



The Pressure Inverted Echo Sounder (PIES) instrument is a transponder that obtains average sound velocity of the water column by measuring pressure and time taken for a transmitted chirp signal to reflect off the sea surface. The PIES instrument is also capable of measuring other oceanic properties such as local temperature, instrument pitch/roll and instrument battery life.

COURSE OBJECTIVES

This practical skills course provides the basic theoretical knowledge together with a thorough practical understanding of the operation of Sonardyne's PIES transponders and Monitor software. It covers the correct configuring of sub-sea units prior to deployment and the recovery of logged data.

WHO SHOULD ATTEND?

Course is geared to include:
All involved with configuring, deploying and operating the PIES system.

COURSE TEACHING MEDIUM

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

COURSE DURATION

This course is completed in 1 day.

NUMBER OF PARTICIPANTS

Courses are for up to 6 participants. This instructor to participant ratio ensures good one-to-one support, during the hands-on sessions.
If required bespoke courses can be run for more than 6, with an additional trainer required.

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

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

TRAINING COURSE DELIVERABLES

- Course material along with a USB stick containing electronic course material and relevant product manuals
- PIES attendance certificate

COURSE SYLLABUS

Theory

- Introduction to PIES
- System Principles
- System configuration
- Methods of deployment

Practical

- System mobilisation
- Transponder set up & configuration
- Preparations for deployment
- Monitor Software operation
- Set up of Dunker 6 LMF
- Deployment of transponders
- Logging of PIES data
- System diagnostics and acoustic link status
- Acoustic recovery of logged data
- Release and recovery of transponders
- Serial upload of stored data from transponder
- Data processing