

## ONLINE INTRODUCTION TO HYDROGRAPHY

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<b>Target group</b>	<p>This course is intended for people who received no formal hydrographic training but who do work, or want to work in this field.</p> <p>The course provides inter alia a thorough basic knowledge for functionaries who frequently work with hydrographic recording and processing software and/or functionaries who frequently work together with hydrographers.</p> <p>The course is not only intended for the operational staff but can also provide the management team with valuable insights into the subject matter.</p>
<b>Preliminary training</b>	No special preliminary training required.
<b>Contents</b>	<p>This course deals with the currently used hydrographic survey methods and measurement principles. The proper terminology will of course not be avoided. All subjects are handled in such a way that sufficient basic knowledge is dealt with. The course is supported by video in which the students will be introduced to surveying in general, positioning, multi beam, sensors (giro), software, dataprocessing.</p> <p>Hydrographic Projects</p> <ul style="list-style-type: none"> <li>Introduction</li> <li>Hydrographic data cycle</li> <li>Project aim and needs</li> <li>Survey requirements</li> <li>Survey Design</li> <li>Geodesy and tides</li> <li>Positioning systems</li> <li>Velocity measurement</li> </ul> <p>Hydrographic Systems</p> <ul style="list-style-type: none"> <li>Bathymetric systems</li> <li>Imaging and object detection</li> <li>Water movement</li> <li>Seismic and geotechnics</li> <li>Hydrographic data cycle</li> <li>Data Acquisition</li> <li>Data Processing</li> <li>Charting and reporting</li> <li>Data management</li> </ul>
<b>Duration</b>	5 instructor led online lessons of three hours (using Microsoft Teams)
<b>Price</b>	€ 750 per person, minimum 8 attendees, including lecture material and handouts
<b>Starting date</b>	On request
<b>Completion</b>	Certificate of attendance
<b>Particulars</b>	If there is sufficient interest, the course can – on request for a quotation – be given at any desired location. This course can also be extended with company-specific topics on request, for example DGPS & RTK systems, single beam echo sounding en data processing.