



case study

Bay of Dakar cable lay testing for Enshore Subsea

Enshore Subsea required cable lay testing for two subsea cables offshore Senegal, ensuring integrity and operational continuity during installation.

Enshore Subsea

Bay of Dakar

2024 - 2026

16 km

length per cable

225 kV

capacity per cable

Customer challenge

Enshore Subsea was seeking a reliable partner to provide real-time cable monitoring and post-lay verification across long-distance subsea assets, so James Fisher supported them in a challenging offshore environment, with complex logistics.

Solution for our customer

James Fisher's specialist high voltage technicians provided advanced testing equipment and fibre-splicing expertise. The team conducted optical time domain reflectometer monitoring, time domain reflectometry, insulation and resistance testing.

“This project highlights the importance of robust testing and monitoring during cable installation. By combining specialist expertise with advanced diagnostics, we ensure long-term asset reliability, even in challenging conditions.

ROLANDE RYDER – OPERATIONS MANAGER,
JAMES FISHER & SONS PLC



Customer impact

- Enabled safe and efficient cable installation and splicing, with continuous monitoring capability
- Ensured full compliance with cable testing standards throughout installation and post-lay phases
- Delivered accurate, data-driven verification of cable integrity
- Resolved installation challenges with expert HV oversight, maintaining performance
- Integrated testing assisted project timelines within constrained contractor windows, minimising operational disruption