

Autonomous Surface Vehicles Risk & Reliability Management

A Knowledge Transfer Partnership Project

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Risk and Reliability of ASVs

- 30 days 3 months autonomy
- Oil and gas operations
- Positioning
- Surveying
- Environmental monitoring
- Security
- Oceanographic data collection
- Seismic applications
- Mine detection
- Naval gunnery training



Design, build and operate marine autonomous systems: Transferring best practice to innovative company



Risk and Reliability of ASVs



Operation Risk Acceptance Process proposed by Griffiths and Trembranis⁽¹¹⁾.



Risk management process for ASV



Survival







Achievements

- Implemented a new culture for suitable data collection
- Collected requirements for a risk management system
- Implemented an intranet-based fault reporting and monitoring system

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