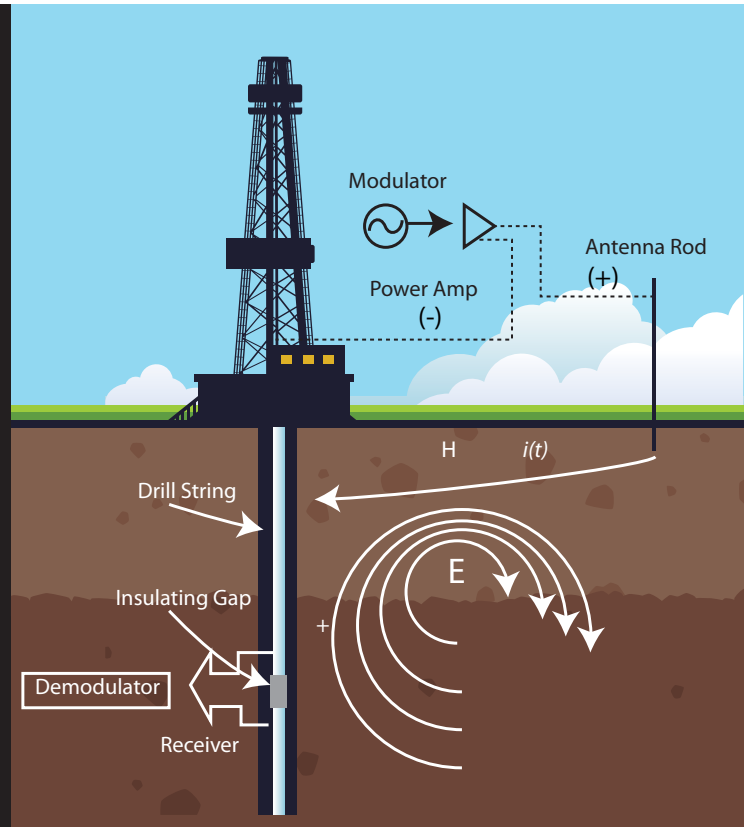


The E-TRAX Advantage

E-TRAX represents a completely new and revolutionary approach to facilitating underground wireless telemetry. E-TRAX EM System provides a wireless communication link between sensors deployed deep in oil and gas wells and data-acquisition equipment located on surface.

Unlike conventional electromagnetic receivers, the E-TRAX receiver utilizes multiple input channels to extract very weak signals from large amounts of ambient noise by allowing the receiver to more effectively discriminate the signal.

Every element of the E-TRAX EM MWD System design, from power efficiency to reliability, has been optimized to extend operational length and improve noise immunity. This system includes a rugged down-hole tool assembly consisting of a gap-sub antenna package, an electronics assembly and battery package. The Axis E-TRAX EM System surface package includes a power amplifier to provide two-way communication with the down-hole tool assembly.



- Fast and efficient, Dual 2 way communication from surface, make programming changes, power adjustments frequency changes in seconds all by a click of a button.
- Power frequency technology in the transmitter and surface gear for Deeper more reliable EM Frequency transmission and decoding.
- Ability to power off the tool to maximize battery consumption
- Extremely fast data rates for faster horizontal drilling.
- 20 second survey time reducing costly rig time.
- A standard mwd BHA for Both EM and Pulse allowing a wireline swap between systems without trip time.
- Standard BHA reduces tubular costs and BHA makeup time.
- The E-TRAX receiver enhances the ability to extract very weak signal from large amounts of ambient noise.
- Ability to adjust downlink power settings from 10 watts to 1000 watts.
- Extremely fast down link time period. Less than 1 minute.
- Enhanced Noise filtration from surface with military grade patented technology.
- Stream line rugged Wireless rig floor display for ease of use.
- Ability to adjust gain setting on individual antenna at any time for focused signal detection.
- Ability to analyze gap sub resistance from surface to determine gap sub reliability and performance.

www.axisenergyservices.com