

# Introduction to Drilling E-Learning

The Introduction to Drilling E-Learning module is an interactive training unit designed to present the theory of drilling and the rigsite. The course offers a complete overview of the drilling process starting at the well planning stage and concluding with production and recovery techniques. Designed to be accessible by those with no experience in the industry, it serves to assure a base level of fundamental drilling knowledge to act as a foundation for any further training in MWD or LWD system operations or maintenance.

## Features and Benefits

### Comprehensive

The course delivers a comprehensive introduction to the drilling industry working from fundamental basics through to functional descriptions of many of the techniques and equipment used in current drilling operations. Topics covered include:

- Types of drilling
- Drilling apparatus
- Drilling personnel
- Well planning
- Directional drilling
- Drilling mechanics
- Environmental controls
- Post-drilling 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 6 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

The course benefits anyone who has any contact with the MWD/ LWD industry. As an introductory course, it assumes no prior knowledge and is suited to those with little or no experience in the industry. Its comprehensive nature makes it ideal for anyone who works for an organization involved in the MWD/ LWD business.

### Cost Effective

When delivered as a prerequisite to a Practical course the e-learning is free to all attendees.

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	