

Survey: DGPS and RTK DGPS Systems

ST-GPS

Target group	The course is practically-oriented and is intended for people who either already work with these systems or work together with hydrographers and/or land surveyors daily.
Preliminary training	Using / knowledge of DGPS of RTK systems in actual practice or the "Survey: Introduction Hydrografy" course.
Contents	<p>This course primarily deals with the basic principles and working of current DGPS and RTK DGPS systems. Furthermore, the course contributes substantially to a clear understanding and knowledge in the field of DGPS via a practically-oriented approach.</p> <p>The following subjects are dealt with:</p> <ul style="list-style-type: none">• Working of GPS: Constellation/configuration, Distance measurements to the satellites, Exact time synchronisation, Timing• Quality control and securing: Sources of error• Geodesy: Ellipsoid, Geoid, Vertical datums• DGPS: Measurement principle, Multi-reference systems, Datalink• RTK DGPS: Measurement principle, Carrier Phase DGPS techniques• Installation and working: Installation of reference and monitor stations, Setting up a mobile station, Configuration of the mobile receiver• Performing checks: Position check, Monitoring• Use: Surveying, Using RTK OTF for tidal information, RTK for land surveying purposes
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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