Seabed Dredge registration system

Innovations in the dredging industry follow each other rapidly. The accuracy with which new waterways, ports, artificial island, etc. are generated is increasingly important as is the accuracy in the maintenance. Therefore, accurate visualization of the dredge head is of absolute importance.

Different methods are used to visualize the bottom prior to the dredging process. Surveys are done during the dredging process, which are processed a visualized in data maps. This allows the dredging companies to see, where they are, where they have been and where they need to be. But how can you visualize your dredging process as you are dredging?

Seabed offers a complete real-time solution in the field of dredging monitoring and positioning. By monitoring all moving elements of the dredge system seabed is able to

achieve an absolute accuracy of <5 cm at the edge of the bucket, grab, cutter or other dredging instrument.

The dredge system is deployed as an all in one unit in a multipurpose (portable) ruggedized case IP67. This highly advanced guidance system is efficient, can be configured through a user friendly WebGUI and is compatible with all sorts of data acquisitions software like QINSy, Hypack, Eiva or PDS2000.

The system can be applied on any vessel or crane involved in dredge operations for example but not limited to:
• Wire crane;
• Hydraulic crane;
• Cutter dredger;
• Hopper dredger.

Seabed Dredge registration system specifications

Contact us

For more specific information concerning how we can assist your organization's needs, please call +31(0)20 636 84 43 or visit our website for more information & all our contact details, **www.seabed.nl**

Seabed Dredge system

SGR7-D	GPS/GLONASS L1L2 RTK & LBAND receiver
Input Voltage	9-36 VDC power input/230 VAC power input
Angle accuracy (for all models)	0.1%FS
Cable length counter accuracy (for all models)	<1mm
Position Accuracy	0.05m (at the dredge instrument)
Interface	Ethernet
Controls	By WEB GUI
Maximum Data Rate	10 Hz
Compatibility	8 sensors or more, i.e. Inclino's, encoders, Flow meters, Depth indicators, Load cell, etc.
Environment	Waterproof IEC60529 IPX7
Temperature	-40°C to 50°C

Specifications are subject to change without prior notification.

SEABED

Getting to the bottom of things