

TEST WITH CERTAINTY. ACT FASTER WITH CONFIDENCE.

ENSURING RELIABILITY ACROSS THE SUBMARINE NETWORK LIFECYCLE

EXFO

IN SUBSEA ENVIRONMENTS, UNCERTAINTY IS COSTLY

EXFO turns optical measurements into decisions you can trust—before, during, and after every submarine operation.



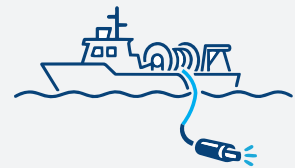
Turn measurements into faster, trusted decisions

Validate fiber and transmission performance—before, during and after every operation.



Detect, localize and validate with precision

From fiber characterization and monitoring to 100G/800G+ testing, pinpoint faults within minutes.



Operate anywhere

Portable and rackmount solutions for landing stations and offshore operations.

FROM LANDING STATION TO WET PLANT

EXFO supports submarine stakeholders across the full lifecycle with rugged portable and rackmount testers.



1. DESIGN &
MANUFACTURING
VALIDATION



2. CABLE DEPLOYMENT
& COMMISSIONING



3. LANDING STATION
CHARACTERIZATION



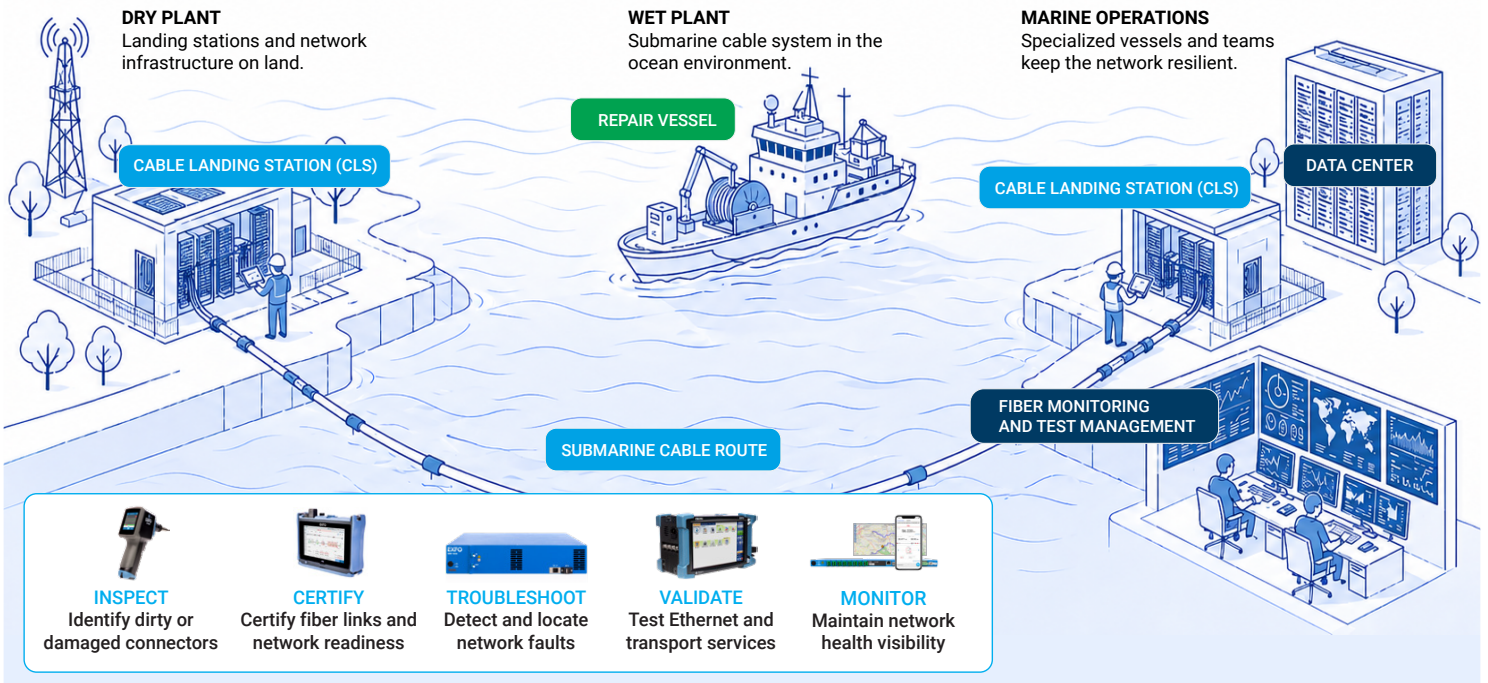
4. MAINTENANCE &
FAULT LOCALIZATION



5. REPAIR VALIDATION
BEFORE VESSEL
DEPARTURE



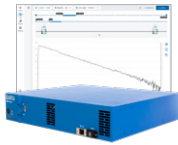
6. CAPACITY UPGRADES
(100G TO 800G+ COHERENT)



INSPECT. CERTIFY. TROUBLESHOOT. MONITOR.

WITH VISIBILITY, SPEED AND PRECISION

LOCATE FAULTS IN JUST 3 MINUTES



Submarine OTDR | USO-1618

- Up to 18 dB dynamic range and 19 dBm output power
- 5-m resolution (approx.) for fault localization
- Predefined test configs
- JSON in/out and direct integration with customer cable-management systems.
- Automated fault localization and icon-based link view

[➤ Product page](#)

[➤ Spec sheet](#)



ONE-TOUCH, AUTOMATIC CHARACTERIZATION



OTDR | FTBx-750D

- Dynamic range of up to 50 dB
- Event dead zone of 0.5 m and attenuation dead zone of 2.5 m
- Up to 256 000 sampling points

[➤ Product page](#)

[➤ Spec sheet](#)



REMOTE FIBER MONITORING



Fiber monitoring | OTH-7000

- Compact OTDR-based remote test unit designed for monitoring and troubleshooting
- Scalable (up to 512 ports)
- Easy to integrate with third-party SDN controllers and OSS solutions validation

[➤ Product page](#)

[➤ Spec sheet](#)



FULLY AUTOMATED INSPECTION



Fiber inspection | FIP-500

- Fully automated from insertion to data saving
- Wide array of adapter tips for simplex, duplex and multi-fiber (up to 24 fibers) connectors, including LC / UPC
- Screen ergonomically angled for testing hard-to-reach places

[➤ Product page](#)

[➤ Spec sheet](#)



OPTICAL SPECTRUM ANALYZER



Spectrum analyzer | FTBx-5243

- Cover DWDM, CWDM, and DWDM over CWDM networks
- Ideal for transceiver testing, in manufacturing and DWDM analysis
- Remote control via SCPI commands

[➤ Product page](#)

[➤ Spec sheet](#)



100G TO 800G ETHERNET TESTING



High-speed tester | FTBx-88811

- Dual-port from 1G to 800G
- Support of coherent: 800ZR, 400ZR 100ZR and OpenZR (400ZR+, 300ZR+, 200ZR+, 100ZR+)
- Built-in transceiver diagnostics: auto-negotiation, link training, breakout validation

[➤ Product page](#)

[➤ Spec sheet](#)



EXFO helps submarine stakeholders validate network integrity, across the cable lifecycle.

[Explore our complete portfolio >](#)

EXFO