

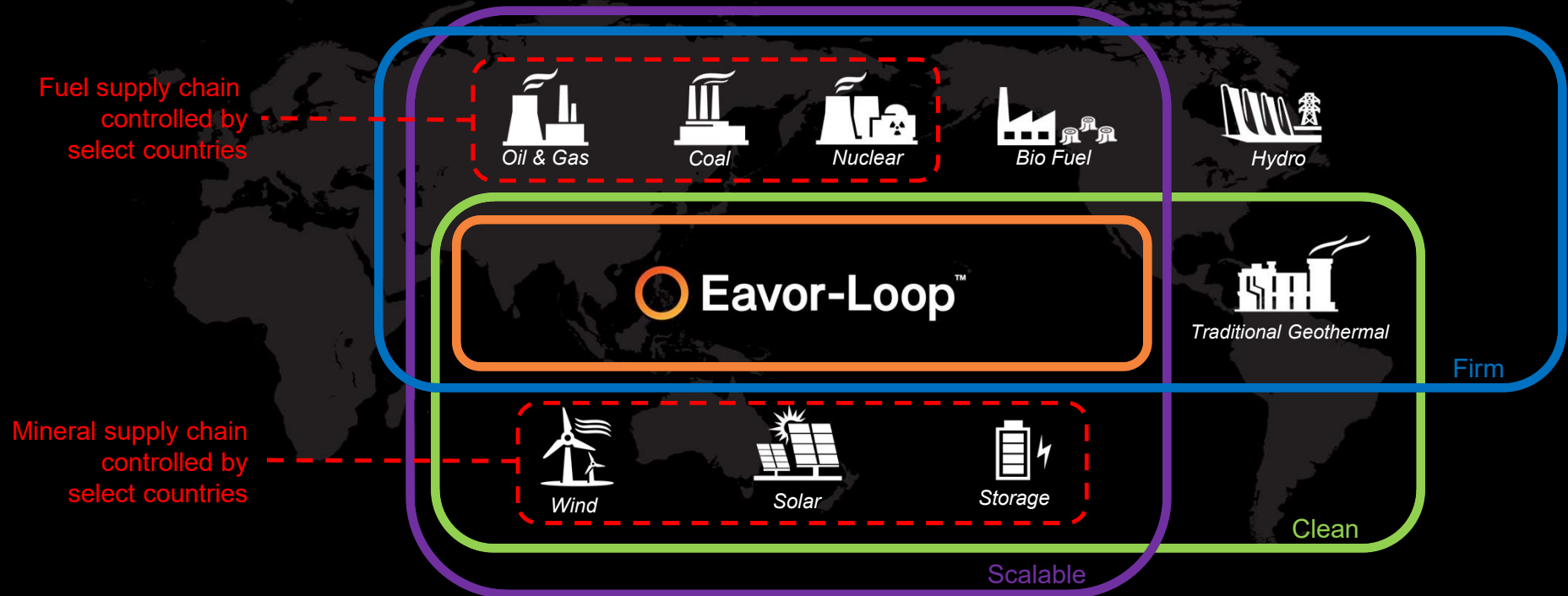
## A Disruptive Global Renewable Energy System would be:

- 1) Reliable & Flexible (“Firm”) – available 24/7/365 but dispatchable
- 2) Clean – full lifecycle analysis indicates low environmental impact
- 3) Scalable – can expand to meet global demand
- 4) Secure – Domestic source and supply chain
- 5) Local – The source can be placed near the customer to minimize losses and transmission infrastructure
- 6) Low cost – lowest production cost/consumer price while delivering on other promises
- 7) Small surface footprint – efficient land use



# Eavor-Loop™ – A New Energy Category

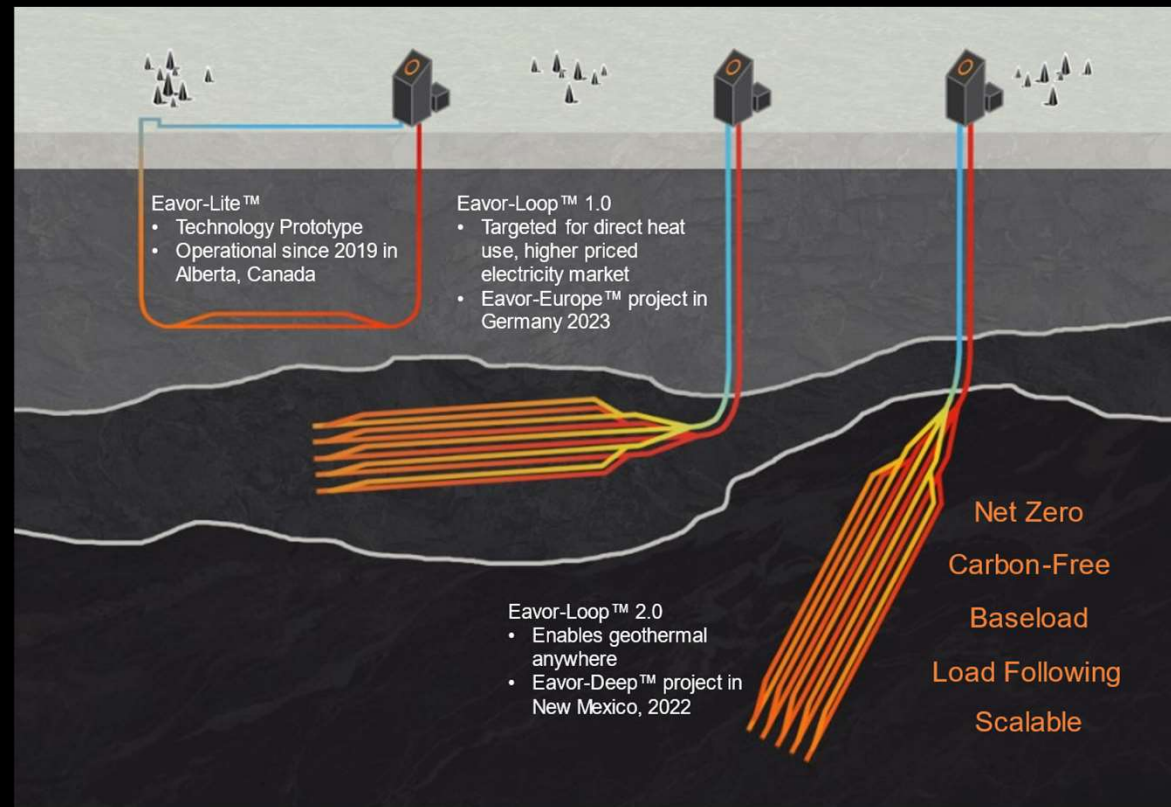
Eavor-Loop™ is the world's first and only viable form of firm, clean, lossless-load-following, and scalable energy



# Technology Overview

Eavor-Loop™ is the world's first multilateral closed-loop geothermal system

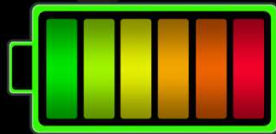
- Closed system: working fluid circulates in isolation from subsurface (no fluid exchange)
- Heat is transferred from rock to working fluid as it circulates and is then extracted at surface
- No circulation pump required: working fluid flows naturally due to thermosiphon effect
- [Video: how Eavor works](#)



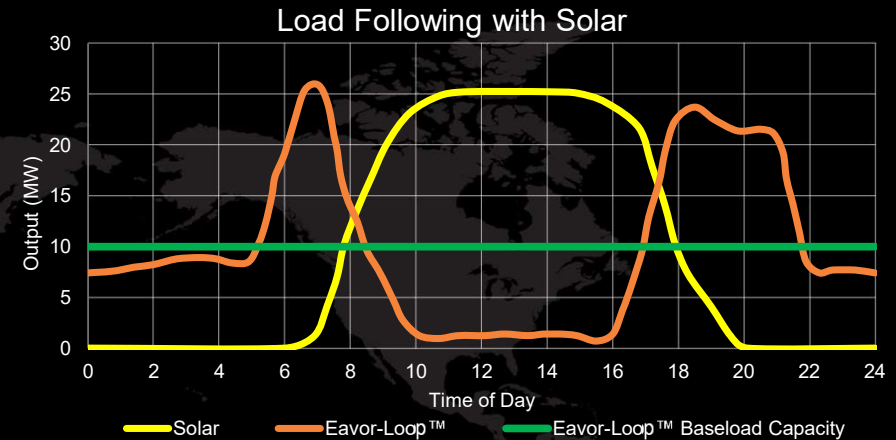
# Eavor-Loop™ - Dispatchability

Eavor can provide load following output:

- Transient operation allows system to charge during low-demand periods and discharge during high-demand periods
  - Transient ability demonstrated at Eavor-Lite™
  - No material impact to net energy output over life of the project
- Can provide different shaped outputs to meet end-user requirements:
  - Especially complementary to jurisdictions with heavy solar penetration (e.g., California, Nevada, Chile, etc.)
  - Can improve grid stability, solve ramping issues
- Eavor-Loop™ competes with energy storage and night-time gas alternatives



Eavor Earth Battery™



	Li-ion Battery [1, 2, 3]	Eavor
Storage Hours	8	8 – 20
Operational Life (Years)	10	30
Capacity Degradation	25%	0%
Depth-of-Discharge Limit	90%	90%
Battery Energy Cost (\$/MWh)	>125	<75

[1] Smith, K., Ziwei, C., et al. *Life Prediction Model for Grid Connected Li-ion Battery Energy Storage System*, 2017

[2] NV Energy, 2019

[3] Tesla, 2020





***Enabling Local Clean Energy Autonomy. Everywhere.***