

### Leader in Ultrahigh-Resolution Seismic (UHRS) Applications for Offshore Wind Farms



### **TURNKEY SERVICES**

Together with our partner GeoSurveys, our 2D and 3D UHRS turnkey services meet all necessary requirements for de-risking offshore wind turbine installation with efficiency and safety.

We provide the highest standard of acquisition procedures and processing flows to ensure outstanding data quality, accuracy and resolution.

### **INDUSTRY PIONEERS**

#### The negative discharge

sparker: created by our founder, Dr. Ivan Bielic de Jong, makes our sparkers capable of generating highly stable pulses with no tip wear, as well as being capable of shooting for months with no maintenance. Stacked sources: the benchmark for data quality in UHRS, this approach provided a new level of data resolution, penetration, and overall quality for engineering support; **First commercially viable 3D** UHRS: currently in its 4th generation, our 3DUHRS solution has been utilized by the offshore wind farm (OWF) industry since 2015.



Negative discharge multi-tip sparkers

### CONSULTANCY AND RENTAL

Whether our clients decide to purchase, rent our equipment, or hire our turnkey services, we have the best support and consultancy.

geo-spark.com









### **Turnkey Service Solutions**

Seamless technical support, exceptional manufacturing, and industry leading rental services make Geo Marine Survey Systems the perfect partner for all UHR seismic projects.

Together with **GeoSurveys**, our partner in Portugal, we provide complete seismic packages including advanced UHR processing, interpretation, and final reporting services.

Our turnkey service solutions are the perfect way to de-risk your operation and ensure the highest quality of data is acquired, processed, and delivered.

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Our Turnkey Services:

- Project Management;
- Equipment preparation, mobilization;
- Equipment rental;
- Offshore personnel;
- Offshore offline QC (personnel and in-house flows);
- Data processing;
- Data interpretation;
- Reporting.

For more data examples, please visit

- <u>www.geosys.nl/gallery</u>
- vimeo.com/geomarine



Two stacked 400-tip Geo-Source sparkers with a Geo-Sense 48-ch streamer



Depth slice showing efficient boulder mapping



Inline profile (grey), depth slice (grey) and interpreted horizon (blue to red) from a 3D UHRS survey acquired with an ASV  $\,$ 







## Geophysical and Geotechnical Equipment Rental

We have an extensive geophysical and geotechnical rental pool available for projects worldwide

Geo Marine Survey Systems offers a wide range of seismic spreads and geotechnical equipment suitable for all applications. We are able to provide long term equipment rental or rapid solutions for small projects. We are continually adding new technologies to complement our existing rental pool in order to always offer our client state-of-the-art solutions.

Choosing to rent our equipment will mean that you are renting directly from the manufacturer with a direct line of customer support available.

Our comprehensive range of Geophysical and Geotechnical equipment available for rental includes:

- Sparker Marine Seismic Sources
- Sparker Fresh Water Seismic Sources
- Boomer Seismic Sources
- Single Channel Streamers & Recorders
- Multi-Channel Streamers & Recorders
- Source and Streamer positioning
- Electrical winches for Streamer & HV Cables
- Advanced 2D-UHRS Systems
- Ultrahigh Resolution 3D Systems
- Custom Built Survey Containers
- Piston Corers, Drop Corers and Vibro-Corers

Standalone equipment can be rented from our Main office in the Netherlands or our bases around the world (Thailand, USA, Brazil and China).

We strongly advise our clients to use our personnel and turnkey service solutions to de-risk their offshore operations as we guarantee optimal data results. In the event you wish to purchase equipment, we offer on-site commissioning and training by an expert.



Packed equipment ready to ship from the workshop



Equipment ready for transit



Container ready to ship



Geo-Source Triple 800 sparker sources being loaded onto the vessel

**GCO** MARINE SURVEY SYSTEMS

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## **Field Support and Training**

We offer skilled geophysical operators and processing geophysicists to support our customers offshore.

All our operators are company trained, know the equipment thoroughly and can support you on every phase of your project from equipment installations to offshore operations. Our personnel are available to travel on short notice to provide field-support to solve your technical problems.

We are the number one users of our equipment and software, therefore our operators, data processors and engineers are able to provide the highest level of support and consultancy.





Geo Marine operators deploying a stacked sparker

Through our in-house resources and partners, we are able to provide full data QC, processing and interpretation solutions for all offshore survey datasets. We are specialized in Ultra-High Resolution marine seismic with a focus on offshore geohazard assessment.

We can provide full equipment redundancy along with our highly experienced team to ensure smooth and continuous offshore operations. Being a small and flexible company, we can be quickly mobilized anywhere in the world for your project.

We offer a comprehensive range of training at our purpose built compound in Thailand, in our European Office (Rotterdam, the Netherlands) or on site. Training sessions can include operational use and equipment maintenance, data processing and interpretation.



Operators performing vibro-core operations



Data acquisition and QC





bio.link/gmss

### Europe & Africa

Americas

Asia & Oceania

# Contact

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