

# Fanbeam Controller 4.0 Improves Combination of DP and Laser Technology



Designed to enhance product usability, functionality and performance, the Fanbeam controller 4.0 includes a new software interface with a collection of reliable, intelligent automated features and advanced user modes for optimum performance in extreme conditions. The Fanbeam 5 PRS uses accurate time-of-flight laser technology to determine vessel position relative to custom reflectors that

can be fixed to offshore rigs, installations or other vessels. Fanbeam data is fed into the vessel's DP system, which controls thrusters that are used to maintain vessel position during operations.

To support DP vessel operators, [Fanbeam Controller 4.0](#) now provides advanced software features and functionality that place control in the hands of the dynamic positioning operator (DPO).

These features include a cleaner and more intuitive user interface to support ease of tracking confidence and threats from false observations. Improvements include fewer controls on screen; bigger buttons; controls that are grouped logically; simple function keys; and large, clear input/output icons.

## Usability Improvements

The software also offers next-generation functionality, which has been thoroughly performance tested for optimum usability. This includes both reliable, intelligent automation for increased operator confidence, and full DPO control over filtering.

The modes and graphical display preferences supported include a basic bird's-eye view overview mode for when conditions are good, and a range of advanced modes, which present information in greater detail for when conditions are more challenging.

Smart display preferences reduce the need for user interaction, leaving the operator free to focus on more complex tasks. Such options include a day/night colour scheme, which automatically adjusts the display to allow for changing conditions.

The control system operates on a Windows 7 embedded control PC. And vessel operators have the option of installing a panel- or bracket-mounted control panel.



