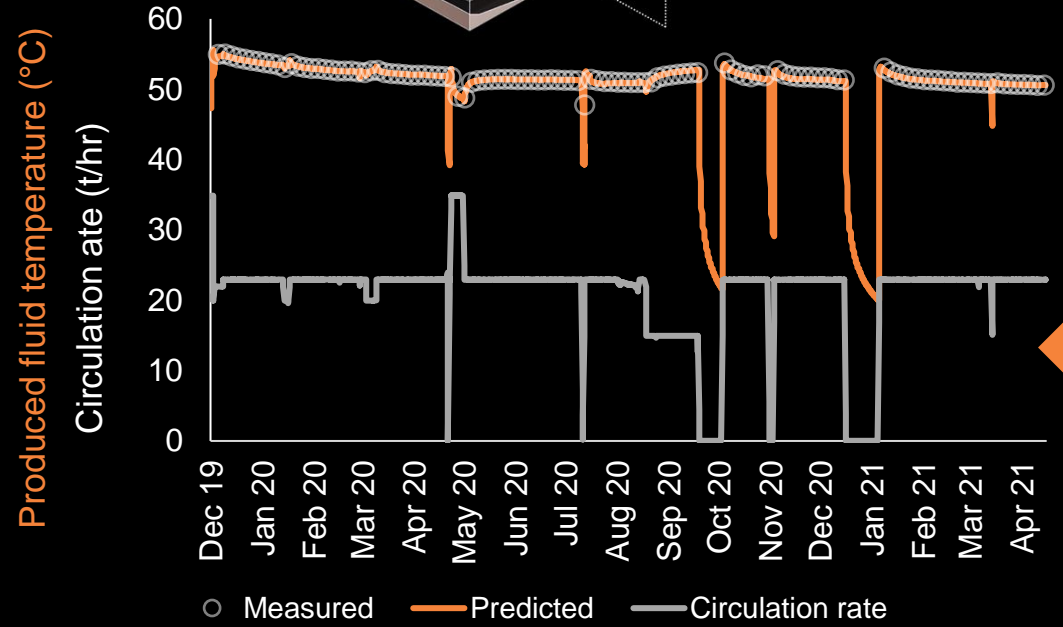
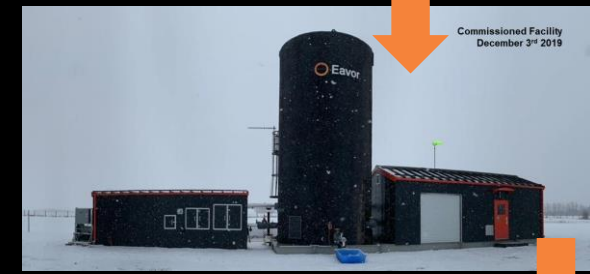
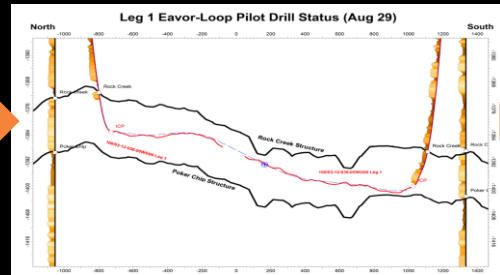
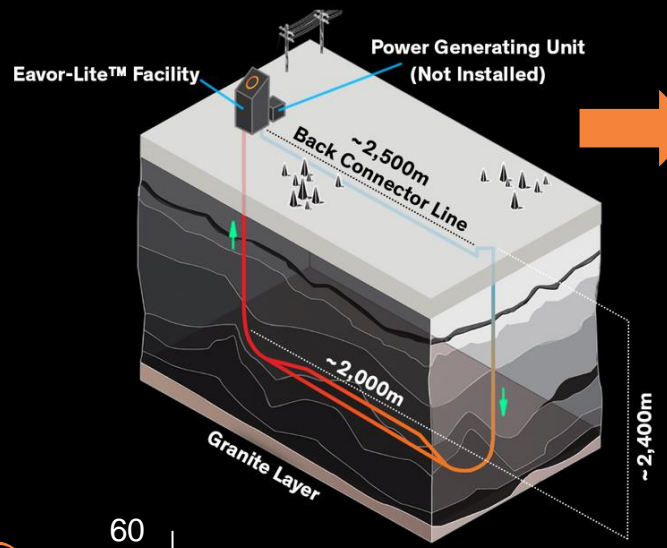
- 12 legs per vertical
- 24 legs in total, connected in pairs

Eavor-Loop Energy Output

- 2MWe to 10MWe per radiator
or
- 15MWth to 75MWth
- 10 radiators per well pad
- 2GWe per Km² surface area



Eavor-Lite™ Summary



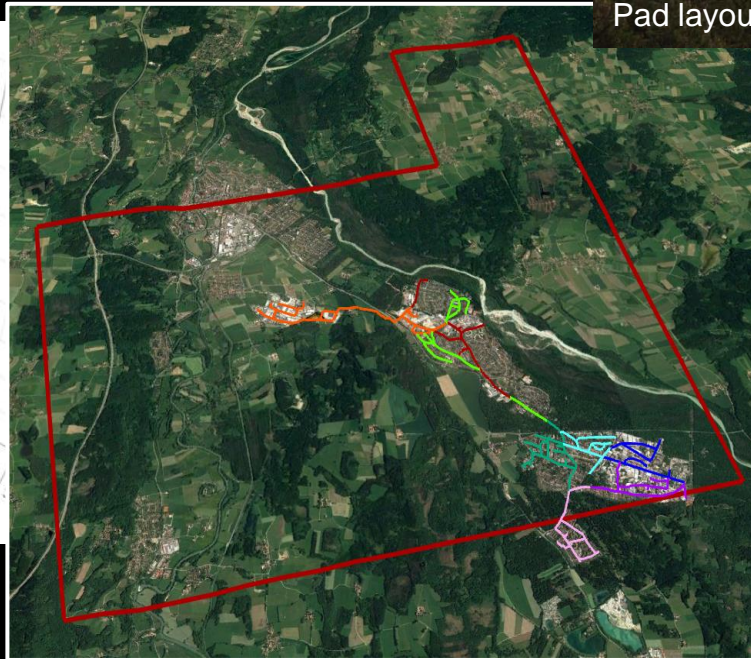
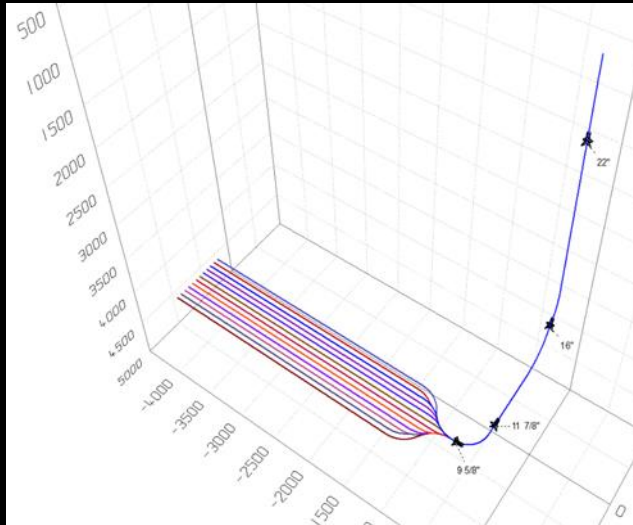
Technical Objective	Status
Drill and Intersect	✓
Pressure-test Rock-Pipe™ completion system	✓
Validate Thermodynamics	✓

Geretsried, Germany

- EUIF 2nd round application
- In partnership with Enx Power Germany GmbH
- Combined Heat and Power; 65 MW_{th} / 8 MW_e
- First 2MWe power in 2024
- GHG reductions: 40,000 t CO₂ / year
- Can be scaled to 200MWe

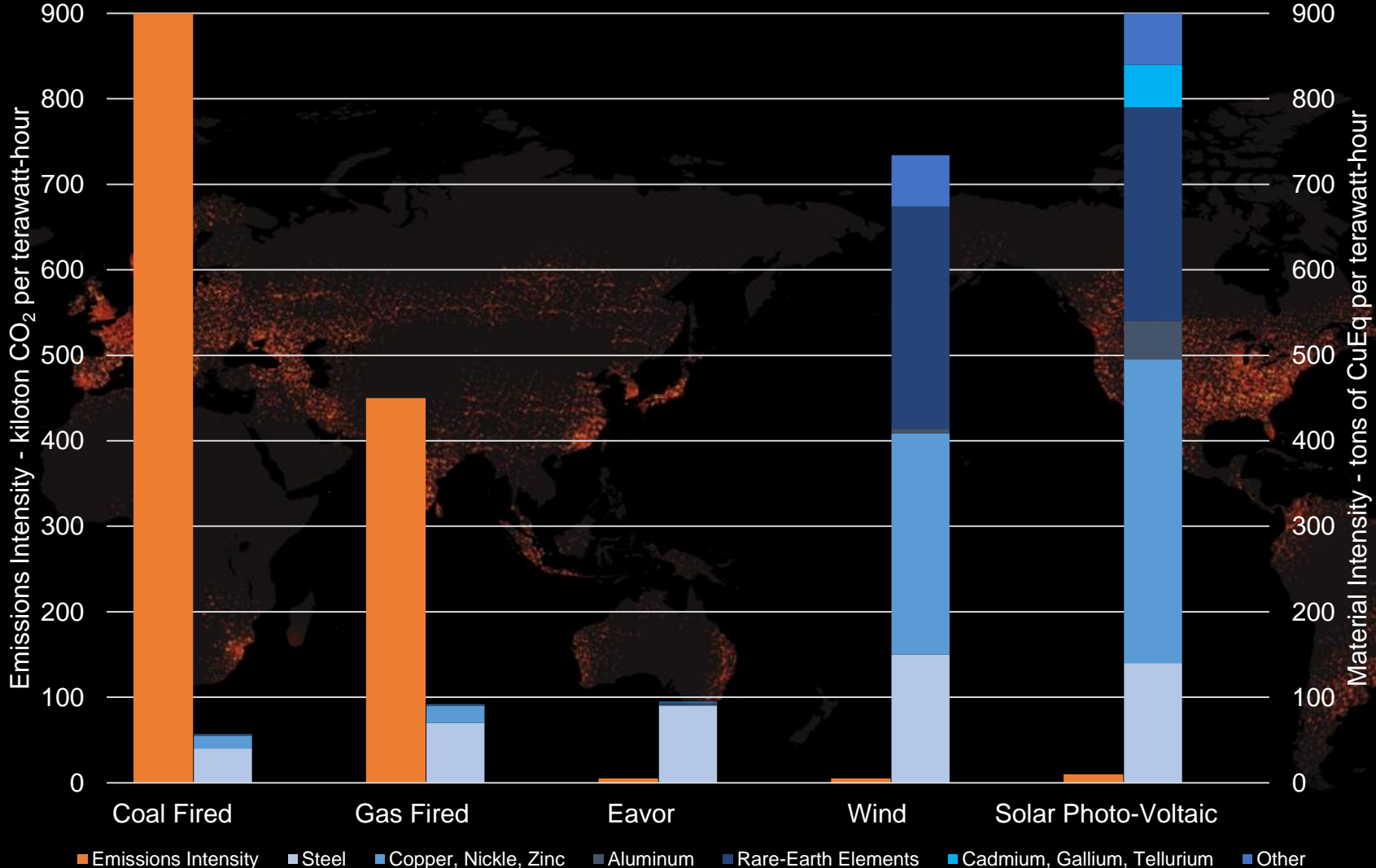


Pad layout during drilling operations



Completed site layout for normal operations

Eavor-Loop: Low emissions & materials intensity



Source: McKinsey
 The raw materials challenge: how the metals and mining sector will be at the core of enabling the energy transition, 2022

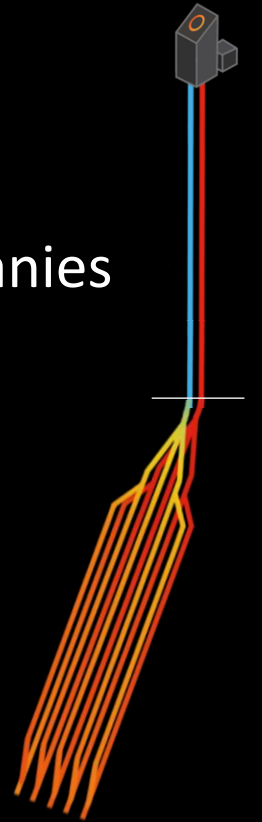
Eavor-Loop™

What makes it scalable?

- Few geological constraints as no aquifer is required.
- Leverages the subsurface knowledge, drilling experience, technologies, companies and supply chains from the oil and gas industry in the EU
- Expertise, technology, raw materials (steel and cement) sourced within the EU
- It is “geothermal manufacturing”

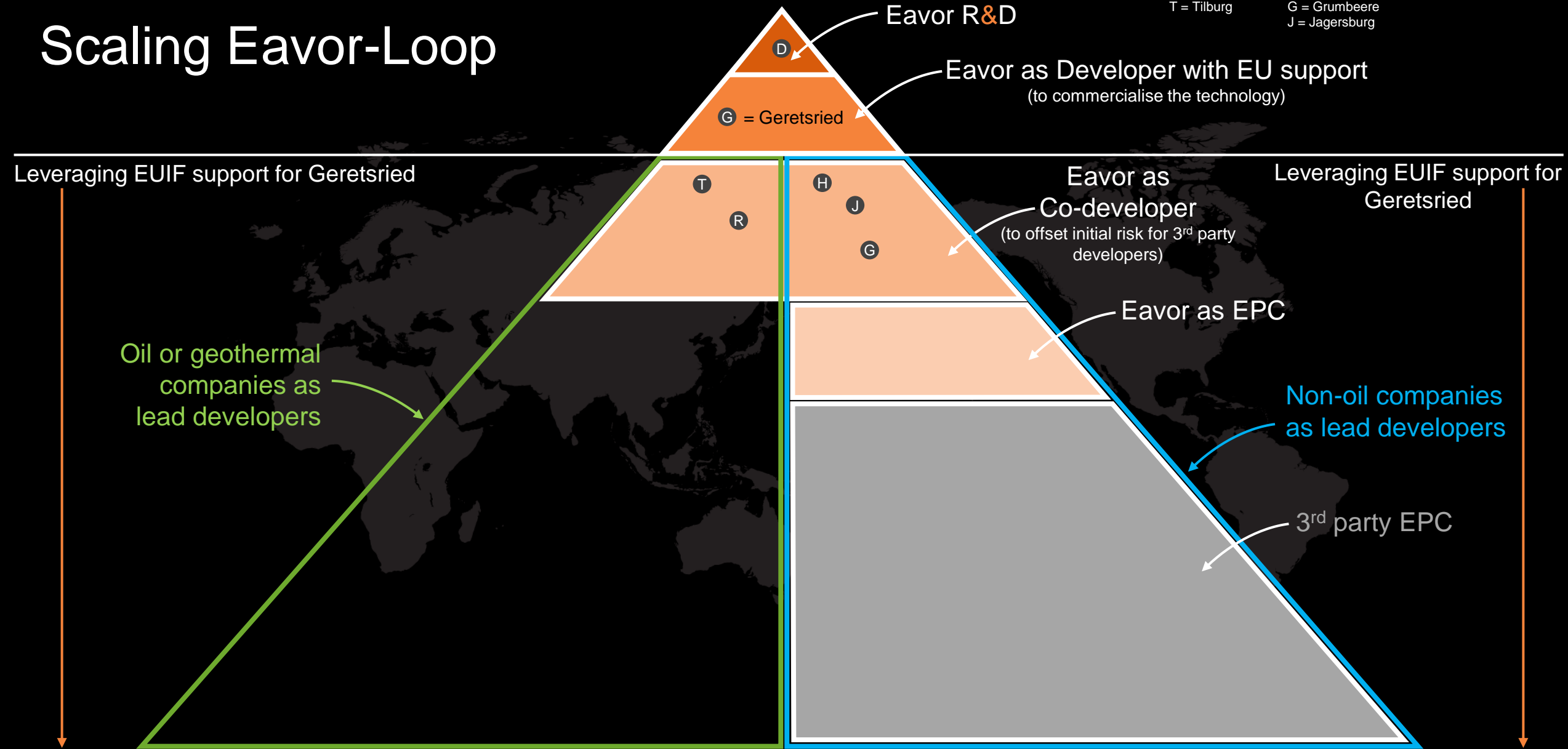
Characteristics of the optimum project?

- District Heating in larger cities. 1 Eavor-Loop will generate around 15MW (at 30C/km). This is baseload (water heating) for a city of 100,000 people.
- Power generation where scale is possible, ideally >100MWe.



Scaling Eavor-Loop

D = Eavor-Lite™ R = Romania
G = Geretsried H = Hannover
T = Tilburg G = Grumbeere
J = Jagersburg





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Geothermal Energy at Scale.

Enabling Local Clean Energy Autonomy. Everywhere.