



The TMT FATT Buoy (Floating Acoustic Telemetry Transceiver) is an acoustic positioning system that brings simplicity and cost savings to subsea tracking operations. It is easier to deploy and more accurate than other costlier systems.

TMT worked closely with iXBlue, the makers of the industry leading GAPS positioning system, to create a unique design. Traditional seabed acoustic transponder arrays can often be expensive and over engineered for the required accuracy or task at hand. The TMT FATT Buoy replaces these traditional seabed acoustic transponder arrays on rigs that do not have an on-board USBL system for tasks such as spudding or work-overs.

The combination of an inertial aided USBL system and a high-precision DGNSS allows tracking of compatible beacons in depths of up to 4000m. Once deployed, the TMT FATT Buoy can be held in place by a crane wire, winch or simply tethered to a vessel or platform.

The TMT FATT Buoy can be used on operations that require USBL even when a through hull moon pool is not available, or if an over the side USBL fixture is not feasible.

### Features:

- Deployed via crane or winch
- No calibrations required
- High precision DGNSS position
- Full integration of USBL
- Inertial Navigation System (INS)
- Real-time positioning
- Seabed position accuracy of 0.2% x slant range

### Specifications:

- |                     |                          |
|---------------------|--------------------------|
| • Dimensions        | ø3.85m x1.2Hm            |
| • Weight in Air     | 157Kg                    |
| • Data Output       | RS422, RS232, Ethernet   |
| • Power Supply      | 28-36V DC<br>110/240V AC |
| • Power Consumption | 50W                      |
| • Cable Length      | 100m                     |
| • Connector         | 16-pin SUBCONN           |
| • Depth Rating      | 25m                      |

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