

<b>Job position</b>	Rigging and Component Design Engineer
<b>Reporting to</b>	Valencia Design Team Manager
<b>Location</b>	Valencia, Spain
<b>Role Description</b>	The Rigging and Component Design Engineer will lead the design of advanced Carbon, Kevlar, and PBO fibre rigging, associated metal components, and supporting hardware and tooling. The engineer will have an additional focus on machine design, engineering complex load-bearing assemblies from concept to prototype and production. They will be responsible for computational analysis, rapid prototyping, development, and implementation of mechanical load testing of materials, components, and assemblies as part of the design process. They will research, test, and utilize advanced manufacturing methods. The Rigging and Component Design Engineer will interact with co-workers at Future Fibres in Europe, Sri Lanka, and the USA, as well as counterparts at North Sails and Southern Spars.
<b>Qualification</b>	<ul style="list-style-type: none"> <li>• Minimum of Bachelor's Degree in Mechanical Engineering or Similar</li> <li>• 3-5 years experience in mechanical or machine design field</li> </ul>
<b>Key Responsibilities</b>	<ul style="list-style-type: none"> <li>• Product Design Engineering: <ul style="list-style-type: none"> <li>○ Produce design packages for clients</li> <li>○ Create manufacturing drawings for rigging and machined parts</li> <li>○ Support other engineers</li> </ul> </li> <li>• Design &amp; Development: <ul style="list-style-type: none"> <li>○ Innovative &amp; proprietary product development</li> <li>○ Continual critique and improvement of existing products</li> <li>○ Prototyping and Advanced Manufacturing Methods</li> <li>○ Design mechanical assemblies for rigging systems, production, and testing</li> <li>○ Finite Element Analysis of components and assemblies</li> </ul> </li> <li>• Project &amp; People Management: <ul style="list-style-type: none"> <li>○ Deliver completed projects on-time, on budget</li> <li>○ Control labor and material project costs</li> <li>○ Support production teams in Spain and Sri Lanka</li> </ul> </li> </ul>
<b>Competencies</b>	<ul style="list-style-type: none"> <li>• A rigorous engineering mind always looking for the most efficient solutions to problems.</li> <li>• A proactive self-starter and the ability to work under limited supervision to tight deadlines across multiple simultaneous projects.</li> <li>• High attention to detail, including organizational skills.</li> <li>• Strong project management skills.</li> <li>• Sharp, action orientated, and able to sell ideas convincingly.</li> <li>• Highly proficient with Solidworks and Autocad.</li> <li>• FEA of Mechanical Parts and Assemblies.</li> <li>• Team player.</li> <li>• Fluent or professionally proficient in English.</li> <li>• Ability and willingness to travel.</li> </ul> <p>Ideal candidates would also have:</p> <ul style="list-style-type: none"> <li>• Familiarity with composite design and construction</li> <li>• Experience with rapid prototyping and advanced manufacturing methods for components</li> </ul>
<b>How to Apply</b>	Please apply by sending CV and Cover Letter, both in English, to <a href="mailto:jobs@futurefibres.com">jobs@futurefibres.com</a>