

# Survey: Sub Bottom Profiler

ST-SBP

**Target group** This course is not only intended for those people who have no previous experience with Sub bottom Profilers, but also for people who already work with Sub Bottom Profiler systems and want to gain more in-depth knowledge or brush up their knowledge.

**Preliminary training** Using / knowledge of sub bottom profiler systems in actual practice or the "Survey: Introduction Hydrography" course.

**Contents** In the offshore industry various seismic techniques are used for searching for oil and gas, and also for determining the positions of underground objects. This module will focus on shallow water reflection seismics and the interpretation of this. At the beginning of the course, basic techniques such as underwater acoustics and geophysics will be explained. Then, data gathering methods by means of several systems will be explained and finally data processing will be dealt with. The course includes many examples from practical experience on the basis of which data interpretation is given.

The following subjects are dealt with:

- General
- Geophysics
- Underwater acoustics: Reflection, Absorption en Reflection, Sound velocity in sediment, Penetration of the seabed
- Sound sources: Transducers, Sparker, Boomer, Pinger, Chirp.
- Sub Bottom Profiling systems: Boomer, Sparker, Sub Bottom Profiler, Chirp Profiler
- Accuracy: Horizontal resolution, vertical resolution
- Assimilation: Amplifiers, Filtering, Registration, Examples

**Duration** 1 day, lessons fom 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.

**Information** STC-BV  
Lloydstraat 300 3024 EA Rotterdam  
Tel. +31 10 4486000 or 4486433  
Fax +31 10 4486029  
E-mail [wiegman@stc-r.nl](mailto:wiegman@stc-r.nl)  
[www.stc-bv.nl](http://www.stc-bv.nl)  
[www.stc-group.nl](http://www.stc-group.nl)

