

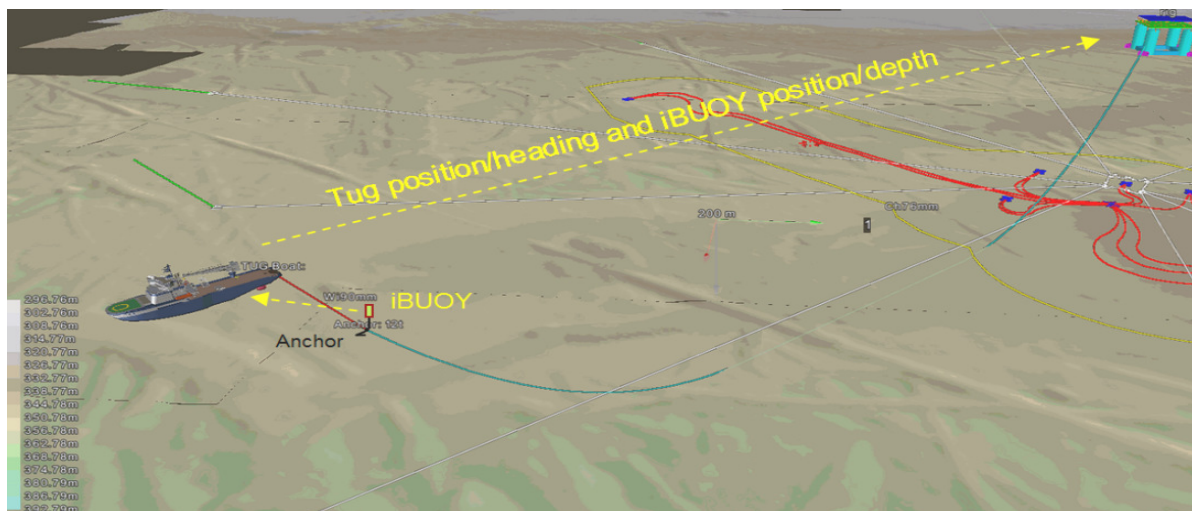
# iBUOY™

## Anchor Tracking System

**iBUOY™** is a patent pending **iSURVEY** design used for anchor position tracking.

**iBUOY™** consists of a transponder encapsulated in a floating device which also provides protection for the transponder against the rough handling during deployment and recovery of the anchors.

**iBUOY™** is fully integrated with the standard rig **iNAV®** and **AHV iSAFE®** positioning system used during regular rig move operations.



During the deployment of an anchor, the **iBUOY™** should be attached to the delta plate using a fibre rope shortened with a weak link. If the weak link breaks due to external forces, the full length of the rope is released and the **iBUOY™** will float above the delta plate.

**iBUOY™** is using the **AHV's** USBL system for online anchor position tracking. **iBUOY™** can be used with all standard USBL systems and is easily interfaced to the **iSAFE®** system onboard the **AHV**.

The **iBUOY™** position and depth are easily transmitted via radio link to the **iNAV®** system onboard the rig. The **iNAV®** system then provides graphical as well as numerical online information of the location of the **iBUOY™** and the anchor, to all relevant parties involved in the operation.

Compared with the methods most commonly used for anchor positioning today, the **iBUOY™** anchor tracking system provides reliable online information of the anchor position during deployment and after the anchor is landed on the seabed. In addition, an indication of the drag length can be calculated.

**NOTE:** To take fully advantage of the **iBUOY™**, the **AHV's** USBL system needs to be calibrated.