

# NaviTrak UT directional and gamma MWD service

Get both high-speed EM and reliable MP telemetry in a single tool

The **NaviTrak™ UT directional and gamma MWD service** from Baker Hughes delivers real-time directional information, including hole inclination, azimuth, and toolface orientation. It improves measurement while drilling (MWD) efficiency by sending large amounts of data quickly with high-resolution electromagnetic (EM) telemetry, while also providing the flexibility to augment or switch over to reliable mud-pulse (MP) telemetry as needed in extreme applications. So operators need only one directional and gamma MWD service for both EM and MP telemetry.

Unlike dual-telemetry systems that force operators to choose between MP or EM telemetry, NaviTrak unified telemetry (UT) gives them the flexibility

to optimize real-time data transfer by using both EM and MP data simultaneously. And in the event that EM telemetry is interrupted, UT switches to mud pulse so the operator can still receive directional and gamma data while drilling.

The NaviTrak UT service simplifies deployment with a short tool body that is compact and easy to handle. And having the option to build the bottomhole assembly (BHA) in the workshop means operators never have to wait for tool builds on the rigsite.

Contact Baker Hughes today or go to [bakerhughes.com](http://bakerhughes.com) to learn how the NaviTrak UT service can improve efficiency and reliability in your next drilling operation.

## Applications

- Unconventional shale plays
- Onshore development drilling
- Factory drilling

## Benefits

- Enables accurate wellbore placement with high-definition, high-speed EM telemetry
- Optimizes telemetry by using EM and MP data simultaneously, and switches to MP when EM becomes unreliable
- Simplifies transport and deployment with a short, compact tool body
- Identifies formations for lithology correlation
- Provides flow-off surveys during connections