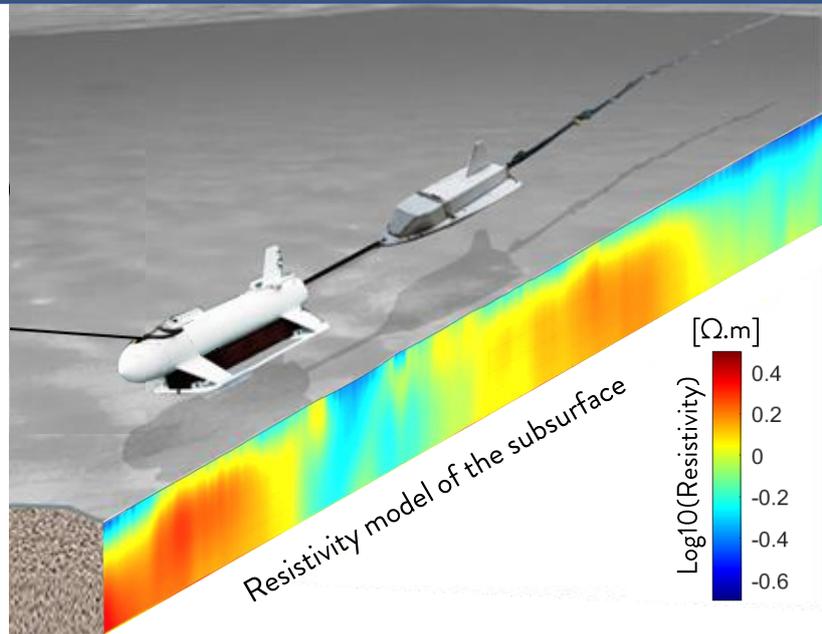


Our services

- A new insight in geophysics
- Imaging the geology of the subsurface using Marine Electrical Resistivity Tomography.
- Providing resistivity models of the subsurface.
- Inferring information on the soil nature, geometry and heterogeneity.
- Performing the complete workflow from acquisition to data processing and analysis.



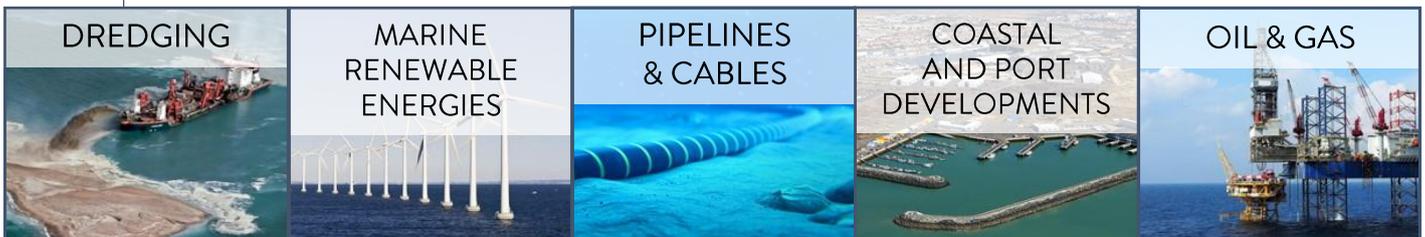
Our advantages



- ✓ World leader in marine resistivity imaging
- ✓ Imaging all types of geologies, including hard rocks and gassy sediments
- ✓ From very shallow water depths up to 100 m
- ✓ Easy deployment (small survey vessel, two operators)
- ✓ Real time supervision and quality check using in-house acquisition software
- ✓ Quick data processing, first results available a few hours after the survey
- ✓ Cost-effective



Applications



Examples

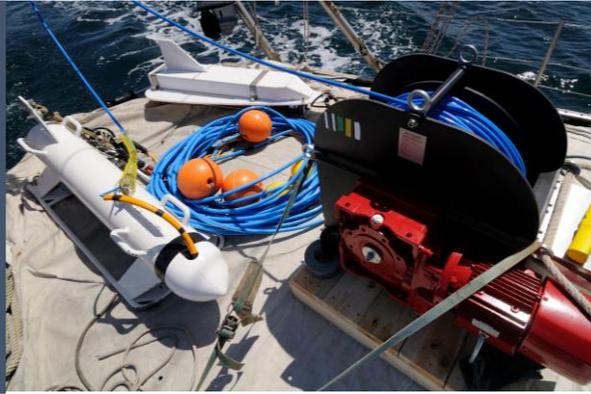
- Detecting sandy areas for dredging purposes
- Locating boulders to secure and optimize geotechnical works
- Helping to plan and secure cable routes
- Imaging the geology under acoustic masks (gas, hard rock)

Our technology

MAPPEM

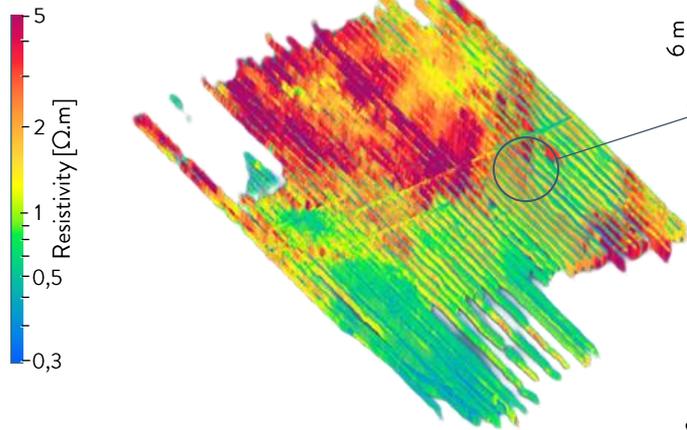
System towed behind a vessel a few meters above the seafloor.

- Main fish and secondary fish form the injection dipole (injected current ~40A)
- Cable with 20 receiving electrodes
- Navigation and position sensors
- Penetration depth: up to 30-35 m
- Lateral resolution: ~1 m
- Vertical resolution: 5% of the depth

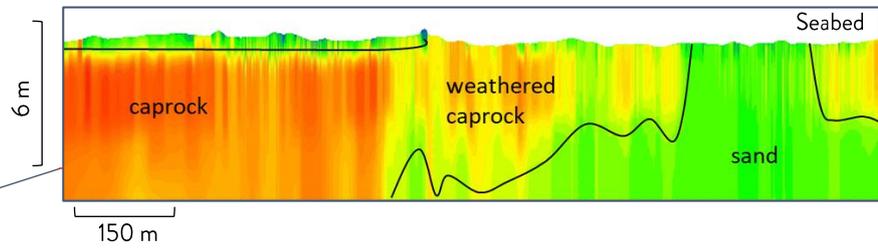


Data examples

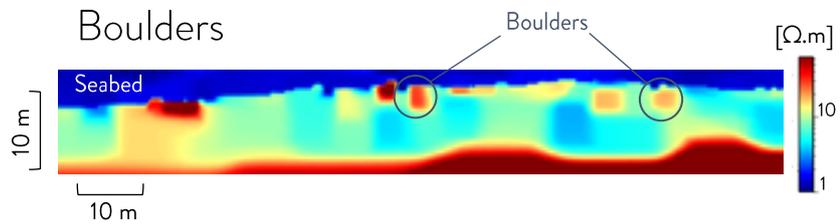
Resistivity models of the marine geology



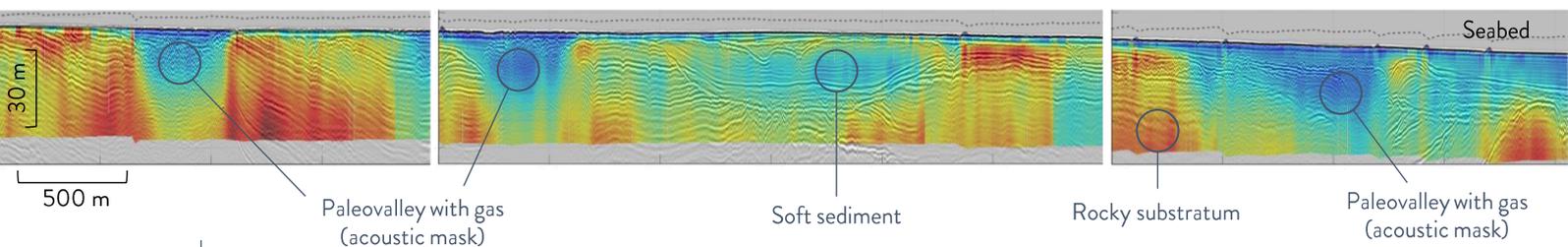
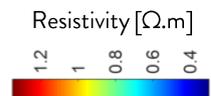
Sand and caprocks



Boulders



Gassy sediments



Resistivity models superimposed with seismic amplitude

Let's get in touch!



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