Directional Drilling and Surveying E-Learning

The Directional Drilling and Surveying E-Learning module is an interactive training unit that covers the fundamentals of directional drilling and surveying designed to give MWD engineers a more complete understanding of the practices employed during the application of the complimentary disciplines. The course covers every stage of the directional drilling process from initial well planning and location selection through to final landing of the well. The principles that underlie the most common directional drilling and surveying applications are covered in detail, ensuring a solid theoretical understanding of how current techniques are applied. This module is intended for those already familiar with general drilling practices, and assumes some pre-existing knowledge of rigsite operations and the general progress of the well during the well construction phase.

Features and Benefits

Comprehensive
The course provides a detailed overview of all of the elements of the directional drilling process to ensure an understanding of how measurements are applied and directional controls are implemented. Topics covered include:

- Directional program development
- Anti-collision
- Survey calculation
- Wellbore positioning
- BHA design
- Kickoff practices
- Tangent sections
- Vertical drilling
- Horizontal drilling

Integrated
The course, although beneficial as a stand-alone unit, forms an integral module within the GE Oil & Gas Drilling Measurements Tensor* MWD Training Program. This program delivers 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 of the Tensor system.

Flexible Delivery
The course is delivered online and is divided into seven 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 through online tests that highlight areas which require review. Material can be reviewed as often as is required to ensure total understanding.

Target Audience
Intended for MWD engineers and other field service personnel to provide a more in-depth discussion of directional drilling techniques than is usually covered in standard MWD training material, this course also benefits all those who support directional drilling and MWD operations.

### Drilling Measurements Tensor MWD Operations Training Program

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To learn more about the Drilling Measurements Training Program, contact our sales teams. Details of your local sales representatives can be found at: www.ge-energy.com/oilfield

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