

Advanced Magnetic Surveying E-Learning

The Advanced Magnetic Surveying E-Learning module provides a comprehensive overview of the fundamentals of Magnetic Surveying. The interactive training unit is intended to provide experienced engineers and operators with a greater in-depth explanation of key aspects of the applications for the use of magnetic surveying instruments in the downhole drilling environment. Once completed, users will be able to better assess the quality of magnetic surveys and the contribution of environmental factors that might impact survey quality.

Features and Benefits

Comprehensive

The course provides a detailed overview of magnetic surveying as it applies to downhole drilling operations. Topics covered include:

- The Earth's magnetic field
- Field models
- Methods of magnetic surveying
- Survey acceptance techniques
- External magnetic interference
- Drillstring magnetic interference
- Correction algorithms
- Rigsite operations

Integrated

The course, although beneficial as a stand-alone unit, forms an integral module within all of the Black Diamond MWD and LWD Training Programs. These programs deliver a defined progression of e-learning, traditional teaching and on-the-job training offerings designed to support the continued development of those involved with the operation, maintenance or technical support of Black Diamond systems.

Flexible Delivery

The course is delivered on-line and is divided into 5 sections, each of which should take no longer than an hour to complete. This allows the material to be completed at a place, time and pace to suit all. Understanding is assured by way of on-line tests that highlight areas which require review. Material can be reviewed as often as is required to ensure total understanding.

Courses are administered through the Black Diamond Technical Support Portal.

Target Audience

This unit will assist any engineer or operator, who is normally skilled in the art of MWD and magnetic surveying, with additional understanding leading to the development of quality surveying processes.

Cost Effective

As a stand-alone training module the e-learning is extremely competitive when compared to attendance at traditional theoretical seminars.

Black Diamond MWD & LWD Training Programs

Introductory	Introduction to MWD E-Learning		Introduction to Drilling E-Learning	
Core	Tensor Elite MWD	Tensor Elite MWD E-Learning	Operations Practical (3 Days)	Rigsite OJT
			Maintenance Practical (3 Days)	Workshop OJT
	Tensor Gamma	Gamma E-Learning	Operations Practical (2 Days)	Rigsite OJT
	Centerfire LWD	Resistivity E-Learning	Operations Practical (3 Days)	Rigsite OJT
Centerfire LWD E-Learning		Maintenance Practical (3 Days)	Workshop OJT	
Advanced	Failure Analysis E-Learning		Directional Drilling & Surveying E-Learning	
	Drilling Dynamics E-Learning		Advanced Magnetic Surveying E-Learning	