Delft, 12th April 2021

Job vacancy

Engineer for automating construction of floating structures

Blue21 looking for a bright mind with a passion for innovative engineering challenges (manufacturing, engineer, industrial design, construction/manufacturing industry, automatization)

The Global Challenge

Three billion people will move to cities in the next 30 years. We believe that if we want to meet the challenges of the future, new and disruptive solutions are needed for urban development. Lack of suitable locations, the nitrogen crisis, slow construction speed and legal procedures often frustrate urban development processes. Therefore, a totally different approach is needed. Insights from mass manufacturing, standardization and modularity should be applied to the still rather conservative construction industry to provide a circular, affordable and high-quality built environment in an efficient way.

About the Company

We are BLUE21, creating floating projects with a positive social and ecological impact. We are a global knowledge leader in research, design, and realization of floating projects in delta cities world-wide. Within our international and diverse team, a unique collaboration has been established between 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 an engineer that 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?

Your Skills and Experience

- Master's/ Engineering degree from a top university in relevant field (e.g. Industrial Design Engineering, Mechanical Engineering, 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 manufacturing and production.
- 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, analyzing and improving complex industrial, manufacturing and infrastructure systems.
- Experience with different types of materials

What We Offer

Working in a highly skilled, world leading and enthusiastic company, where collaboration is more important than competition. A competitive salary 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 karina@blue21.nl

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