

## New Open Position – Mechanical Engineer

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B4B\_Product\_Developer\_2018003

### About bound4blue:

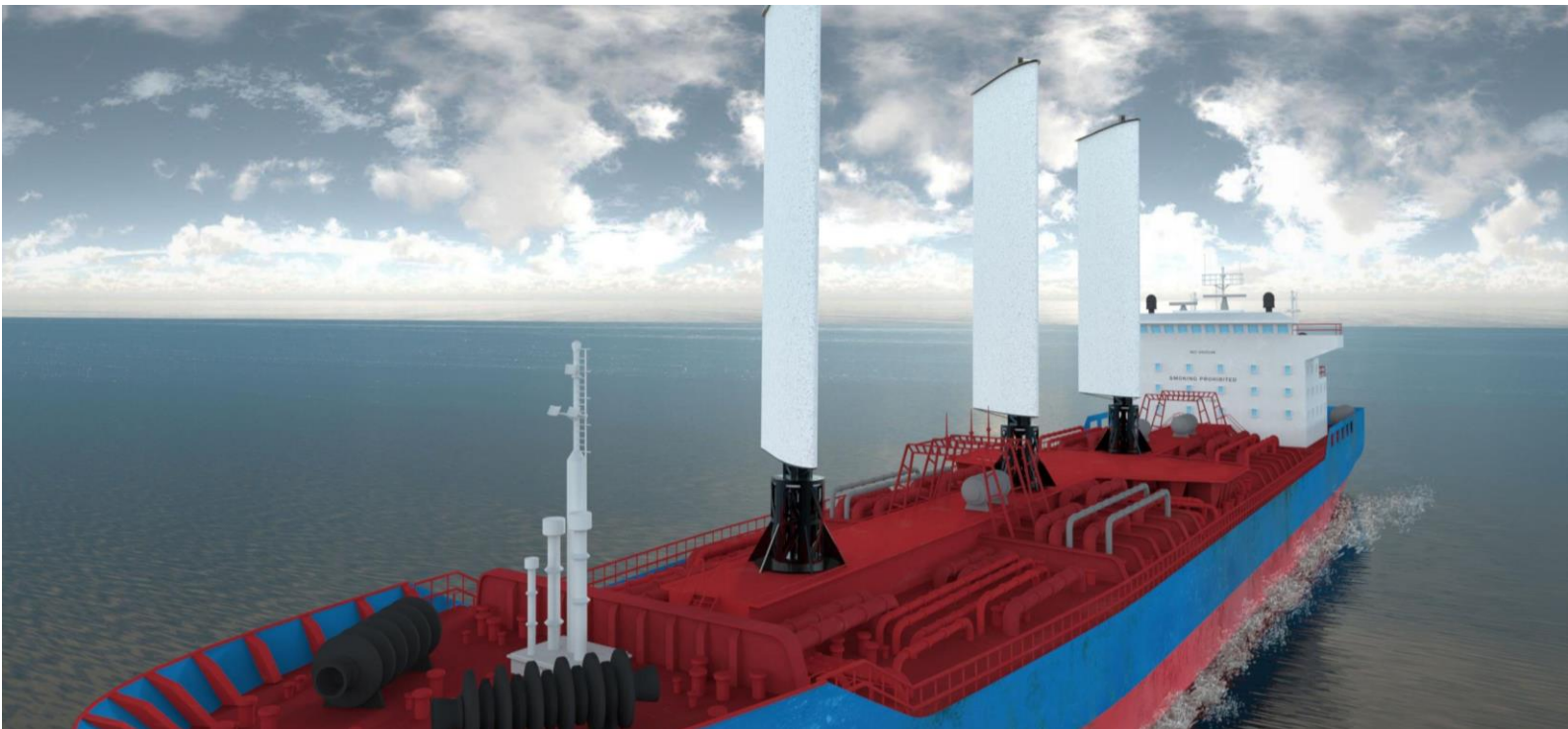
bound4blue is revolutionizing the shipping industry as it is known nowadays, leading the wind power solutions market for the maritime transport.

Our goal is to establish the basis, based on criteria of efficiency, energy savings and cost savings, to include the propulsive systems based on the use of wind as a standard in the global commercial shipbuilding. So we direct our efforts to develop the most innovative and effective solutions, both for fuel savings and emissions reduction of shipping industry, using our wingsail technology.

Having gone from the design and prototyping phase, to close agreements to test the technology into three real vessels (60 m cargo ship, 120 m length cargo vessel and 40 m fishing boat) in less than a year and a half, bound4blue first sea trials will take place during 2019.

**Join us and help bound4blue change our future!**

Go to our Vimeo site to know more about bound4blue: <https://vimeo.com/173921433>



## What we are looking for:

<b>Department</b>	Engineering Department
<b>Position</b>	Mechanical Engineer
<b>Description</b>	The successful candidate will be joining bound4blue's core team in Rubí-Barcelona (Spain) and will be in charge of the product design (structural stress analysis and mechanisms design) and mechanical engineering tasks for wingsail design, manufacture and adaptation for several real integrations in real vessels (upcoming projects: integration of a 30 m wingsail unit in a 120 m dry-bulk vessel and a 20 m unit in a 60 m cargo vessel). The candidate will contribute to the implementation and sea trials of bound4blue's wingsail system as member of the engineering team.
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>- Mechanical design (CAD) of components and full products up to detailed manufacturing design.</li> <li>- Perform mechanical loads analysis with (analytical and FEM software)</li> <li>- Create detailed drawings and parts lists</li> <li>- Provide technical information to any department so entitled, i.e. electrical design, project, aerodynamics, etc.</li> <li>- Proposal and implementation of improvement actions related to production, materials, safety, etc.</li> <li>- New projects development</li> <li>- Qualify means and processes, in plant but also in supplied location</li> </ul>
<b>Required competences</b>	<ul style="list-style-type: none"> <li>- BSc or MSc in Mechanical Engineering or other related discipline</li> <li>- Experience in static and dynamic structural analysis</li> <li>- Experience in marine and shipbuilding industry</li> <li>- Experience in mechanical design in engineering companies</li> <li>- Experience in materials and manufacturing processes</li> <li>- Excellent knowledge of CAD software (mainly Solidworks)</li> <li>- Knowledge of CAE software (Ansys, Abaqus, OpenFoam, etc.)</li> <li>- Hands-on project involvement, exceptional engineering capability, and drive to solve challenging problems</li> <li>- Excellent writing and communication skills in English (working knowledge of other languages is an asset)</li> <li>- Able and willing to work in a fast-paced entrepreneurial company</li> </ul>
<b>Nice-to-haves</b>	<ul style="list-style-type: none"> <li>- Programming skills</li> <li>- Spanish and English (Advanced level)</li> <li>- Strong analysis and practical problem-solving abilities</li> <li>- Oral, written and diagrammatic communication skills, with the ability to translate complex ideas into clear concepts</li> <li>- Creativity, innovation and attention to detail</li> </ul>
<b>Experience</b>	3+ years' experience in an engineering role that included support for multi-disciplinary design, development, and delivery of products
<b>Starting date</b>	November 2018
<b>Vacancies</b>	1
<b>Work place</b>	Headquarters in Rubí (Barcelona, Spain). Occasional travels to Santander (Spain), Vigo (Spain) and Perú.
<b>Contract</b>	Indefinite (1-year trial)
<b>Salary</b>	Salary based on candidate's experience and skills