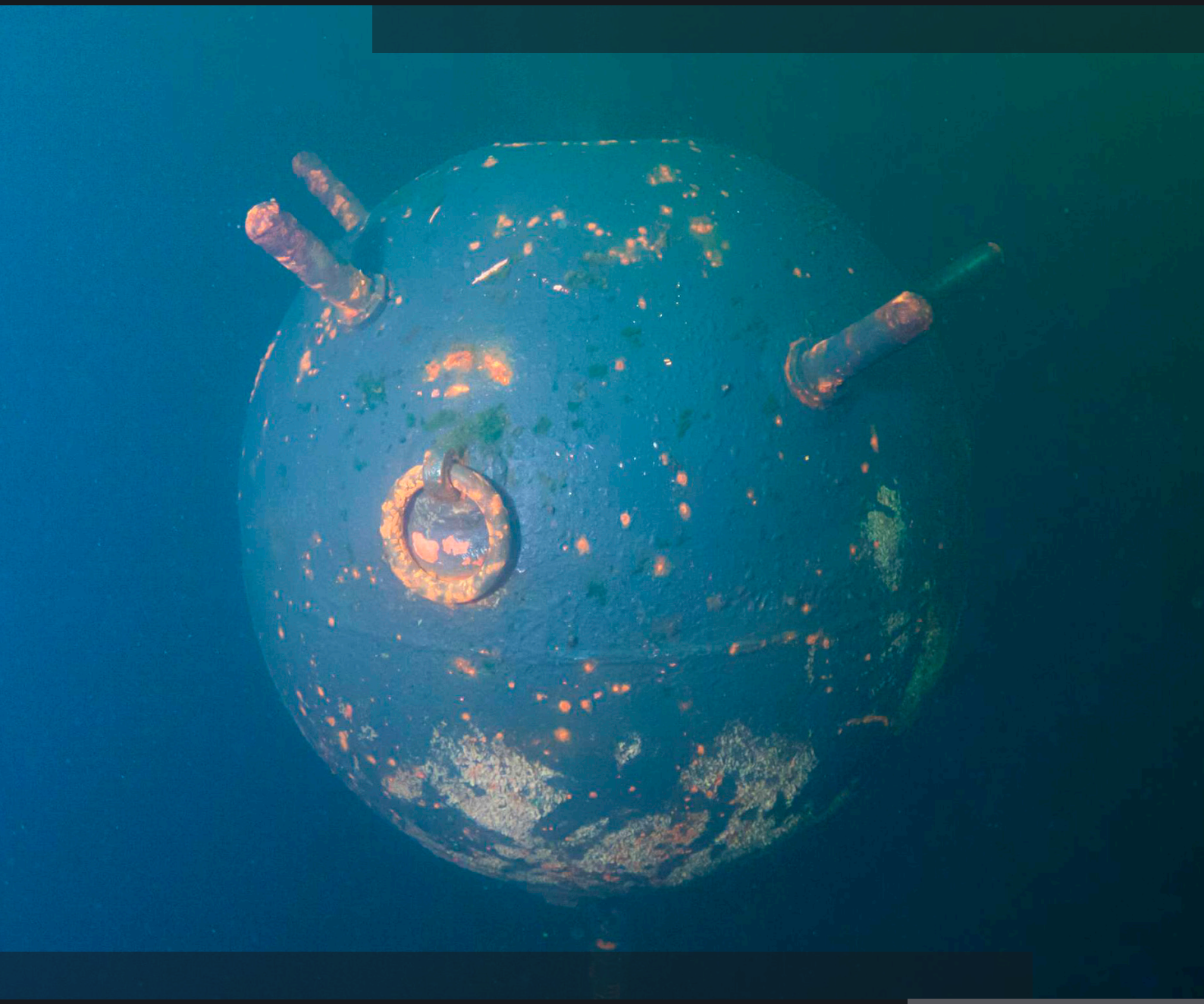
SEEQUENT



Accurately detect offshore targets with UXO Marine

Locate unexploded ordnance (UXO), utilities, and debris with marine magnetic and gradiometer data.

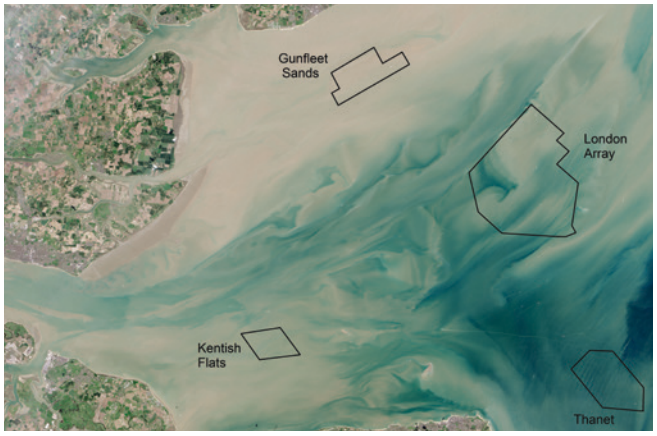
Seequent, The Bentley Subsurface Company

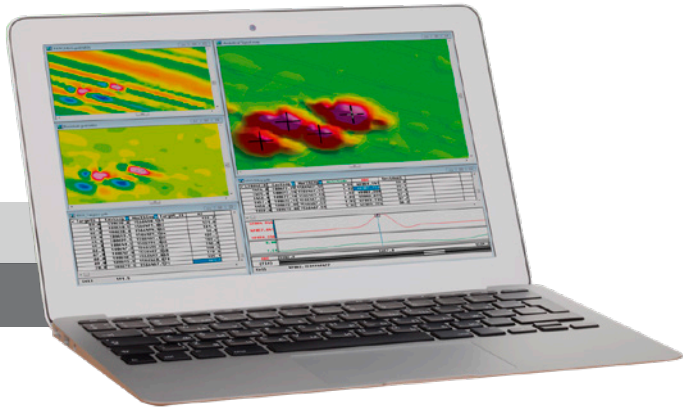
Your specialised workflow for offshore UXO target detection

Ensure the safety of your projects while minimising expenses.
Save on expensive clearance and diving costs with software designed to process and analyse marine geophysical surveys to detect UXO.

Rapidly process large data sets

Easily process and map large volumes of magnetic and vertical gradiometer data. Automate repetitive processes to easily transform and visualise data sets of any size. Quickly locate, select, and analyse the most likely UXO marine targets.





Ensure high quality data

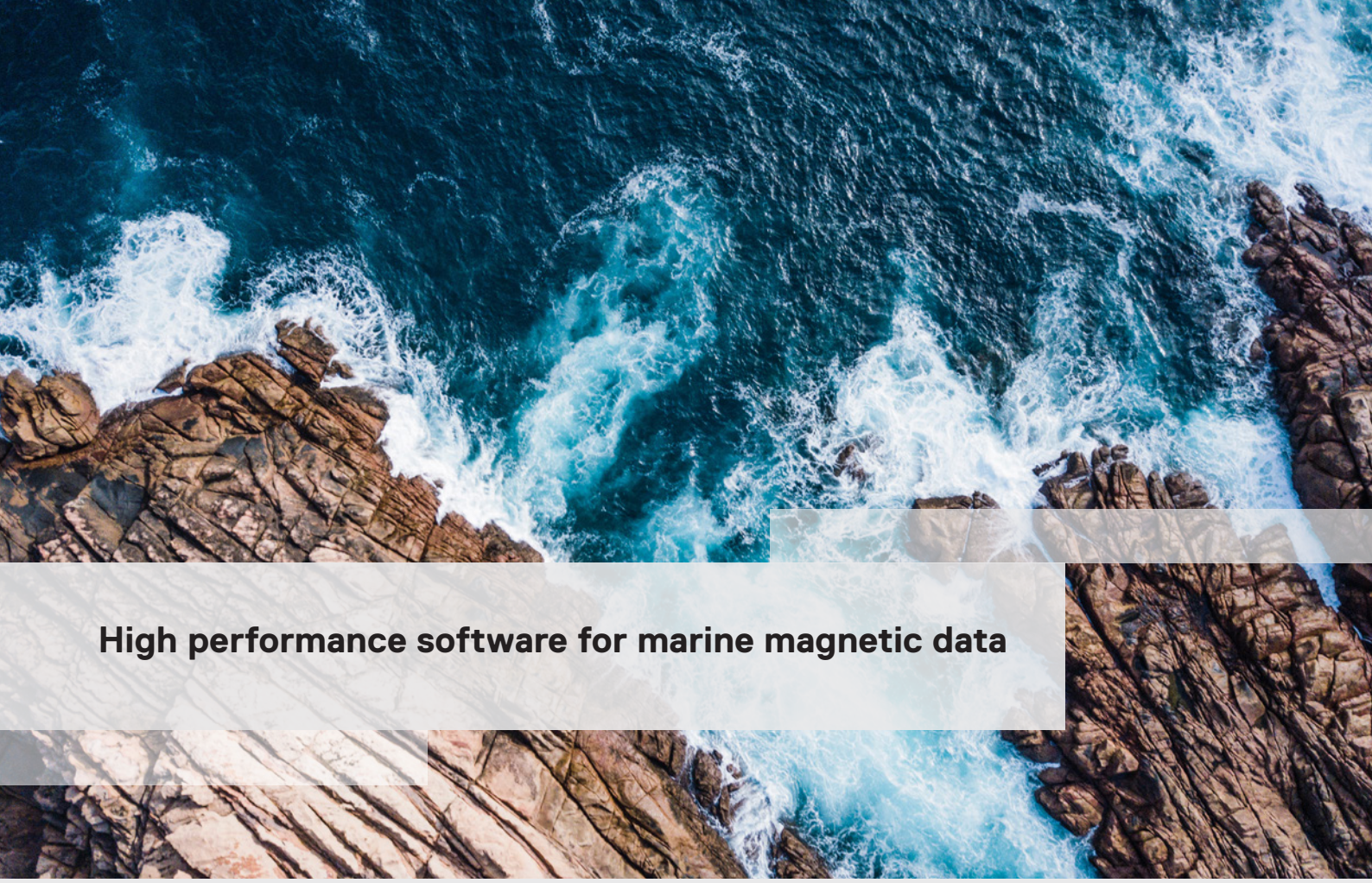
Correct for navigation issues at sea. Run quality assurance and quality control on instruments and data. Locate and analyse UXO targets with precision. Optimise seabed surveys from planning to data collection to reporting.

Apply specialised tools

UXO Marine is designed for marine surveyors working with individual sensors and multi-sensor arrays, as well as multiple gradient and horizontal gradient gradiometers. Process and visualise magnetometer and gradiometer data for effective target detection and analysis in marine surveys.

The UXO Marine extension requires Oasis montaj.





High performance software for marine magnetic data

Correct data for navigation problems

Automatically position all sensors in multi-sensor arrays and apply a variety of navigation corrections.

Adjust magnetic data to a constant “altitude” above the seafloor with a specialised draping tool to gain a consistent analysis from line to line, and along each survey line.

Fast, accurate data QA/QC

Ensure your data quality with instrument tests and automated QA/QC processes. Correct sensor positioning using lag and offset tools, and level mag sensors to each other. Enhance the data with filtering and residuals for noise and background removal.

Process large data volumes easily

Rapidly process your data to optimise target picking and analysis. Process data in profile form for wide line spacings (often the case in gradient surveys) or in 2D grids for surveys with full area coverage. Reduce noise and produce a cleaner analytical signal for automated and manual target picking.

Select UXO targets with confidence

Create integrated maps using geology, geophysics, geochemistry, GIS data, and satellite imagery to better understand the subsurface. Create grids, add contours, geophysics, and remote sensing data to enhance your interpretations and guide decision-making.

Visualise and select UXO targets

Interpolate data to produce grids using minimum curvature, bi-directional, multi-trend, direct, tinning, or kriging gridding routines. Quickly produce 3D grids (voxels), using direct gridding, IDW, or kriging algorithms optimised for large-volume geoscience data.

Produce specialised reports and maps

Rapidly and accurately merge geophysical grids regardless of cell size, projection, or grid type with two advanced methods. A blending method for smoothly merging grids and a suturing method for manually defining the join path.

UXO Marine includes modelling tools developed in partnership with Acorn Science and Innovation.

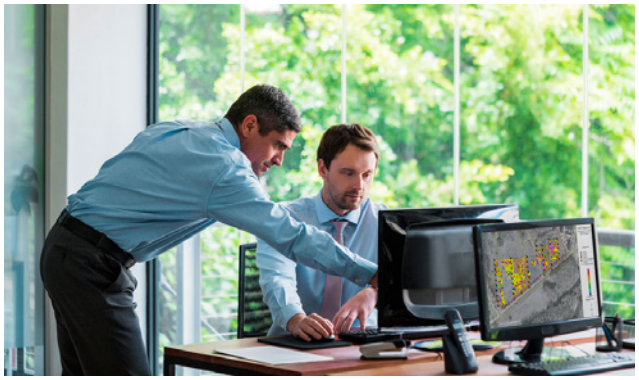
Explore onshore UXO extensions

New geophysical sensors and sensor arrays can produce Terabytes of survey data. Combine the data processing power of Oasis montaj with workflows designed specifically for onshore UXO surveys.



UXO Land

A complete solution for locating and assessing UXO targets



UX-Analyze

A powerful solution for classification, modelling and analysis of UXO targets using advanced electromagnetics.

Easily work with large geophysical data sets and streamline workflows for faster and more cost-effective results with Oasis montaj and UXO extensions.

Deliver fast, cost-effective results

Process, clean, and map magnetic and electromagnetic data – from UAV, land, and marine surveys.

Handle big survey data

Automate repetitive tasks, QA/QC instruments and data, and classify UXO targets with precision. Develop remedial action plans quickly.

Ensure public safety

Trusted for over 20 years by industry professionals, including the US Army Corps of Engineers for their Military Munitions Response Program.

SEEQUENT

A better understanding of the earth
creates a better world for all

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