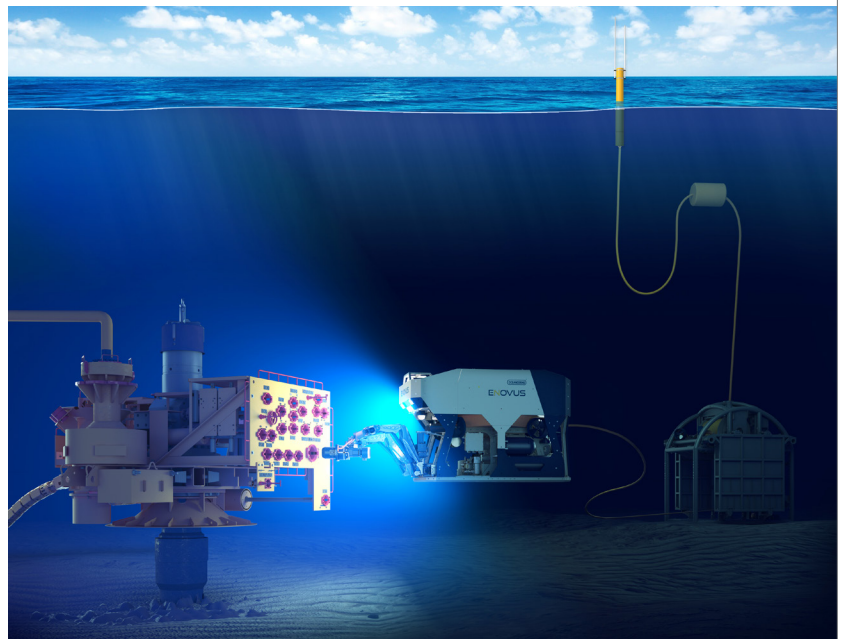


E-ROV System

Increasing efficiencies in subsea operations

Our self-contained, battery-powered remotely operated vehicle (E-ROV) system increases operational efficiency and combines the best of Oceaneering technologies to deliver an industry-leading, resident ROV solution. This remotely operated system enables operators to intervene faster, keep production online more effectively, and perform routine tasks with fewer deployments.



FEATURES

Removes need for surface vessel

Remotely piloted using RPACT

Increase operational efficiency while reducing cost

E-ROV System

The E-ROV system is capable of performing common ROV tasks including inspection, valve operation, torque tool operation, and manipulator-related activities.

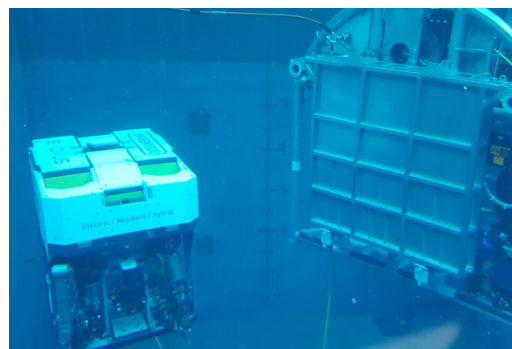
The system interfaces with the Oceaneering onshore Mission Support Center via a 4G mobile broadband signal transmitted from a buoy on the water's surface and eliminates the requirement for a surface vessel onsite.

Piloting ROVs from onshore is made possible with our proprietary remote piloting and automated control technology. By safely transferring ROV control data and live, high-definition video via satellite or high-bandwidth terrestrial network, we have full real-time control of the ROV and its tooling.

eNovus ROV	Subsea Garage	Surface Buoy	Communications
Modified eNovus includes advanced battery technology optimized to handle peak power consumption and support operations	Includes a cage-mounted 100 kW battery pack and tether management system (TMS)	Data/communications buoy hosts an antenna mast to improve signal reception and battery power to support communication transfer Includes a robust, highly-engineered mooring system providing a broadband data connection and suitable weight while addressing sea conditions	Operates via a 4G network with low latency, enabling efficient communication and data transfers. All traffic uses an encrypted VPN channel.

Advantages

- » Reduction in vessel days required to complete operations
- » Reduction in carbon footprint and mobilizations
- » Enables expedited intervention due to strategic locations subsea
- » Enables operators to take advantage of favorable weather windows
- » Operations supported by our remote piloting and control technology (RPACT) and Mission Support Centers



We deliver a complete solution. Our one-stop-shop approach is ideal for customers looking to streamline operations, adopt standardization across operations, and save costs while reducing risk.

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