Fusion LBL

Fusion LBL is designed to position multiple subsea targets and structures with the highest possible levels of accuracy. The system can be configured to support simple tracking tasks through to complex, deepwater construction projects with multiple surface vessels and subsea vehicles working in close proximity to each other.

The Long BaseLine (LBL) method provides accurate positioning over a wide area by measuring ranges from a vessel to 3 or more transponders deployed at known locations on the seabed or on a structure. The technique offers a high degree of positioning repeatability and with range redundancy, an estimation of the position quality can also be made.

Features and Benefits:

- Allows multiple targets to be positioned simultaneously with centimetric precision independently of water depth.
- Operational efficiency is significantly increased through faster set-up and faster array calibration
- Compatible with existing, worldwide inventories of LBL transponders
- Hundreds of acoustic channels allow multiple vessels to operate in close proximity without interference.

APPLICATIONS

- Marine salvage and recovery
- Spoolpiece installation
- Towfish/ ROV/ DSRV tracking
- Subsea construction and survey
- Mineral exploration
- DP position referencing
- Permanent field monitoring
- Riser shape and angle monitoring

Vessel Based Equipment

Pharos LBL Software
Data Fusion Engine
Type 8010 RovNav 5 LBL Transceiver

In-Water Equipment

Compatible equipment includes:
Type 8000 Compatt 5
Type 8010 RovNav 5 LBL Transceiver
Type 7842 (MF) Mini RovNav
Type 7807 (MF) RovNav
Type 7860 (EHF) Mini RovNav
Type 7808 (EHF) RovNav
Type 7800 (MF) Compatt Mk4
Type 7801 (EHF) Compatt Mk4
Type 7802 (LF) Compatt Mk4

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