

Fiber Optic Training for Geophysical Downhole Applications

Wells & Waves offers a practical, field-focused DFOS training program for engineers, technicians, and operators working in oil & gas, CCS, and geothermal environments. Designed by seasoned field experts, this course provides a deep dive into fiber technology from prep to deployment.

Training Modules Include:

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Module 1

Intro to Fiber Optics & DFOS Principles

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Module 4

FIMT, Armoring, and Tube Protection

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Module 2

Fiber Handling & Cable Preparation

5

Module 5

Permanent and Semi-Permanent Installations

3

Module 3

OTDR / OFDR & Reflectometry Analysis

6

Module 6

DTS, DAS, DTSS – Data Interpretation and QC



Key Learning Outcomes:

- Splicing and termination techniques
- Best practices for harsh field environments
- OTDR trace analysis and loss troubleshooting
- Understanding cable types, coatings, and configurations
- Quality control, documentation & safety procedures

