seismicity, no GHG or CO_2 emissions, no ongoing water use, no produced brine or solids requiring treatment, and no aquifer contamination.

Truly scalable technology

A single Eavor-Loop™ installation generates industrial-scale electricity for ~2,000 homes or produces sufficient heat for ~16,000 homes. It is possible to increase the heat generation capacity of the system by adding up to 12-14 multilateral legs. Just as shale wells, multiple Eavor-Loops can be manufactured on one pad to scale up the project to the desired heat or power output.

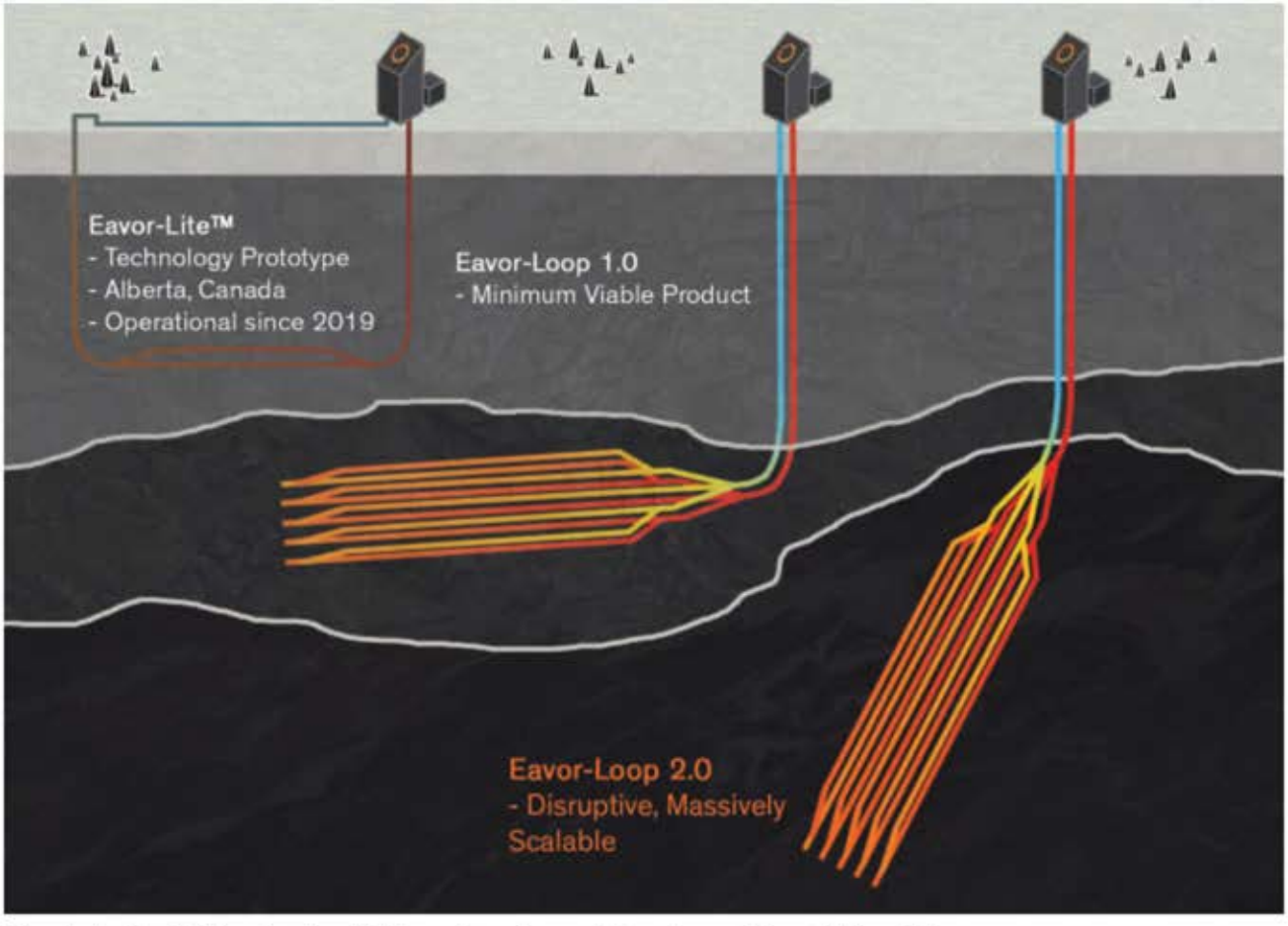
Advantages

Eavor technology offers several distinct advantages over other forms of energy:

1. Dispatchable power. An Eavor-Loop™ can soak up extra heat during low demand and discharge it during high demand. As such, this system can continuously adapt to match end-user requirements and provide grid stability as needed. Therefore, it pairs nicely with the intermittent energy sources (and can share their transmission infrastructure).
2. Black-start capable. Eavor-Loop™ can restart electric power generation without relying on an external electric power transmission network to recover from a total or partial shutdown.
3. 3small footprint. An Eavor-Loop™ has a small footprint that makes it suitable for installation in urban settings or proximity to transmission networks. For the same surface land use, an Eavor-Loop™ can generate 35x more energy than solar and roughly 300x more than wind. Eavor can utilize abandoned well sites or repurpose abandoned industrial sites. At this time, Eavor is focusing on abandoned or failed traditional geothermal projects or shut-in oil and gas sites.
4. Reliable baseload power. Eavor's capacity factor is 98% when generating baseload power compared to ~40% for wind and ~30% for solar.
5. Predictable results. It is possible to model the Eavor-Loop™ on paper and predict the exact amount of thermal output to execute 20-year plus power purchase agreements. Because of the complete isolation from the subsurface and the reliance on conduction, the system is not subject to the vagaries of the highly variable subsurface with concerns about an unexpected thermal breakthrough or sudden loss of porosity/permeability.
6. Factory production. A traditional geothermal project requires 8-10 years for development; an Eavor-Loop™ can be built within 18 months.

Technology roadmap

Eavor's technology consists of several patent-pending innovations. The technology is being developed in several progressive phases. **Eavor-Lite™** was a



Eavor technology is being developed in three phases from prototype to massively scalable projects.