



**Intitulé de poste :** Manager of the SEM-REV offshore test site (H/F)

**Niveau de fonction :** Catégorie A

**Département :** LHEEA

### **Context :**

Centrale Nantes is a French Education and Research establishment with a strong focus on mechanical engineering. One of its research fields concerns marine and ocean engineering, supported by several CNRS Labs (hydrodynamics, structures, materials, soil mechanics and robotics), large experimental facilities (wave tanks, wind tunnel) and a supercomputing facility.

In this context, the CNRS LHEEA Lab, has developed considerable expertise in Marine Renewable Energy (WEC, FOWT, MCT) over the last 25 years as a partner in European and international projects and networks.

To complete its research means and expertise, Centrale Nantes launched the development of a multi-technology offshore test site (SEM-REV) in 2007 for MRE testing in real conditions. SEM-REV development has been co-funded by Europe (ERDF), the French government, the Pays de la Loire Region, the Loire Atlantique area and the CNRS.

SEM-REV is now operational with generic permits obtained in 2014 to test WEC, FOWT and their components. Several collaborative research projects have been launched since 2012 and the first large scale demonstrators will be installed in 2017. SEM-REV is also part of the test facilities of the French THEOREM infrastructure, launched in 2016 by Centrale Nantes and Ifremer.

Project development and test site maintenance are managed by a specific team in the LHEEA Lab, composed of about 8 full time technicians and research engineers from different fields of expertise, based in Le Croisic and Nantes.

To support the next step of the SEM-REV development, Centrale Nantes is now recruiting the manager for its SEM-REV offshore test site with the objectives below:

### **Duties and objectives :**

The list of duties detailed below is not intended to be exclusive or restrictive and may be subject to modification. Management of the SEM-REV test site, i.e. team management and organisation, project coordination, academic and industrial relations, relations with administrative authorities and funding bodies. Development of the future SEM-REV activities in term of promotion, demo-project development, collaborative projects. Represent Centrale Nantes for SEM-REV activities with regard to specific MRE organisms and events.

#### **Management of SEM-REV:**

- ✓ Management of the SEM-REV team in the context of the Centrale Nantes organisation and departments;
- ✓ Coordination of existing SEM-REV projects with SEM-REV project managers;
- ✓ Management of test preparation and test programs, including installation, O&M and dismantling. Ensuring that the test site is always fully operational;
- ✓ Relations with legal authorities concerning permit obligations and marine safety / security procedures;
- ✓ Reporting to Centrale Nantes Management with regard to SEM-REV activities, legal obligations, responsibilities and risks;
- ✓ Contractual and financial coordination of SEM-REV projects in relation with funding bodies;
- ✓ Increase efficiency of operational conditions and OPEX and development of QA procedures.

#### **Development of SEM-REV activities and demo-projects:**

- ✓ Identification of MRE technologies and component innovations with developers
- ✓ Promotion strategy and actions plan to facilitate SEM-REV access to developers
- ✓ Development of demo-projects including tests on SEM-REV, with Centrale Nantes as subcontractor and/or as partner

### **Required skills**

- ✓ Excellent "awareness of and sensitivity to the marine environment" and passion for marine activities
- ✓ Detailed knowledge of technological aspects related to marine renewable energy
- ✓ Experience in offshore test projects and in marine operations
- ✓ Knowledge of environmental impact assessment and legislative aspects related to marine renewables
- ✓ Demonstrated project management experience

- ✓ Established network of key contacts and experience of client-centred service delivery
- ✓ Good numeracy and attention to detail with an ability to work within tight deadlines
- ✓ Excellent interpersonal skills and an ability to work effectively with dynamic and diverse staff and management
- ✓ Excellent organisation, communication, time management, negotiation, and conflict resolution skills
- ✓ Ability to work across international boundaries
- ✓ Postgraduate qualification relevant to the role
- ✓ Very good communication skills in French and English are required; A second European language would be appreciated

#### **Required expertise**

- ✓ Experience in management or relevant master degree is critical for this position
- ✓ Engineering degree or master of science in the field of marine engineering and/or marine renewable energy
- ✓ Extensive EU network of partners in industry, academia, and in the European Commission
- ✓ Knowledge/experience in Marine Renewable Energy and in Marine Engineering

#### **Working conditions**

The position is based in main office in Le Croisic.

It will involve business trips nationally and internationally; mainly throughout Europe to networking events and project meetings.

Contract: 3 years initially

Expected start date: 1<sup>st</sup> august 2017

To apply for this position please submit an up-to-date 2 pages CV with a cover letter detailing your fit with the role

**Ecole Centrale de Nantes - Direction des Ressources Humaines**

**1 Rue de la Noë**

**44321 NANTES Cedex 3**

<http://www.ec-nantes.fr/>

**Information about the position:**

[christian.berhault@ec-nantes.fr](mailto:christian.berhault@ec-nantes.fr) and [Bertrand.alessandrini@ec-nantes.fr](mailto:Bertrand.alessandrini@ec-nantes.fr)

**Recruitment contact:**

Charlotte BAZIN : [ressources.humaines@ec-nantes.fr](mailto:ressources.humaines@ec-nantes.fr)