

Automotive Customer Project Engineer for fast-moving Swiss high-tech company

Position: R&D Engineer
Employment: 80-100%
Company: Bcomp Ltd., Fribourg, Switzerland
Starting date: October 2023, to be discussed

POSITION OVERVIEW

Bcomp Ltd. is a young and dynamic Swiss company specialised in the development, marketing and sales of natural fibre composite solutions for high-performance applications. With a background in the sports industry, and after establishing ourselves in motorsports, we are now entering the large-scale mobility markets. We develop sustainable lightweighting solutions based on natural fibres in close collaboration with our customers, in a fast-paced and entrepreneurial working environment.

To strengthen its technical customer support team and further boost its market entry into large-scale mobility, Bcomp is looking for an Automotive Customer Project Engineer in composite materials.

Bcomp's technologies for the automotive market – mainly the powerRibs™ and ampliTex™ technologies – are in industrialisation phase and ready to be used by our customers to manufacture car bodywork exterior panels, as well as interior parts based on thermoplastic and thermoset matrices. The focus of the project engineer lies in driving development projects with the customers, to reach serial production of parts for the automotive sector. The project engineer will help the customers to choose the right material combination for their specific components, reverse engineer existing standard components, and assist the customers in prototyping and process development to manufacture the parts, before supporting the customers for qualification tests and industrialisation.

The Automotive Customer Project Engineer will also be the technical lead engineer in customer specific product development projects and coordinate the required technical activities with the R&D team within the project. He/she will also closely interact with the research and development team in order to continue technology development/optimisation in line with market needs, and with Sales, Operations and Marketing to provide them with technical support.

MAIN TASKS AND RESPONSIBILITIES

Customer project management

Conduct customer projects for natural fibre-reinforced thermosets/thermoplastics in automotive:

- Identify and understand customer needs and requirements and translate them into product specifications
- Coordinate technical activities with the R&D team within customer development projects
- Coordinate timelines along with the Operations and Sales teams
- Provide customers with reverse engineering on existing parts: do preliminary calculations and propose solutions with Bcomp's technology, along with a comparative description of potential weight & performance improvements / penalty, and sustainability assessments
- Conduct material tests on specific material combinations for the customer: material scouting, process tests, mechanical tests, environmental tests, coordinating & designing test campaigns
- Support customers for tool design and processing methods and parameters
- On-site support to customer for trials and troubleshooting during industrialisation

Product development

- Work closely with R&D and Operations team to develop or improve customer's solution
- Transfer customer feedback and market needs to product development team to optimise technology development and speed up qualification of product

Sales, Operations & Marketing support

- Support Sales, Operations & Marketing teams with technical advice on customer project acquisition, supply chain definition and communication
- Feedback and information to Sales, Operations & Marketing on project and technology status

QUALIFICATIONS & EXPERIENCE

Required

- M.Sc. in Mechanical Engineering or Materials Science
- 2 years' experience in composite processing
- 2 years' experience in project management: structured workflow with an ability to handle several projects in parallel
- Strong understanding of structural mechanics
- Fluent in spoken and written English
- Readiness to travel extensively
- Able to work autonomously, pro-actively, and share important information with the team

- Positive and driven mindset

Preferred

- Experience in automotive industry in interior parts design and manufacturing
- Experience with natural fibre composites
- Experience with technical support / consulting
- Experience with FEM simulation
- Knowledge of German, French, Mandarin

ABOUT US

We are a small, dynamic, international team working in a fast-paced and entrepreneurial yet equal and respectful environment. Each of us takes responsibility for their work and contributes to a welcoming and inclusive atmosphere based on mutual trust.

More information on bcomp.ch

Do you want to take part in the adventure of a young, fast-moving company, which is in full development to bring sustainable material solutions to the automotive sector? Come on board and contribute to the development of our processes and products with your technical and practical knowledge. Take part in the amazing working atmosphere of our company. We happily invite you to send us your full application through: workwithus@bcomp.ch