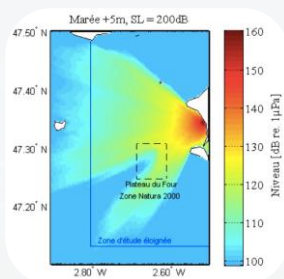


Underwater acoustic impact assessment & mitigation measures

Identification of noise generated by the project

- Description of sound levels & spectral characterization
- Acoustic footprint of the project



Sensitivity of marine fauna (Marine mammals, fish and invertebrates)

- Identification of key species; acoustic and visual inventories (baseline conditions, in-situ measurements)
- Mapping of acoustic impact intensity depending on the type of work
- Analysis of impacts on fish and marine mammal groups (acoustic sensitivity)

Avoidance & mitigation measures

- Proposed measures :
 - Limiting acoustic propagation (bubble curtains, insulation blocks)
 - Allowing organisms to move away from the work area (gradual start-up of operations, “soft-start”)
- Protocols and implementation of acoustic and visual monitoring to:
 - Monitor sound levels generated by the works
 - Delay and/or suspend operations in the event of marine mammal presence

Recent project

- Connection of the South Brittany offshore wind farm
- Connection of the Centre Manche offshore wind farms
- Saint-Quay-Portrieux port development works
- Penly nuclear power plant development project
- Connection of the Dunkirk offshore wind farm
- Port-en-Bessin port works project
- La Turballe port works project
- CELTIC Interconnector project: electrical interconnection between France and Iceland
- Floating Offshore Wind Farms of the Gulf of Lion project