Continuous Btotal™
The Ultimate Real-Time Magnetic Monitoring Solution

DRILL WITH CERTAINTY
Continuous BTotal™ is Scientific Drilling’s proprietary solution that provides early detection for the industry’s toughest challenges including collision avoidance and close-proximity drilling.

Derived from SDI’s high accuracy MWD and gyroMWD technology, Continuous BTotal reduces risk and delivers confidence in the most uncertain environments.

TARGETING WHAT’S IMPORTANT

Continuous BTotal delivers the ultimate value by targeting what’s important to you

- Allows real-time transmission of Btotal curve data while sliding or rotating for increased operational efficiency

- Supports higher resolution data enabling early detection of magnetic interference

- Provides insight into the character, intensity, and closure from the target well while drilling allowing a quicker decision making process

- Delivers significant cost savings by reducing the number of check shots required, decreasing overall rig time

Btotal = $\sqrt{Bx^2 + By^2 + Bz^2}$

Btotal is the total magnetic field intensity measured by the three-axis magnetometer package within the MWD tool. The field intensity of the magnetic vector sampled by the magnetometers and is determined by utilizing the equation above.

DELIVERING HIGHER QUALITY

Provides more sensitive measurements compared to stationary survey shots

Efficiently doubles the range of data

Averages samples as tool rotates, eliminating any tool face errors

Filters out any noise and can detect patterns at the 25 nT level