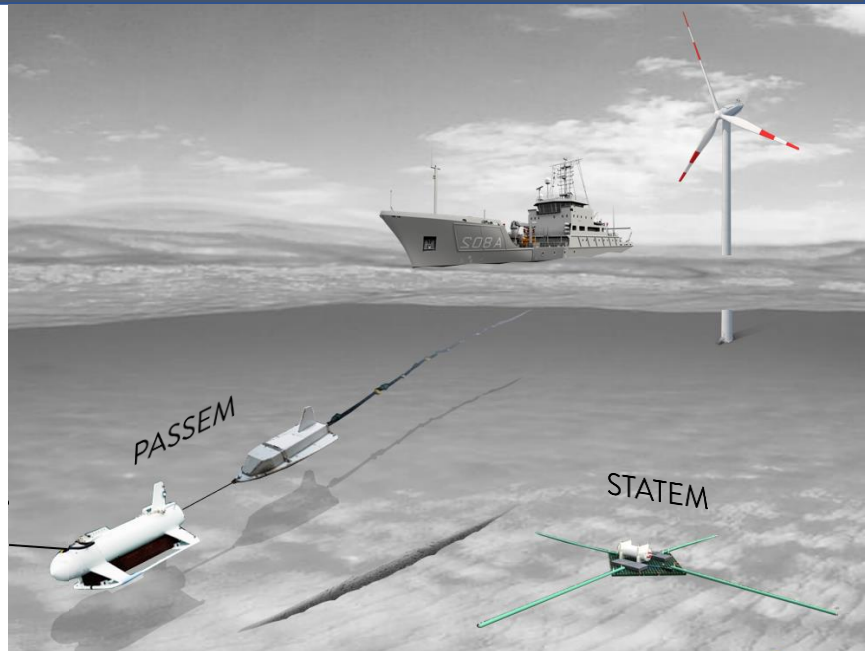


● Our services

- Measuring ambient electromagnetic fields.
- Impact assessment of anthropogenic structures (cables, windfarms...).
- R&D for Defense applications.
- (PASSEM) Performing the complete workflow from acquisition to data processing and analysis.

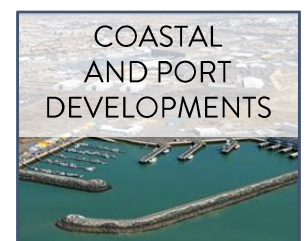
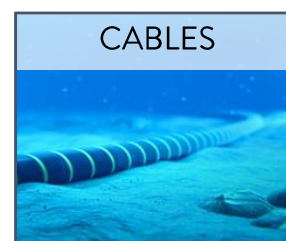
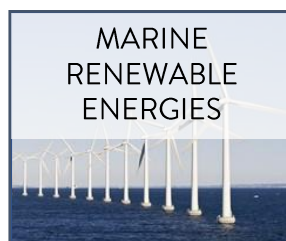


● Our advantages

- ✓ Easy deployment (small survey vessel, two operators)
- ✓ Water depth up to 100 m
- ✓ Mobile or static measurements depending on the survey objectives
- ✓ Detection of very small electromagnetic perturbations
- ✓ Real time supervision and quality check using in-house acquisition software
- ✓ Quick data processing (a few days)



● Applications



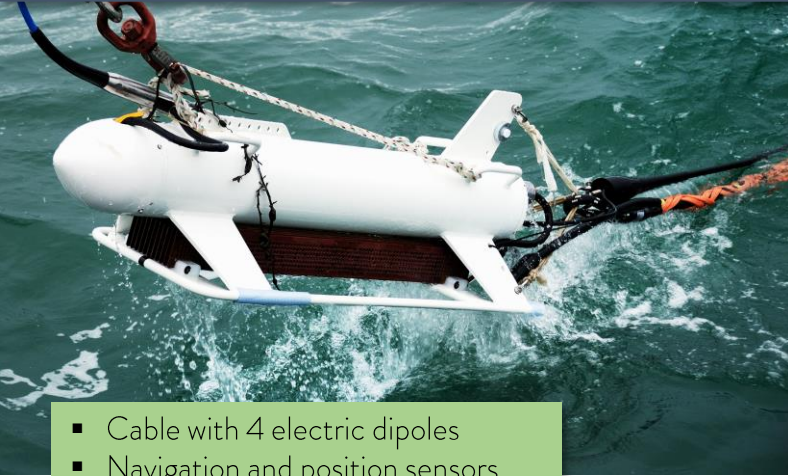
Examples

- Detecting power cables and evaluating their electromagnetic signature.
- Measuring the electromagnetic fields created by a wind turbine.
- Developing surveillance projects for Defense and other purposes.

## Our technologies

### PASSEM

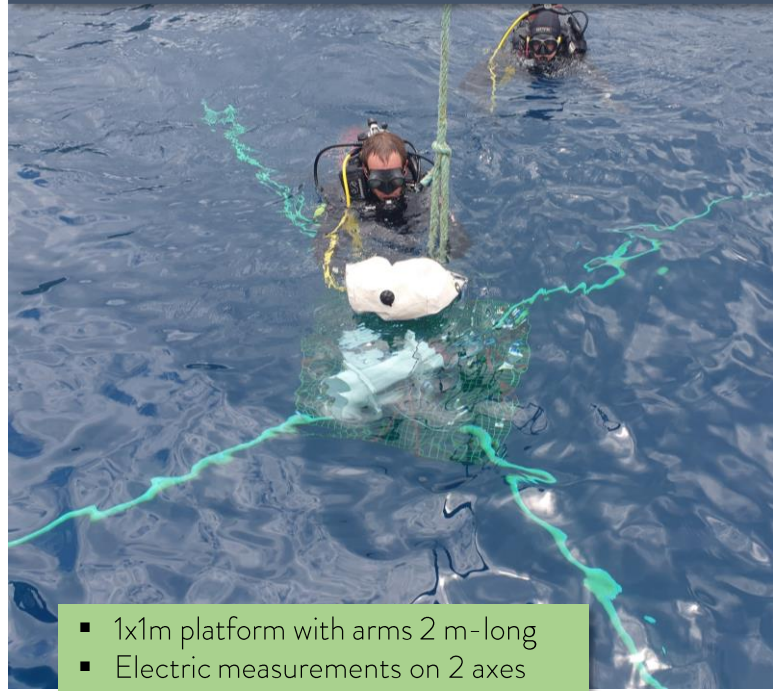
System towed behind a vessel a few meters above the seafloor to carry out passive measurements of electromagnetic fields on a large area and detect objects



- Cable with 4 electric dipoles
- Navigation and position sensors
- 3 axes-magnetometer

### STATEM

Static system fixed on the seafloor, measuring ambient electromagnetic fields in a limited area but with highly precise measurements (less noisy than mobile systems)

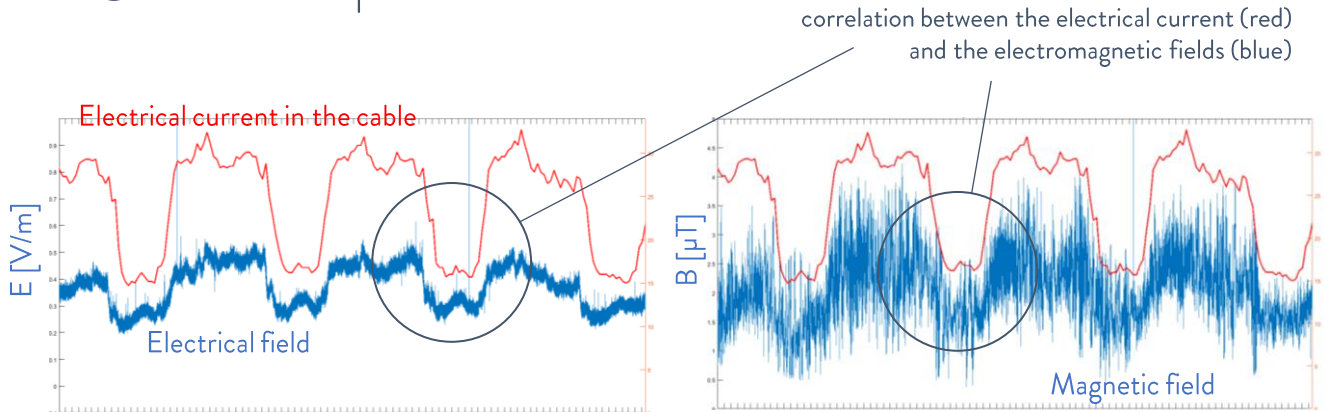


- 1x1m platform with arms 2 m-long
- Electric measurements on 2 axes
- 3 axes-magnetometer

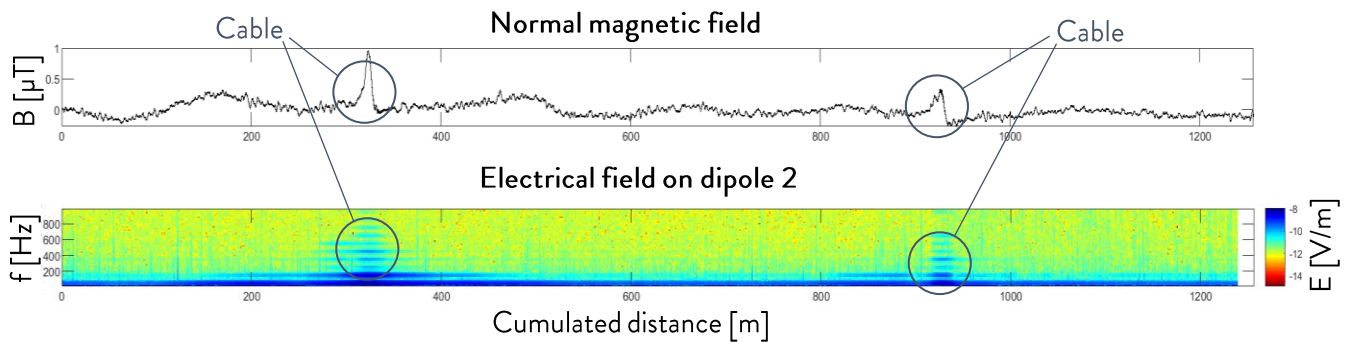
## Data examples

Project SPECIES with France Energies Marines (2019)

STATEM data  
close to a power cable



PASSEM data  
on a power cable



## Let's get in touch!



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