



Emissions Reduction Technology Showcase



Thank you for inviting Fugro to exhibit at your event

It was our pleasure to showcase Fugro's Uncrewed Surface Vessel (USV) technology. Operated from our Remote Operating Centres, this is a great example of innovative technology designed to help clients unlock value by working differently. Our Vision Technology is another example.



If you are interested to discuss further please note your interest using the QR code.



Uncrewed Surface Vessels

Fugro Blue Eclipse® is a next generation uncrewed surface vessel (USV) for safe and efficient inspection, construction support, hydrographic and geophysical surveys. It can be used for a wide range of over the horizon operations.



Vision Technology

QuickVision® is a patented smart camera that provides accurate subsea asset positioning during drilling and construction support operations to reduce overall time, costs and HSSE risks for your offshore project.



FUGRO REMOTE OPERATIONS CENTRE

Fugro's remote operations centre (ROC) provides a centralised hub allowing our experts to control equipment and vessels, and manage operations remotely enhancing the way we undertake projects. Our global state-of-the-art ROC enable us to deliver the Geo-data and the actionable insights you need to manage your project. With Fugro's ROC, we optimise operations and reduce HSSE exposure and project risk.

GLOBAL RESTRICTIONS FOR OPERATIONS

Digital disruption, remote work and travel restrictions globally are driving demand for technology development and adoption of remote operations and services in all sectors. Project delays due to pandemic exposure and mitigation protocols are vital factors further impacting many offshore projects. Agile deployment of remote solutions needs to be implemented to address the growing need for remote and autonomous operations.

THE FUTURE IS REMOTE AND AUTONOMOUS

Fugro is committed to the transformation of our service offerings where possible

from crewed to remote and autonomous operations. We are focused on transferring personnel from the hazardous offshore environment to a safe and centralised onshore environment.

Additionally, we are committed to the deployment of uncrewed vessels and platforms to reduce and eliminate the requirement for personnel offshore for various survey activities. Fugro's ROC is crucial to supporting multiple clients with diverse operations and project requirements. Capitalising on constant improvement of technology and innovations developed within the company, the ROC is at the forefront of meeting your offshore project needs.

BENEFITS

- Improved safety through 100% reduction of personnel from hazardous environments
- High-quality data processed and available in up to 9 days faster than traditional approaches, ensured by 24/7 availability of scalable expertise and in-house remote data processing capabilities
- Optimised operational efficiency due to operations being managed remotely with reduced logistics
- Sustainable operations with significantly reduced fuel consumption and carbon footprint

GLOBAL SUPPORT FOR REMOTE OPERATIONS

Our various ROCs are strategically positioned in all regions including America, Europe, Asia Pacific and Middle East to ensure our support is available globally. The ROCs are established where there is a requirement to support a specific language and compliance with local regulations. Our ROCs support an array of remote capabilities based on your requirements. This ranges from low bandwidth offices where we support specific requirements, such as, rig positioning, to advanced high bandwidth centres, such as, undertaking subsea pipeline inspection. Capabilities in our ROCs are extensive with operations, such as video, streaming, data processing support and remote ROV piloting.

24/7 MONITORING AND REMOTE CONNECTIVITY

Fugro's ROCs were established leveraging innovative technology, internet and cloud-based services to connect offshore survey vessels to the onshore ROC. The experts located at the ROC can conduct the same tasks onshore as required onboard the vessel, enabling access to a broader range of expertise, 24/7 monitoring and support including real-time client access to vessel operations and data through a secure web interface. Managing and maintaining connectivity is critical to remote operations and with our dedicated partners, we ensure our connections provide the highest possible uptime reducing latency and improving throughput, so you can access your project information when and where you need it.

SERVICES

- Autonomous survey
- Remote positioning
- Remote data processing
- Remote vessel control – above and below the water
- Remote client
- Remote expert

THE FUGRO DIFFERENCE

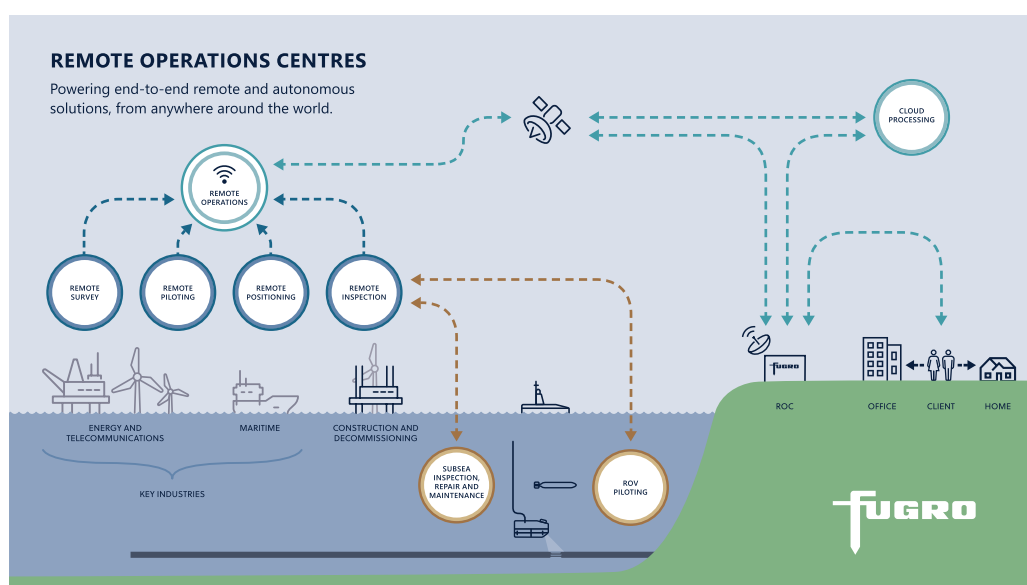
With a global track record as the world's leading Geo-data specialist, Fugro has extensive experience in global remote operations. We deliver industry leading solutions and real-time insights needed to manage your offshore projects safely. Our continuous developments in remote operations support the global remote and autonomous revolution.



ROC control room displaying video footage of subsea inspection



Highlighted locations of our various ROCs



Overview of how our ROCs support remote and autonomous solutions globally

