

Survey: Underwater Positioning

ST-UPS

Target group	The course is practically-oriented and is intended for people who either already work with these systems or work together with hydrographers daily. Furthermore, the course provides the DP operator with a clearer insight into underwater positioning.
Preliminary training	Using / knowledge of underwater positioning such as LBL, USBL or DVL in actual practice or the "Survey: Introduction Hydrography" course.
Contents	<p>This course deals primarily with the basic principles and working of the present underwater positioning systems. Furthermore, the course contributes substantially to comprehension of and knowledge in the field of these systems via a practically-oriented approach.</p> <p>The following subjects are dealt with:</p> <ul style="list-style-type: none">• Underwater acoustics: Sound velocity, diffraction, frequency and range, detection methods• Basic knowledge of positioning: Distance measurement, Goniometry• Introduction positioning systems• Long Baseline: Working, Installation, Calibration and use• Ultra Short Baseline: Working, Installation, Calibration and use• Doppler Velocity Log: Working, Installation, Calibration and use• Altimeter en Pressure sensor: Working and use• Inertial positioning: integration of sensors
Duration	1 day, lessons from 09.00 to 16.30
Price	€ 390,00 exclusive VAT including lunch, book(s)/handouts
Starting date	On request
Completion	Certificate of attendance
Particulars	If there is sufficient interest, the course can – on request for a quotation – be given at any desired location.
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