

PRODUCTS AND SERVICES

DMS offer a number of systems and sensors specifically designed to meet the demands of the borehole survey and drilling environments of today:

- **DIRECTIONAL DATA MODULE (DDM)**

Directional Orientation sensors package that can be configured to provide 'plug and play' compatibility with industry standard high accuracy 6 axis directional sensor modules for incorporation into existing MWD, Steering and Survey equipment.

Key Features : Compatible with Industry standard, Low Cost, 1" OD option.

- **FLEXISHOT™ SINGLESHOT SURVEY TOOL**

Electronic Single Shot Survey tool replaces existing photomechanical devices in industry standard 1" size. The system provides high accuracy surveys without the need to develop film with surveys being displayed on an LCD readout or can be transferred to a handheld computer or PC.

Key Features : Low Cost, Easy to use, High Accuracy, can use existing running gear

- **FLEXISHOT™ MULTISHOT SURVEY TOOL**

Electronic Multishot Shot Survey tool replaces existing systems in industry standard 1" size. The system provides high accuracy surveys without the need to develop film with surveys being transferred to a handheld computer or PC for plotting and reporting.

Key Features : Low Cost, Easy to use, High Accuracy, can use existing running gear

- **FLEXISHOT™ ELECTRONIC DRIFT INDICATOR (EDI)**

Electronic Drift Indicator tool replaces existing 'Totco' systems in industry standard 1" size. The instrument is easy to use and provides high accuracy digital drift measurements without the need to read cards or film. Surveys can be read directly from the on board display or transferred to an easy to use PC software package for reporting.

Key Features : Low Cost, Easy to use, High Accuracy, can use existing running gear

- **ORIENTATION STEERING TOOLS**

A range of realtime wireline and battery powered steering and orientation sensors for use in both oilfield and non-oilfield drilling are available. Systems come in a range of sizes starting at 1" OD and can be configured to provide compatibility with industry standard steering tools. All systems incorporate high accuracy Triaxial accelerometer and magnetometers.

Key Features : Low Cost, Small size, Industry Standard Compatible, High Accuracy

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- **GYROFLEX™ NAVIGATOR TOOL**

Northseeking rate gyro survey tool, with ability to be used in a variety of applications including Orientation kick off, Gyro single/multishot (memory based) and slimhole cased hole surveying. The system operates on a wireline and sends survey data to a surface computer continuously in realtime.

Key Features : High Accuracy, Small size (1.2”), low power, application flexibility

- **TRIAx ACCELEROMETER MODULE**

Triaxial accelerometer module which can be easily integrated into existing user systems, as a direct replacement for other devices. The sensors provide a low cost high performance alternative to industry standard Quartz hinge devices in a variety of borehole applications

Key Features : Low Cost, High Accuracy, Small size (0.75”OD), Low power (50mW)

- **NATURAL GAMMA MODULE (NGM)**

The Natural Gamma Module can be added to DMS orientation and steering sensors to provide drillers with real time geological target identification information for tighter control, allowing earlier (easier and less costly) corrections to be made. The module is a low cost add-on with high temperature capability and is suitable for slimhole applications

Key features ; Low Cost, Small diameter, Industry standard compatible

- **DIFFERENTIAL PRESSURE MODULE (DPM)**

The differential Pressure Module can be added to DMS orientation and steering sensors to provide drillers with real time annulus and drillstring pressure data for use in both oilfield and non oilfield applications. The unit is self calibrated and provides high accuracy/ resolution data over a wide operating pressure and temperature range.

Key features ; Low Cost, Small diameter, Multiple application options

- **DRILLOG™ REAL TIME DRILLING AND SURVEY SOFTWARE**

Drillog™ is a 32 bit Windows based (95/98/2000/NT/ME/XP) software platform, which provides realtime support for most commonly used survey and steering tools. The software also supports Oilfield, Mining and Utility drilling survey conventions and provides full reporting which can be customised by the user. Drillog™ also provides Well Planning utilities, Realtime Projection to Target, 3D on screen Graphics and Annotation options, as well as plotting of standard survey projections.

Key Features : Reatime Multi-Tool support, 3D Graphics, Well Planning and Reporting.

- **CALIBRATION AND REPAIR SERVICES**

DMS have extensive facilities for the calibration and service of orientation sensors and systems, including third party systems. These facilities include a non-magnetic environment for magnetometer calibration, as well as thermal chambers for temperature calibration of sensors. We also have an in house machine shop to facilitate rapid turnaround of spares and support equipment. Please contact us for more details on these services.

- **EQUIPMENT RENTAL SERVICES**

DMS provide a variety of equipment rental options for customers who have specific contractual needs. This can also include running gear and software, if required. Please contact us for more details on these services.