



JETanchor

POSITIONING SYSTEM

JETanchor provides a range of new capabilities with two automatic operational modes: 'station keeping' and 'virtual anchor' mode.

The JETanchor positioning system (with a new mouseboat) is an addition to the current blue ARROW features and will allow marine operators the ability to use the new automatic modes for many operational requirements, as well as the existing manual manoeuvring mode.

The JETanchor positioning system will provide operators with benefits such as:

- ▶ More accurate station keeping than can be done manually
- ▶ Significant reduction in operator workload
- ▶ Reduction of crew fatigue & noise levels during standby operations
- ▶ Reduction of operational crew numbers
- ▶ Accurate GPS positioning for survey work, ROV deployments and standby work
- ▶ Reduction in fuel consumption and cost
- ▶ Improvement in operational safety

APPLICATIONS

- ▶ Suitable for all commercial market segments especially Crew Boats, Pilot Boats, SAR, Windfarm, Patrol, Fireboats, Fishing Boats
- ▶ Twin installations
- ▶ Up to 3 Stations

FEATURES

- ▶ The 'Station Keeping' mode gives the operator the ability to automatically hold vessel position and heading more accurately than is possible using manual control.
- ▶ Selecting 'Virtual Anchor' mode allows the system to set a single GPS point 'swing' mooring for hands-free standby operations keeping the vessel in a comfortable position.
- ▶ Low speed precision Mouseboat manoeuvring, control of a vessel with one hand.

Functionality



Station Keeping Mode

Engaging 'Station Keeping' mode will hold the vessels GPS position and heading. The operator may adjust the heading or position of the vessel by moving the mouseboat while in this mode. This will allow the vessel to be repositioned to a new heading or position without disengaging 'Station Keeping' mode.



Virtual Anchor Mode

Engaging 'Virtual Anchor' mode will allow the vessel to automatically weather vane about a GPS position under prevailing wind and sea conditions. This provides vessel positioning with comfortable vessel motion at low engine rpm and minimum fuel usage.



Manoeuvring Mode

Engaging the 'Manoeuvring' mode allows the operator to, manually and intuitively, maneuver the vessel with one hand, as per the standard mouseboat functionality. The mouseboat integrates controls for ahead/astern, steering and engine throttle.



Thrust Hold Mode

Engaging 'Hold' while in manoeuvring mode holds the current thrust settings for steering and thrust and allows the operator to take his hand off the mouseboat.

Scope of Supply



The new JETanchor Mouseboat

One JETanchor Mouseboat per control station



A JETanchor GPS Antenna, cabling and glands



An Interface Module & all necessary cabling

The JETanchor system is integrated with the blue ARROW Control System

Reference

The JETanchor Positioning System has been developed and extensively tested for several years on two commercial vessels, namely RAWINIA and 1070 Survey Vessel. RAWINIA is a Crew transfer boat working predominantly on standby off an offshore gas platform.

Master of RAWINIA Luke Andrews says "As you can see it is quite easy to operate, push of a button, hands free and its nice and relaxing here at the helm!"

1070 Survey Vessel owner Allan Drinkrow remarks "It is such a convenient system to have, whether you are fishing or doing survey work... I am very happy with it, would not build a boat without it!"



Luke Andrews
Master - RAWINIA
Pilot/Crew Transfer



Allan Drinkrow
Owner/Operator - 1070
Survey Vessel