

# Features of Eavor-Loop™

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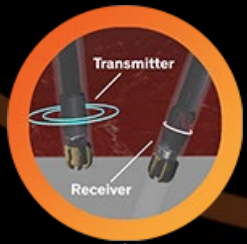
## Rock-Pipe™

The profiled multilateral sections are completely separated from the rock and each other using Eavor's protective Rock-Pipe™ completion technology. Working fluids are permanently isolated and contained within the system.



## Insulated Drill Pipe

Insulated Drill Pipe (IDP) is key to our hotter/deeper project plans. We have developed & built IDP technology that converts conventional pipe into a means to control bottom-hole temperatures. This serves two purposes; to actively cool off-the-shelf drilling technologies to reach depths and temperatures previously seen as impossible, and to increase drilling speed.



## Magnetic Ranging

Magnetic Ranging Technology, a borrowing from the energy services sector, provides us the ability to accurately intersect our wells at a target depth. The process is efficient and safe, using magnetic ranging signals from one BHA to the other.



## Dispatchability

An Eavor-Loop™ can slow down and even pause its flow, to allow the fluid to stay within the hot rock for a longer period of time and pick up additional charge. The Eavor-Loop™ can then ramp up and dispatch that higher temperature fluid, on-demand when the sun goes down or the wind stops blowing...



## Modular Organic Rankine Cycle

The ORC (Organic Rankine Cycle) turbogenerator uses medium-to-high-temperature thermal oil to preheat and vaporize a suitable organic working fluid in the evaporator. The organic fluid vapor rotates the turbine, which is directly coupled to the electric generator, resulting in clean, reliable electric power.



## Multilateral Junctions & Whipstock

During the drilling process, in the vertical section of the Eavor-Loop™, we create junctions where the multilaterals will be drilled from. The direction of the drill bit is adjusted using a whipstock which is inserted ahead of the drill bit to guide the bit through a specific junction.