

## **TESIS01-ENG**

### **PHD on Contra-Rotating Propellers (CRP) in collaboration with VICUS DT**

Location: Vigo (SPAIN)

#### **JOB DESCRIPTION:**

[Private Company Name] is seeking a highly motivated and research-driven student in the field of naval engineering to conduct a doctoral thesis in collaboration with our company. This is a unique opportunity to work on cutting-edge research projects and contribute to the advancement of contra-rotating propeller technology while benefiting from the expertise and resources of a leading industry company.

#### **PROJECT DESCRIPTION:**

The doctoral thesis project will focus on the analysis, design, and optimization of contra-rotating propellers for specific maritime applications related to our industry. The selected student will work closely with our engineers and naval engineering experts, leveraging our subject matter expertise. Additionally, you will have access to state-of-the-art facilities and real-world data to conduct high-level research.

#### **RESPONSIBILITIES:**

- Conduct theoretical and experimental research on contra-rotating propellers.
- Collaborate with our engineering team in developing and analysing innovative solutions.
- Utilize advanced simulation software and analysis tools to assess the performance of contra-rotating propellers in specific applications.
- Document and present research findings internally and at academic conferences.
- Contribute to the development of patentable technologies related to contra-rotating propellers.

#### **REQUIREMENTS:**

- Master's degree in Naval Engineering, Naval Mechanics, or a related field.
- Passion for research and naval engineering.
- Strong analytical skills and experience with simulation software (e.g., ANSYS, CFD).
- Ability to work independently and as part of a team.
- Excellent written and oral communication skills in English.
- Motivation to learn and apply knowledge in the field of contra-rotating propellers.

#### **BENEFITS:**

Fully funded doctoral scholarship with a competitive stipend.

Access to [Private Company Name]'s research facilities and advanced simulation resources.

Opportunity to collaborate with industry experts and participate in exciting projects.

Professional development and presentation opportunities at conferences.

Potential to contribute to the development of industry-leading naval engineering solutions.

If you are a passionate student in naval engineering and wish to pursue a doctoral thesis in collaboration with VICUS, we invite you to apply. Please send your resume and complete the data on the website.

At VICUS, we value diversity and promote equal opportunities. All qualified candidates will be considered regardless of their ethnic background, gender, sexual orientation, religion, or disability. We look forward to receiving your application and working with you on this exciting research project in collaboration with our company!