

## Modular solid-state gyro while drilling service

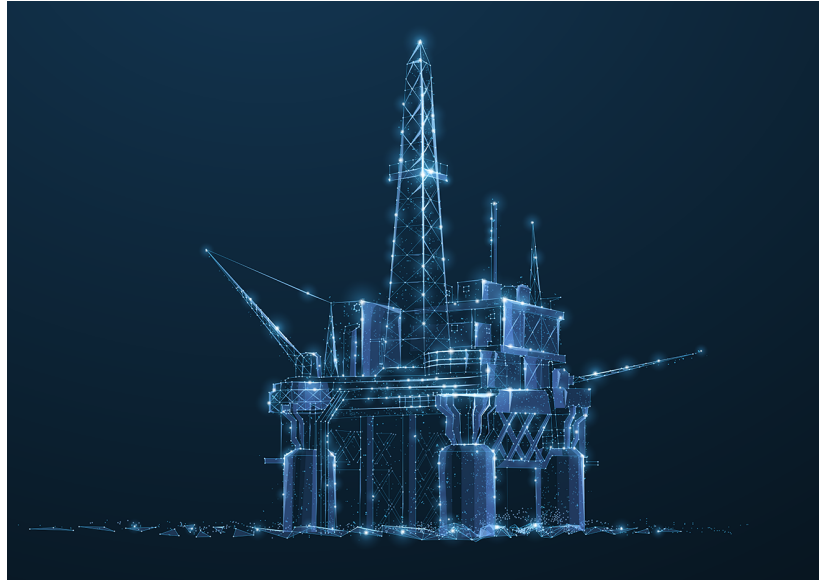
Precision, optimal well placement and surveys during connections.

### Applications

- Onshore and offshore drilling
- Anticollision drilling
- Extended reach drilling
- Precision well placement
- Multiwell platforms or pads
- High latitudes

### Features

- 60 s survey time
- Two single-axis, solid-state high accuracy gyro sensors, three single-axis solid state accelerometers
- Temperature rating of 85 degrees C
- Temperature rating of 125 degrees C (coming soon)
- Precision accuracy unaffected by magnetic interference
- No mass unbalance, very stable calibration
- Rugged design - reliable in extreme drilling environments
- Extended calibration intervals
- All latitudes
- Continuous inertial toolface from vertical (coming soon)
- Horizontal surveying capability<sup>1</sup>

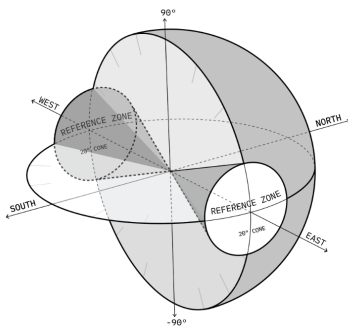


### How the modular Meridian-GWD adds value

The Meridian-GWD gyro while drilling service is a state of the art measurement while drilling tool that used MEMS solid-state north seeking gyro sensors to provide precise wellbore surveys with unparalleled accuracy. Unlike clunky mechanical gyro while drilling systems, the solid-state sensors and high shock and vibration capabilities ensure a high level of reliability and calibration stability.

The sensor technology also results in faster gyro surveys because surveys can be made during connections, rather than upto 20 minutes later. In fact, the Meridian-GWD service can perform upto three surveys in the time mechanical gyros take to spin up for one. Quality control is transparent with horizontal earth rate and gravity checks.

The system is a compact design, with advanced features and modular assembly providing easy intergrations with all the leading MWD/LWD providers.



<sup>1</sup> excludes reference zone, +- 20 degrees of East/West at horizontal for gyro-compassing.