

# Survey: Land surveying for Hydrographers

ST-LMK

**Target group** The course is practically-oriented and is intended for people who carry out land surveying activities in relation to hydrographic / civil engineering work. This course is explicitly not intended as a training to become a land surveyor.

**Preliminary training** No special preliminary training required.

**Contents** In this course, land surveying techniques that are used in the wet building industry and construction will be explained in a practically-oriented manner. Furthermore, ample attention will be given to the basic (calculation) techniques that are necessary to be able to carry out the work. There will also be practical lessons, so that the students can put into practice what they have learned. The examples used will mainly have a hydrographic background and consist *inter alia* of measuring off water level recorders, surveying sites raised with sand through hydraulic fill, placing topsides of platforms and measuring off vessel geometry.

The following subjects are dealt with:

- Units and basic concepts
- Geodesy: Geoid, Ellipsoid, Datum transformations, projections and vertical datums
- Calculation techniques for land survey and positioning/location
- Quality assurance and accuracy
- Measuring and plotting
- Goniometry
- Levelling
- RTK DGPS
- Applying land survey techniques in hydrography
- Land survey in dredging
- Land survey in offshore
- Land survey at calibration activities
- Data processing and reporting
- Actual practice

**Duration** 5 days, lessons from 09.00 to 16.30

**Price** € 1850,00 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. This course is partly composed of subject matters that are dealt with in separate, one-day courses.

**Information** STC-BV  
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