

# Introduction to MWD E-Learning

The Introduction to MWD E-Learning module is an interactive training unit designed to present the basic principles of MWD and directional drilling. The course offers an overview of the exploration and drilling industry, defining where and why MWD is now a required component of most drilling operations. The course is an essential entry level development aid for all involved in the MWD and LWD industry. Designed to be accessible by those with no experience in the industry, it serves to assure a base level of fundamental knowledge allowing further training where required.

## Features and Benefits

### Comprehensive

The course delivers a comprehensive introduction to the industry working from fundamental basics through to functional descriptions of MWD and LWD applications. Topics covered include:

- Fundamentals of geology
- Provenance of hydrocarbons
- Hydrocarbon exploration
- Drilling practices
- The drilling rig
- Directional drilling benefits
- Directional drilling practices
- MWD systems
- LWD systems

### 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)	Rightsite OJT
			Maintenance Practical (3 Days)	Workshop OJT
	Centerfire LWD	Gamma E-Learning	Operations Practical (2 Days)	Rightsite OJT
		Resistivity E-Learning Centerfire LWD E-Learning	Operations Practical (3 Days)	Rightsite OJT
Advanced		Failure Analysis E-Learning	Directional Drilling & Surveying E-Learning	
		Drilling Dynamics E-Learning	Advanced Magnetic Surveying E-Learning	