

Job vacancy

Manufacturing Engineer

Vacancy for a bright mind with a passion for innovative engineering challenges (manufacturing, engineering, industrial design, construction/manufacturing/maritime industry, automatization, Industry 4.0).

The Global Challenge

Three billion people will move to cities in the next 30 years. We believe that if we want to meet the climate crisis and urban challenges of the future, new and disruptive solutions are needed for urban development. Therefore, a totally different approach is needed of building on water instead of fighting against the water. To provide this proven technology at sufficient scale, insights from mass manufacturing, standardization and modularity should be applied to the still rather conservative construction industry to provide a circular, affordable and climate-proof built environment in an efficient way.

About the Company

We are BLUE21, creating climate resilient floating projects with a positive social and ecological impact. We are a global knowledge leader in technology, design, and realization of floating projects in delta cities world-wide. Within our international and diverse team, a unique collaboration has been established that we call maritime urban development. Our interdisciplinary team includes architects, urban designers, real estate experts, water managers, civil engineers and maritime engineers. Our experts have a top academic level (MSc/PhD) and have graduated from world-leading universities.

What We Need

We are looking for a pragmatic visionary team player who wants to revolutionize the construction industry with us. Are you able to work your way around complex logistical challenges and production processes applied at a very large (building to city) scale?

Blue21 BV

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Your Skills and Experience

- Master's/ Engineering degree from a top university in relevant field (e.g. Industrial Design Engineering, Mechanical Engineering, Mechatronics, Maritime Engineer or Building Technology) and minimal 5 years of relevant experience is required.
- Experience in translating innovative concepts to prototypes/pilot projects moving through the TRL's, up towards upscaling to automated manufacturing and production (assembly line; Industry 4.0)
- Experience in designing and implementing production facilities.
- T-shaped professional: effective combination of specialist skills and expertise in your own field, and the ability to collaborate across disciplines with experts in other areas, and to apply knowledge in areas of expertise other than your own.
- Both knowledge and practical experience within the construction industry or related field
- Social skills and team player
- Ability to think outside the boundaries of processes within the construction industry and how to translate new insights and innovations into practical and scalable production processes.
- The ability to figure out optimal manufacturing processes, break out the individual process steps, design and layout the production line, choose the machinery, design and layout the individual workstations and develop an operational plan to ramp up production.
- To identify the most cost-effective methods, material handling and facility layout alternatives.
- Ability to translate visionary concepts into pragmatic and realistic technical solutions
- Understanding, analysing and improving complex industrial, manufacturing and infrastructure systems.

What We Offer

Contributing to creating a future perspective for hundreds of millions of people in vulnerable delta areas that are threatened by climate change and sea level rise. Working in a highly skilled, world leading and disruptive company, where collaboration is more important than competition. A competitive salary based on your experience, solid pension plan and exceptional growth opportunities. Joining the frontrunners in completely changing the way cities of the future will be built.

Apply now, and send your motivation letter and CV to director and cofounder of Blue21, Karina Czapiewska: karina@blue21.nl

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