



Remote Operations

Connecting Offshore and Onshore: Real-Time Remote Operations for a Sustainable Future



Introductions



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Engineering for Performance

What vessel information is prioritised?

- Technical – can the task be carried out?
- Environmental – what are the limits of the operations?
- Sustainable – what does it cost to run?
- Safety – is it compliant?
- Capacity – can it accommodate the required personnel?

Are vessels truly engineered to optimise human performance?



A Human Centric Shift



Is a physical presence offshore still required?

Form follows function

- A human centric design approach

Improving personnel safety

- Reduced offshore exposure hours
- Fewer people in hazardous environments
- Optimised working conditions

Can we place people at the heart of the system and out of the line of fire?

Why Remote Operations Centres?

Purpose Built
Control and Standardisation
Business Continuity and Disaster Recovery
Cyber Security, Data Protection & Sovereignty

Resilient By Design




A Greener Future

Supports Net-Zero ambitions
Efficient crewing
Uncrewed Surface Vessels (USVs)
Engaged connected communities

Powering sustainable operations



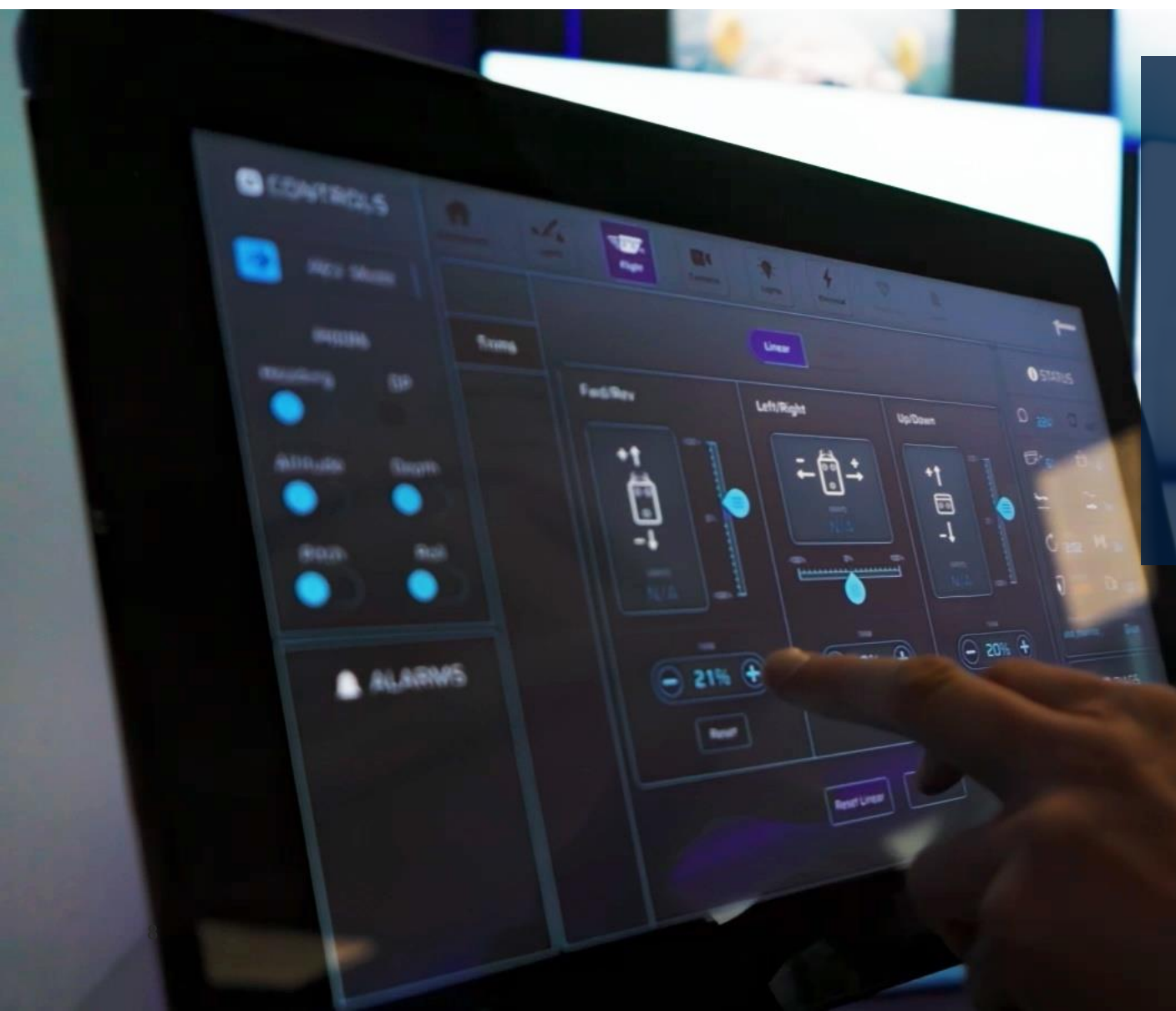
Expanding Opportunities – A More Inclusive Industry

A man with dark hair and a beard, wearing a blue Fugro jacket, is seated at a control station. He is looking towards the right, holding a joystick with his right hand. The control station features multiple monitors displaying various data and graphics, including a 3D model of an offshore structure. The background is a dark blue wall with some equipment visible.

- Attract new candidates
- Better supported development
- Remove offshore associated requirements
- Retain experienced personnel
- Better work-life balance

Healthier, balanced and inclusive

Optimised Performance – Smarter Use of Talent



- Reduction in non-core operations
- Focused use of technical disciplines
- Productivity gains through multi-vessel support
- Concentrated technical resources
- Supported career development

Efficient, productive operations

Engineering Better Outcomes

Safer, Efficient, Sustainable, Inclusive



Remote Operations

Case Study - DNV

Value for Ship Owners and Operators



Approval of service supplier scheme

