

Onshore Remote Operations Center (OROC)

Run your offshore operations from onshore and reduce your carbon footprint

Our strategically located Onshore Remote Operations Centers (OROCs) are state-of-the-art facilities where personnel around the world efficiently perform and oversee critical operations without stepping foot on an offshore installation. First introduced in 2015 in Stavanger, Norway, and there are now three locations with ten consoles spread across Stavanger; Morgan City, Louisiana; and Aberdeen, Scotland. Since 2020, approximately more than 1,000 remote pilots have passed through our OROC facilities. Oceaneering continues to lead the way on remote ROV piloting since the introduction of our Remote Piloting and Automated Control Technology (RPACT) in 2004.

Running operations from shore reduces HSE risks to personnel and provides greater collaboration amongst stakeholders.



FEATURES

Instant access to experts for time-critical or highly complex operations

Reduces mobilization costs and carbon footprint with a leap in operational flexibility

Rapid response to unforeseen events requiring new plans and expertise

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Oceaneering's OROCs have accumulated approximately 85,000 hours (as of July 2022) of remote ROV piloting from shore to date using conventional and next-generation ROVs, such as our Liberty™ E-ROV system.

The Liberty™ E-ROV, a self-contained battery-powered system supported by RPACT and OROCs, is used in half of our remote operations and enables expedited interventions. It only takes hours to mobilize the system, which can remain on the seabed for weeks without the need for surface vessels or offshore personnel.

The total CO₂ emissions for one typical two-week operation cycle of the Liberty™ E-ROV are significantly lower than the total emissions for conventional inspection, maintenance, and repair. Using an OROC to operate the system instead of from an offshore support vessel, reduces CO₂ emissions daily. Over the course of a year, emissions can typically drop from 51,000 lb / 23 133 kg (before using the Liberty™ E-ROV) to 5,000 lb / 2 268 kg when the Liberty™ E-ROV is used.



OROC Benefits

- » Reduces HSE risk exposure associated with offshore work, improves deck space management; and reduces your CO₂ emissions by reducing your personnel on board (POB), particularly with reducing and/or eliminating second shift crewing for low intensity operations
- » Supported by our field-proven RPACT, which de-risks operations with supervised, automated ROV operation for activities such as tool stabbing and subsea docking
- » Strong connection established via the 4G network, satellite, or fiber cable facilitates operations with very low latency
 - » Our satellite agnostic intelligent link (SAIL) solution is an optional offering that combines LTE, Wi-Fi, and multi-orbit satellite constellations to provide secure communication and networking capabilities, which improves network speeds
- » 4G LTE connectivity is widespread in the Gulf of Mexico, with the Morgan City facility well-positioned to support remote operations in the region
- » Leverages the best use of time and expertise with 24/7 support, and reduces mobilization costs to efficiently support operations
- » Offers significant value for operators who have multiple operations
- » Increases engagement with client representatives by enabling participation in operations
- » Streamlines data collection to make faster, more accurate decisions using the Oceaneering Media Vault (OMV), which provides live data access and cloud storage to access and manage your data when and how you need it, while monitoring subsea and topside operations from shore through advanced live streaming and archiving solutions
- » Inventory supporting our fleets to eliminate reliance on vendors
- » Offers bundled, integrated solutions, from vessels and ROVs to analysis of inspection data and expedited remediation

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