



FUGRO

OARS®

OARS® (Office Assisted Remote Services) provides globally distributed, centralised command centres with direct access to offshore survey projects. It potentially eliminates the need for onboard surveyors, optimising project crewing, safety and efficiency.

KEY CONCEPTS

- Centralised, rather than localised surveyor expertise
- 24-hour direct and real-time access to project knowledge
- Purpose-built navigation interface for vessel personnel
- Uses vessel internet connection, with continuous operations, even if connectivity to beach side is lost
- Utilisation of cloud servers to improve communications and access
- Equipment on vessel functions independent of the OARS® Command Centre

BENEFITS

- 24/7/365 monitoring and support of projects
- Access to Fugro's subject matter experts around the world
- Prompt interpretation/QC of data
- Improved project planning, execution and QC of project data
- Timely decision making
- Optimisation of survey crew size
- Reduced vessel POB level, HSE exposure and logistics



OARS® provides positioning services without a surveyor aboard.





OARS® SYSTEM ONBOARD

The onboard system comprises a server hosting redundant core components which include:

- STARFIX® OARS® Navigation Solution on redundant computers
- STARFIX® GNSS positioning equipment
- GNSS based heading solutions
- Telephone and Headset for communications to OARS® Command Centre

OPERATION TYPES

- OARS® – RIG
- OARS® – BARGE
- OARS® – VESSEL
- OARS® – SUBSEA
- OARS® – QUALITY CONTROL ASSISTANCE

VESSEL REQUIREMENTS

- Dedicated 128k internet connection
- Space for 2 kiosks and 2 phones
- 'Electronics-friendly' location for the OARS® infrastructure

The OARS® Navigation User Interface Computer has an intuitive touchscreen kiosk providing custom interface for

navigation and vessel guidance. The onboard computer supports any number of kiosks per vessel, typically with one located in each wheelhouse/bridge co-located with an OARS® phone. Each kiosk has its own independent view of the vessel and project site.

OARS® COMMAND CENTRE

OARS® Command Centres are located globally and manned by Fugro-qualified surveyors, who are available to conduct survey tasks as though they were physically aboard the vessel. This includes:

- Assisting with vessel positioning and safe mooring operations
- Collecting survey data
- Monitoring and planning operations
- Providing survey solutions

REMOTE CLIENT VIEWING

Clients can view vessel operations through a secure web browser interface to OARS® based projects.