Schlumberger

TruLink

Aligned with United Nations Sustainable Development Goals:
12—Responsible consumption and production,
13—Climate action, 17—Partnerships for the goals.

Definitive dynamic survey-while-drilling service

High-definition wellbore architecture from tophole to TD

Emissions Reduction:
Lowers rig engine-related CO_2 emissions by reducing time over the wellbore.

Where it is used

TruLink* definitive dynamic survey-while-drilling service is used for onshore and offshore drilling.

How it improves wells

TruLink service ends costly survey time, reduces pipe stationary time, lowers rig engine-related CO_2 emissions, and provides increased trajectory control and continuous, real-time borehole conditions to lower drilling risks and quickly reach total depth.

Cuttings accumulation while building the curve slows ROP, which increases the risk for stuck pipe. TruLink service enables drillers to limit such conditions by eliminating surveying time, especially in the curve. True three-axis, real-time shock and vibration data enables the driller to react before problems become insurmountable, adjusting parameters such as WOB, mud formulations, and torque—all while drilling.

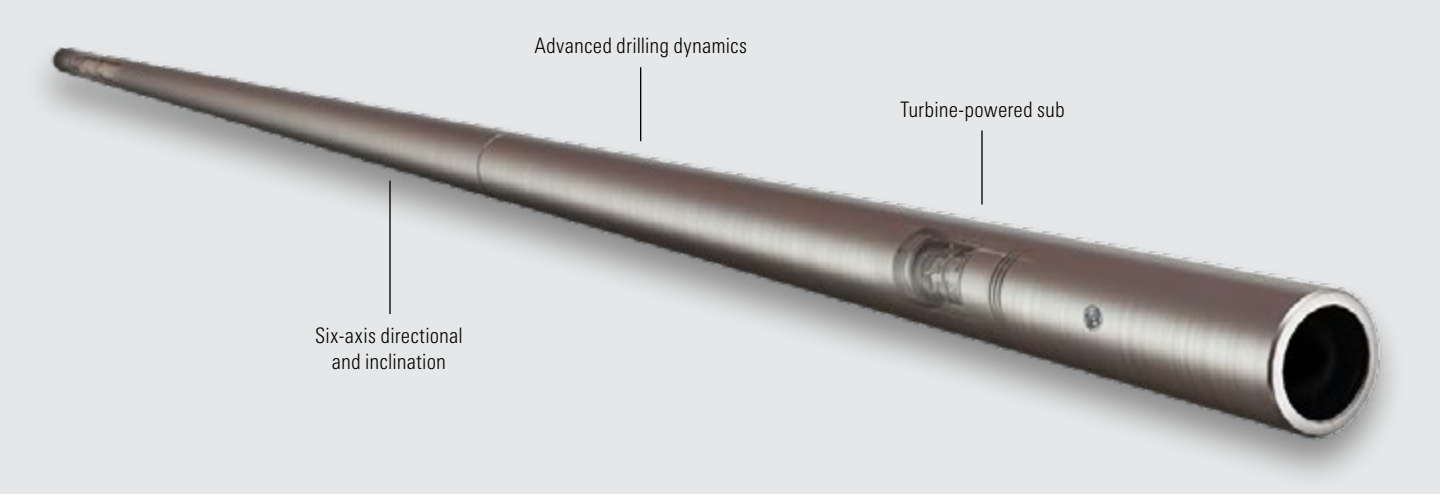
How it works

Built on the industry-leading TeleScope* high-speed telemetry-while-drilling service, TruLink service incorporates new telemetry innovations that enable up to 20 bps. The advanced drilling dynamics design includes three-axis shock and vibration and turbine power. Geological accuracy is refined using EM and gamma ray in combination with continuous six-axis directional and inclination sensors.

The ultimate yield is definitive dynamic surveys, delivered in real time, which enable a more accurate curve in the most complex 3D well profiles where directional control—both inclination and azimuth—must be sustained while minimizing tortuosity that typically accompanies doglegs. By optimizing drilling parameters, TruLink service delivers real-time borehole conditions that reduce time to TD—all while achieving accuracy and speed with superior durability.

What it replaces

Conventional technology for definitive surveys typically requires 9 to 12 minutes per stand, whereas this definitive dynamic survey innovation reduces all survey-related rig time to zero, enabling a continuous definitive survey that helps reduce rig time and associated engine CO_2 emissions.



The TruLink service uses a turbine-powered sub that provides reliable physical telemetry up to 20 bps. The six-axis directional and inclination delivers dynamic surveys while drilling.

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