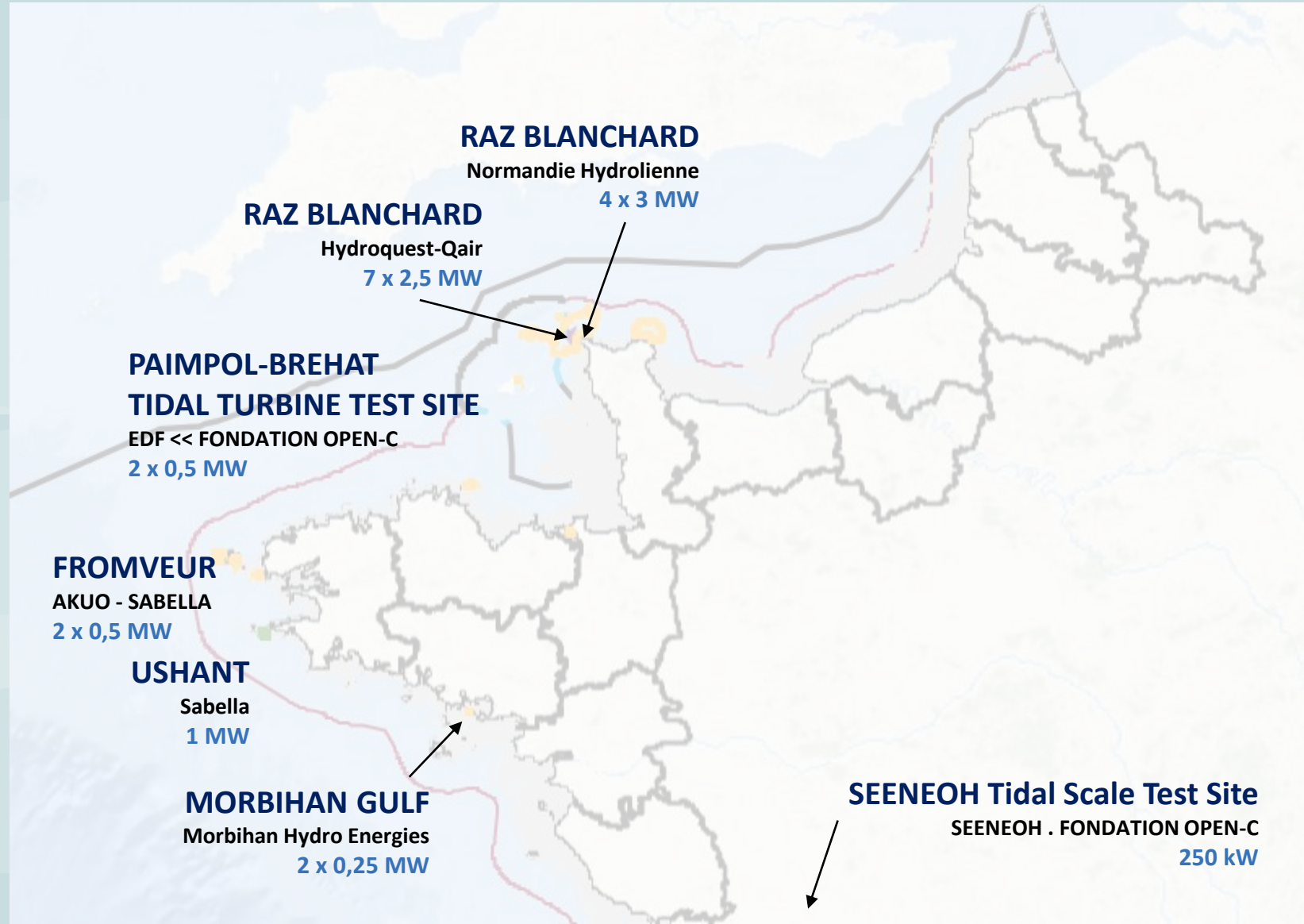


Consenting Tidal Stream Projects in France

Marlène Kiersnowski, Test Site Manager

Consenting to date in France

- Raz-Blanchard, **Normandie-Hydroliennes** (previously consented to ENGIE)
- Raz-Blanchard, **Hydroquest-Qair** (previously consented to EDF-RE)
- **Paimpol-Bréhat Tidal Turbine Test Site** (EDF / OPEN-C Fondation)
- **Fromveur**, Akuo/Sabella
- **Ushant Island**, Sabella
- **Morbihan Gulf**, MHE56
- **SENEOH** Bordeaux, Tidal Test Site



Consenting route - “greenfield” development

Consenting route for tidal energy projects developed until now

The **operator** develops the area of its project alone and manages the entire permitting process for both the grid connexion (in collaboration with the TSO) and the tidal installation

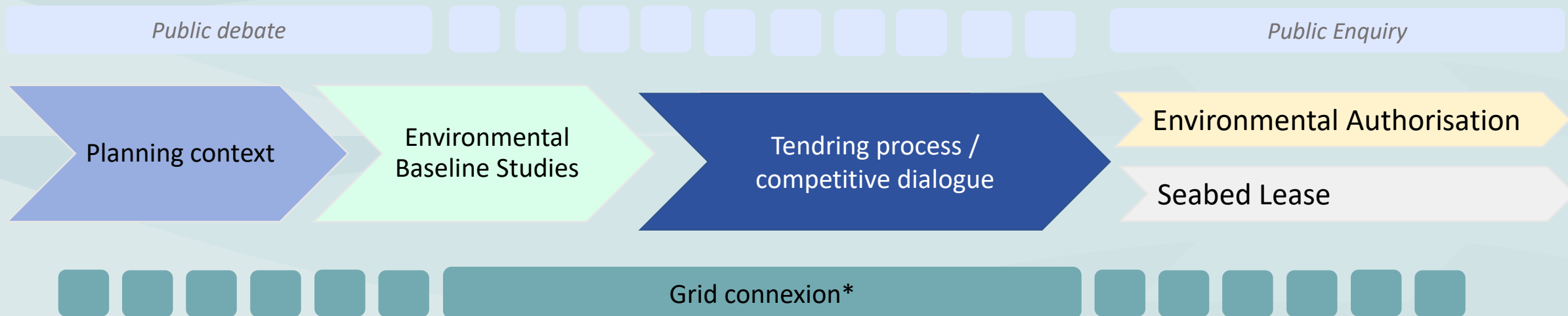


- Also requires an EA and SL + onshore permits. ENEDIS is the DSO in charge of the onshore grid connexion for projects < 17 MW

Consenting route - tendering process

“offshore wind” consenting route – expected with upcoming tenders for tidal energy projects

The **State** controls the procedure until the project is awarded. The area of the project is pre-selected.



* Grid connexion is realized and pay by the French TSO (projects > 17MW)



Planning context

- **Multi-annual Energy Plan - *Programmation Pluriannuelle de l'Énergie*** (= French NECP)
- **Regional Plan for Grid Connexion – *Schéma Régional de Raccordement au Réseau des Énergies Renouvelables (SR3ENR)***
 - The TSO is responsible for grid connexion and its costs in the case of a national tender for projects > 17MW
- **Strategic 'Façade' Documents *Documents Stratégiques de Façade***
- **Protected areas**
 - *Parcs Naturels Marins*
 - *Natura 2000 (Habitats & Birds)*
 - *ZNIEFF I & II...*



2025-26	2027-2028	2028-2033
250 MW au Raz Blanchard	250 MW au Raz Blanchard 2 x 125 MW au Fromveur	3x 500 MW au Raz Blanchard 2 x 125 MW au Fromveur



Source : IGN, Sion

Permits & Authorisations

Authorisation or Declaration

ARTICLE R.214-1 DU CODE DE L'ENVIRONNEMENT	PROJETS SOUMIS À AUTORISATION	PROJETS SOUMIS À DÉCLARATION
TITRE IV IMPACTS SUR LE MILIEU MARIN	4.1.2.0 Travaux d'aménagements portuaires et autres ouvrages réalisés en contact avec le milieu marin et ayant une incidence directe sur le milieu	
	D'un montant supérieur ou égal à 1,9 millions d'euros.	D'un montant supérieur ou égal à 160 000 euros mais inférieur à 1,9 millions d'euros

Threshold : 1 900 000 EUR

Permits & Authorisations

Environmental Impact Assessment

- **Systematic or case-by case:** possibility to request an evaluation of the need to realize an EIA
 - The case-by-case may conclude the EIA is necessary
- **Proportionate** to the project (“simplified” EIA for small projects)

ANNEXE DE L'ARTICLE R.122-2 DU CODE DE L'ENVIRONNEMENT	PROJETS SOUMIS À ÉVALUATION ENVIRONNEMENTALE SYSTÉMATIQUE	PROJETS SOUMIS À EXAMEN AU CAS PAR CAS PRÉALABLE
31. INSTALLATION EN MER DE PRODUCTION D'ÉNERGIE	Eoliennes en mer	Toute autre installation
34. AUTRES CÂBLES EN MILIEU MARIN		Autres câbles en milieu marin installés sur le domaine public maritime

Permits & Authorisations

Environmental Authorization

Evaluation of the impacts on the environment + application of avoid/reduce/compensate sequence

- **Unique** (Order n° 2017-80):
 - Environmental authorisation
 - Special authorisation related to protected areas and species
 - Permit to operate an electricity generating facility
- **Envelope** (Law n° 2018-727):
 - Worst Case Scenario
 - E.g uncertainties around exact location and configuration of devices, type of foundation, exact size of the machines, type of cable and route...



- Based on **EIA**
- Evaluated by the **DDTM** + mandatory **consultations** (Environmental Authority)
- Issue by the **Prefect**
- Subject to **Public enquiry**



- EIA = 12-24 months
- Examination stage = 4-5 months
- Public enquiry = 3 months
- Prefect Order delivery = 2-3 months

Permits & Authorisations

Concession For the Use of the Public Maritime Domain


Evaluation of the impact on the sea uses (navigation, fishing...) and co-existence of activities

– Characteristics:

- Publicity
- 30-40 years duration
- effective reversibility of the changes made to the natural environment

– Content:

- Financial terms and conditions
- Responsibility & insurance
- No property rights

- 
- Based on **EIA**
 - Evaluated by the **DDTM** + mandatory **consultations** including military + nautical committee
 - Issue by the **Prefect**
 - Subject to **Public enquiry**



→ Delays aligned with EA

More information:

TIGER Report: Consenting in France and the United Kingdom

Files

English Version - Consenting in the UK



9.26 MB

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French Version - Guide Autorisations France



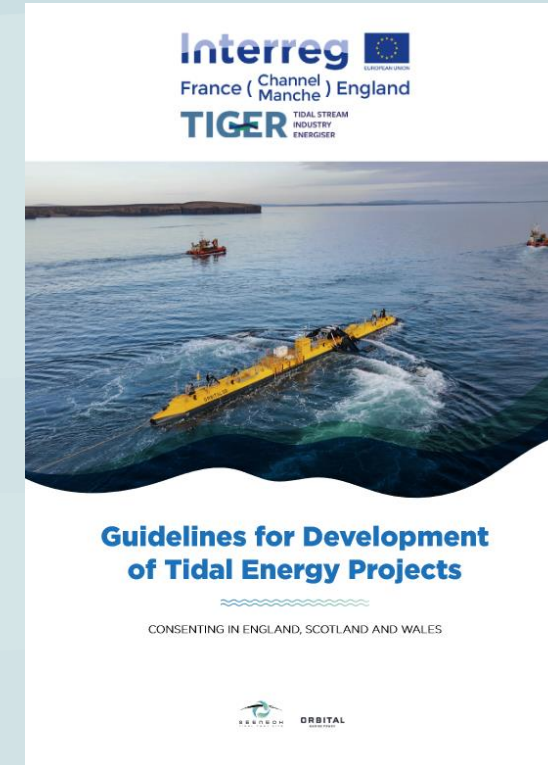
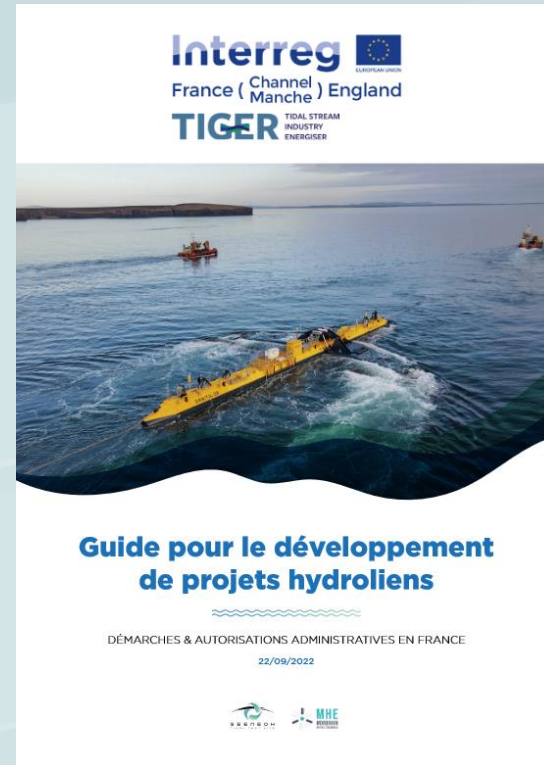
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Details

In order to foster the dynamics of the tidal energy sector, it is essential to guide developers and competent authorities through the various stages of project development, streamline the project authorisation process, improve knowledge by sharing available data and raise awareness among stakeholders. Facilitating site development and permitting processes will also reduce overall project costs.

The objective of this document is to establish methods and practices in project development and to disseminate them to the public and private sectors. The document has been written by providing UK and French case examples and is based on UK and French policies and legislation in force at the time of writing. The guide follows a chronological order corresponding to the order in which the project development stages take place. The report covers the project area, i.e. the English and French Channel.



<https://interregtiger.com/download/tiger-report-consenting-in-france-and-the-united-kingdom/>

Other useful document:

TIGER Report: A Methodology For Site Selection In France & In The UK

Files

English Version - Guidelines for Development of Tidal Energy Projects.pdf



9.26 MB

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French Version - Guide pour le développement de projets hydroliens.pdf



9.07 MB

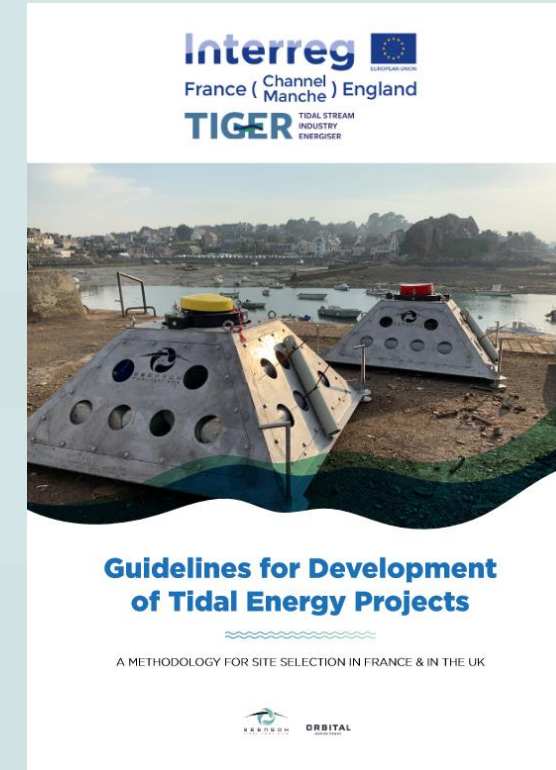
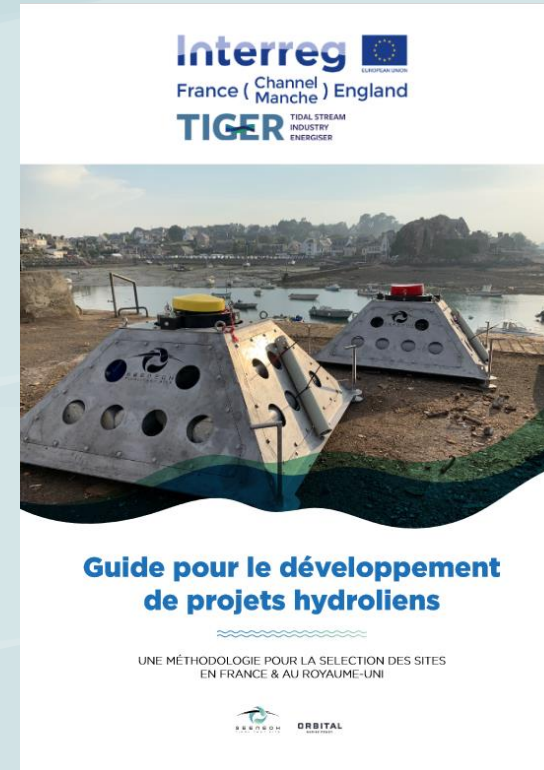
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Details

Guidelines for Development of Tidal Energy Projects

The objective of this document is to establish methods and practices in project development and to disseminate them to the public and private sectors. The document has been written by providing UK and French case examples and is based on UK and French policies and legislation in force at the time of writing.

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<https://interregtiger.com/download/tiger-report-guidelines-for-development-of-tidal-energy-projects/>