CABLING & FIBRE OPTICS · FIBRE OPTICS, SPLICING & TESTING

Fibre Testing & OTDR Analysis

اختبار الألياف الضوئية وتحليل قياسات OTDR

2 days | Intermediate | In person · Live online | Arabic & English

Learn to prove that a fibre link works and to find faults fast. You will inspect and clean end faces, measure loss with a light source and power meter, set up an OTDR and read its traces, locate breaks, bends and bad splices, and document results clearly.

WHO IT'S FOR

Fibre technicians, network engineers and supervisors responsible for accepting, maintaining or troubleshooting fibre links.

BEFORE YOU START

Fibre Optic Fundamentals or equivalent experience

WHAT YOU'LL LEARN

- Inspect and clean connector end faces.
- Measure insertion loss with a light source and power meter.
- Configure an OTDR and interpret its traces.
- Locate and diagnose breaks, macrobends and high-loss events.
- Produce clear test reports for handover.

Training a team?
We run this course privately for organizations, on your dates, at your site or ours, and adapt the examples to your network and equipment.

COURSE OUTLINE

5 modules, 2 days

MODULE 01

Inspection and cleaning

- Microscopes and inspection probes
- Cleaning methods
- Pass and fail criteria

MODULE 02

Loss testing

- Light source and power meter
- Reference methods
- Bidirectional testing

MODULE 03

OTDR principles

- How an OTDR works
- Pulse width, range and averaging
- Launch and receive fibres

MODULE 04

Reading traces

- Events and dead zones
- Splices, connectors and bends
- Ghosts and gainers

MODULE 05

Troubleshooting and reporting

- Fault-finding workflow
- Test reports and records

ALSO IN FIBRE OPTICS, SPLICING & TESTING

Fibre Optic Fundamentals, **Fibre Optic Fusion Splicing**, **Optical Network Simulation with OptiSystem**, **Optical Fibre Transmission Engineering: End to End**

Enrol or ask a question

In person in Damascus · Live online · Private training for teams. Tell us your goals and we will send the dates, the fees and the right level for you.

+963 991 099 555

info@alalamia-sy.com

alalamia-sy.com