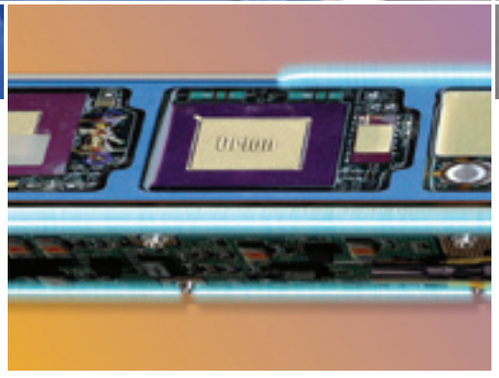
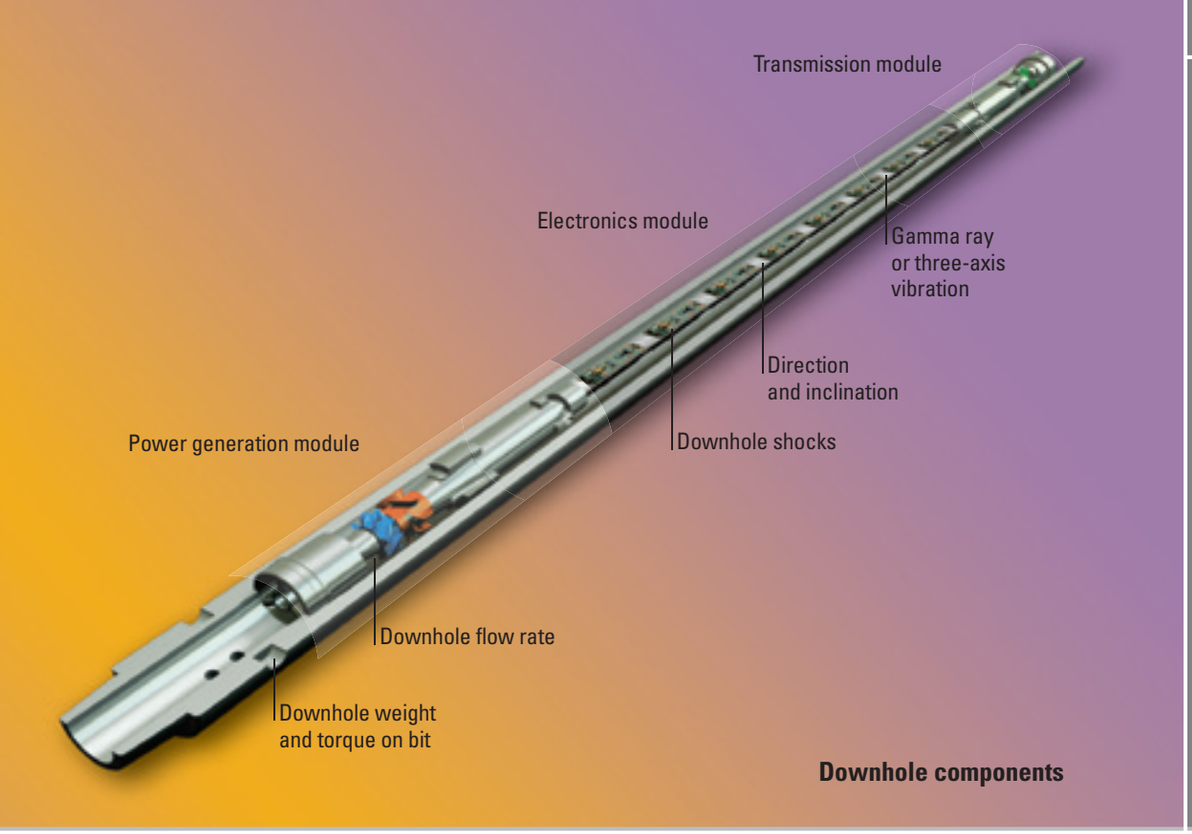
Schlumberger



TeleScope

More data, delivered faster,
while drilling



Downhole components

TeleScope

- **Decisions are based on comprehensive information delivered in real time.**
- **Measurements from multiple tool combinations are available in real time.**
- **Data memory enables postdrilling analysis for planning of future wells.**

Telemetry-while-drilling service quadruples the industry standard data rate to help put wells in the best place in less time.

APPLICATIONS

- **Transmission of multiple real-time measurements during drilling**
- **Well placement**
- **Drilling optimization**
- **Harsh and complex drilling environments, including high-temperature, high-pressure, and deep wells**

The TeleScope* high-speed telemetry-while-drilling service delivers more data, faster—for optimizing well placement, improving drilling efficiency, reducing risk, and, ultimately, increasing production. Welcome to productive drilling*.

SETTING NEW STANDARDS

The TeleScope service is one of the next-generation Scope* services that are setting new standards for data quality and rapid transmission of real-time information while drilling.

Schlumberger has used the experience gained from more than 5 million MWD operational hours to make the TeleScope service reliable, versatile, and efficient.

Internal electronic boards are mounted in a rugged chassis built to withstand extreme shock and vibration. Downhole components are designed for operations at high temperature and pressure.

HIGH-SPEED DATA TRANSMISSION

The TeleScope service and its Orion* telemetry platform effectively leverage the principles of mud pulse telemetry to enhance signal detection and effective data transmission rates. These two advantages significantly increase the amount of information available in real time and enable transmission from greater depths.

DRILLING OPTIMIZATION

The TeleScope service can transmit measurements and data from multiple tools, giving comprehensive downhole information that can reduce drilling risks and improve time efficiencies while drilling. This information includes valuable real-time updates on downhole shocks, vibrations, and flow. In wells where pore pressure knowledge is crucial, the TeleScope service can be combined with another member of the Scope family, the StethoScope* formation pressure-while-drilling service, to provide real-time information for optimal selection of mud weight.

FORMATION EVALUATION

The TeleScope service provides the electrical power for, and transmits data from, other downhole measurement services. Its design maximizes the amount of information available in real time and makes it possible to log borehole sections in greater detail. Combining the TeleScope service and the EcoScope* multifunction logging-while-drilling service, for example, provides both traditional and advanced formation evaluation information in real time for optimal reservoir characterization. All measurement data can be stored in the integrated downhole recording memory for retrieval at surface after the run.

WELL PLACEMENT

The TeleScope service provides accurate static and continuous directional and inclination measurements. A combination of these measurements and formation evaluation data acquired close to the bit by other services makes it possible to land wells on target in less time. The TeleScope service can power multiple logging-while-drilling tools, delivering an unprecedented number of while-drilling measurements.

TeleScope

- High effective data transmission rate
- Ability to power, and transmit data from, multiple downhole tools
- Integrated recording memory
- Accurate continuous and static directional and inclination measurements
- Real-time updates on shocks, vibrations, and flow

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