



iSAFE®
Complete Tug / Workboat Positioning and Display System
for Multi Vessel Operations

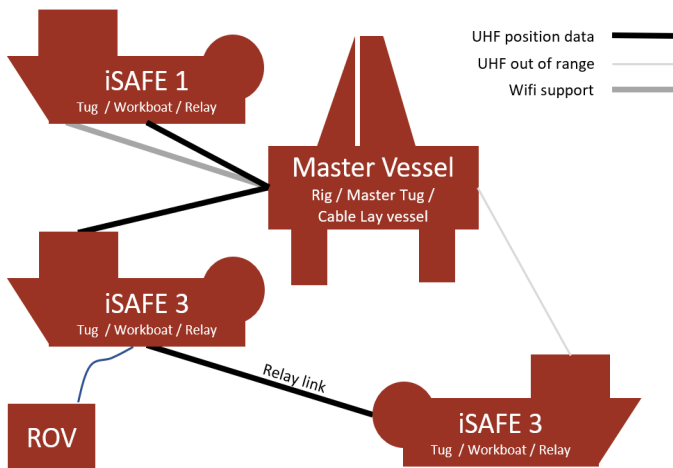
iSAFE® is a system for remote vessel survey which is fully integrated with other iSolutions, including:

- iNAV® - Master vessel and rig system
- iBUOY® - Anchor position tracking system

The iSAFE® system provides graphical and numerical online information about the AHV's own position. The system also communicates via radio link with the iNAV® system onboard the rig, as well as other iSAFE® and iBUOY systems involved in multi vessel operations.

iSAFE® is user friendly for the AHV crew; everything is prepared by iSURVEY personnel onboard the rig before commencing the multi-vessel operation. The iSAFE® is then transferred down to the AHV where it is all connected and ready for operation in a matter of minutes.

The iSAFE® and iNAV® systems have proven extremely effective over many years in action and ensure the client has a real-time overview of the operation at all times.



iSAFE® Tug / Workboat Positioning Suite:

Online Navigation System

- Eiva NaviPac online tug navigation system (single system)
 - Ruggedised computer
 - LCD display including dimmer
- GNSS receiver
- UHF radio
- GNSS / UHF combined antenna
- Tug gyro interface (as required)
- Tug MRU interface (as required)
- Tug USBL interface (as required)

Wifi (Optional)

- Remote access and support

GNSS Position Options

- Distributed RTCM corrections from Master Vessel (Standard)
- Veripos Ultra²/Apex⁵ (< 0.1m horizontal position accuracy 95%)
- Veripos Std/Std+ (< 1m horizontal position accuracy 95%)
- RTK (Up to 5 km: < 0.02m horizontal position accuracy 95%)



Extensions to iSAFE®

Remote Operations

- iCONTROL® - Secure remote vessel access
- iROCC - Remote Operation Control Centre
- Wifi - Remote access and support

Rig & Mooring

- iBUOY® - Subsea anchor tracking
- Anchor handling and Tug Management system
- Online and offline catenary calculations

Miscellaneous

- Additional client helmsman's displays
- iROV® - ROV interface and monitoring
- iLINK™ - Remote data and video transfer
- Electronic charts
- 3D online suite

Documentation

- Survey procedure
- Survey data processing and reporting
- Geodetic consultancy

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