Fusion 2 combines the world's most popular Long BaseLine (LBL) acoustic positioning system with our trusted INS architecture, thus removing the interfacing complexity of two separate systems. Fusion 2 utilises 6G+ and Wideband3® acoustic hardware and protocols and improves the efficiency of tracking a target by embedding sensor measurement updates into the ranging cycles.
As well as improved conventional LBL calibration methods, Fusion 2 is also capable of indirect ranging or "Fast LBL", significantly improving position updates for mobile transponders as used on structures.

COURSE OBJECTIVES

This course is aimed at those already trained in Fusion 1 (6G) LBL software. It introduces Sonardyne's Fusion 2 LBL software utilising our 6G+ subsea acoustic positioning hardware. The course aims to teach the user the improved work flows for calibrating and processing acoustic LBL, and demonstrate the more efficient operating methods Fusion 2 offers, through hands-on scenarios using remote access online.

COURSE TEACHING MEDIUM

The course theory presentations and the accompanying written material are in English.

PREREQUISITE

Delegates must hold an in-date Fusion 1 (6G) LBL competency certificate.

WHO SHOULD ATTEND?

• Hydrographic Surveyors
• Survey Engineers

COURSE DURATION

The course will take 1 2.5Hr online session supported by some pre-learning material.

NUMBER OF PARTICIPANTS

This is a 1-to-1 or 2-to-1 session with a trainer.

BOOKING AND CONFIRMATION

Details of course dates, training centre locations and current availability of places can be found at the Training Course section of Sonardyne's website:
www.sonardyne.com/product/training/

To reserve a place on a course, please email:
training@sonardyne.com

Other info

Fusion 2 LBL competency certificate will be sent on completion of this course.

COURSE SYLLABUS

Theory
• Calibrations and Processing
• 6G+ Command Language & TS9 info

Practical
• Fusion 2 Hardware setup and Configuration (serial and acoustic testing)
• Fusion 2 Software configuration (LBL)
• Baseline Calibration and Boxins (conduct & QC)
• LBL & Fast LBL Tracking
• Application of Sound Speed Profiles, Tidal Variation and Environmental Factors
• Tracking Diagnostic Tools (travel times)
• Application of Geodesy, Convergence and Scale Factor
• Troubleshooting and Support procedures