

ROLE PROFILE

ROLE NAME:	R&D Project Coordinator Energía Marina SpA – Universidad Austral de Chile.
POSITION TO BE BASED IN:	Valdivia, Chile
STARTING DATE:	October/November 2020
ANSWERS TO:	Executive Director

I. ROLE RESPONSIBILITIES AND TASKS

I.1 MAIN RESPONSIBILITY OF THE ROLE

Within MERIC's program, developed in collaboration between Energía Marina SpA and the Universidad Austral de Valdivia, the professional must perform a technical/administrative coordination role linking the university's authorities with the company's executive direction and keeping a formal and daily information flow from Energía Marina SpA to the correspondent research Line. At the same time, the professional will supervise the development of the research Line "Technologies at Sea" and proposed activities.

I.2 MAIN FUNCTIONS AND TASKS

As an Energía Marina SpA coordinator, the professional will:

- Provide technical information required by CORFO and the Ministry of Energy.
- Provide technical information required by the Project Manager and Energía Marina's Executive Direction.
- Support Energía Marina SpA and MERIC's communication plan.
- Guarantee the information flow between the company and the technical tasks.
- Collaborate with the development of new technological service opportunities, complementary to the R&D Line, through its identification, application and/or execution.
- Support team members for the proper execution of the R&D research line, collaborating with their daily work and attending their requirements.
- Be informed and update expenses made from the company towards R&D project execution, supporting R&D Project Leaders
- Keep track of the company's expenses providing support to the R&D Project Leader.
- Support personnel selection and hiring process for the R&D project

Within the context of MERIC Research Line in collaboration with the Universidad Austral de Chile en Valdivia, "Technologies at sea", the professional will:

- Perform a main role in the development of the project and follow up of the proposed activity plan
- Participate in the development of experiments in the Hydrodynamic Test Channel at the Universidad Austral de Valdivia and report results.
- Contribute to the development of a computational platform under different coding languages.
- Participate in the development of numerical simulations (CFD and Potential Flow) for the characterization of technologies and marine energy components.
- Participate and report open sea experiences related to the installation and operation of technologies.
- Collaborate in the production of a set of technical guidelines and good practices for the MRE industry.

II. SUPERVISED BY

Simultaneous supervision received from the executive direction and the R&D Project Leader.

III. ROL REQUIRED COMPETENCES

III.1 EDUCATION

Msc. Engineering background (preferently Mechanical, Naval, civil) or related.

III.2 TECHNICAL SKILLS

- Programming languages knowledge (preferently python, C++, Matlab)
- Experience with numerical modeling simulation (CFD and potential flow) and experimental modelling in test tanks.
- Professional or academic experience related to the Marine Renewable Energy industry.
- Good technical language skills both in english and spanish.

III.3 PERSONAL SKILLS

- Orientation towards coordination of work teams.
- Commitment to the work team in a collaborative manner for the accomplishment of objectives.
- Good flexibility to change.
- Capacity to anticipate situations and deal with contingencies.
- Proactivity.
- Personal planification and organization ability for the prioritized management of multiple tasks.
- Capacity to to search, collect, organize and consolidate information.
- Follow-up of commitments and due dates under the company's framework of agreements.
- Excellent disposition to fulfil commended tasks.
- Prioritization and discretion in the management of sensitive information.