

RADIATE

3D CAD Modeler (CAD Konstrukteur/In)

Do you thrive in a fast-paced, highly motivated and agile environment? Do you have a passion for delivering the highest quality models and solutions to help solve challenges, improve product performance, bringing the next generation of products, Bikes and UAVs to life? Do you like mechanical systems and do you have a good understanding of materials and manufacturing processes, together with a feasibility-oriented mindset? If that sounds like you, go on reading!

For our Zurich office, we are seeking a highly skilled 3D CAD Modeler (CAD Konstrukteur/In) to join our product development team (60-100%) as soon as possible.

Radiate Engineering & Design is specialized in developing innovative mobility solutions and products ranging from Bikes to UAVs and more. The ideal candidate will have a strong background in 3D CAD modelling and implementation of mechanical systems, functions, forms and structures in the digital domain. Ideally with a passion and strong interest for bikes.

As a 3D CAD Modeler, you will join the development team working within the Radiates' Bike and UAV Division.

You will be responsible for designing and modelling bicycle structures, bike components as well as UAV structures as well as toolings and moulds using CAD systems (and especially both parametric modelling and freeform techniques). You will work closely with our engineering and design teams to create accurate and robust models that meet all relevant requirements and standards. You will also be responsible for maintaining and updating existing models as needed, and for ensuring that all models are properly documented and organised. You will submit designs to accurate design for manufacturing requirements, create production drawings, and communicate with suppliers and customers.

To be successful in this role, you should have excellent 3D modelling skills, being willed and motivated to work in a cross-functional team together with Design Engineers, Structural Engineers and Industrial Designers.

At Radiate Engineering & Design, we combine a holistic development team with a creational DNA and strongly believe that only a cross-functional team will push the boundaries of what is feasible! And pushing boundaries is what we do.

Key responsibilities:

- Thrive in a fast-paced, highly motivated and agile environment
- Being passionate for delivering high-quality solutions to solve challenges and improve product performance
- Design and model bicycle structures, bike components, UAV structures, toolings, and molds using CAD systems and techniques
- Manage the entire workstream from concept creation to manufacturing-ready 3D models

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- Maintain and update existing models as needed, and ensure that all models are properly documented and organized
- Work in close collaboration with structural engineers, designers, product managers, and suppliers
- Work closely with partners and customers to ensure that products meet relevant requirements and needs
- Create, test and validate designs in the in-house prototyping lab

Requirements:

- Technical CAD Designer / Konstrukteur/In EFZ or highly skilled
- 3+ years of industrial and design experience (ideally in the bike industry)
- Strong 3D Design and modelling skills, extensive work experience with Siemens NX or similar
 - Parametric modelling
 - Freeform modelling
 - Mould & tool design
- Experience with design for manufacturing principles
- Experienced and professional interaction with customers and suppliers
- Basic understanding and knowledge of materials and processes
- Basic understanding and knowledge of structural mechanics (its a plus)
- Understanding and knowledge of state-of-the-art bicycles and components (its a plus)
- Forward-thinking personality with interest in pursuing state-of-the-art developments in design- methodology and applying those advancements to solve customer problems
- Excellent communication and collaboration skills
- A creational mindset with the ability to think out of the box and output driven
- The willingness to learn, professional development and progress

Benefits: At Radiate you will...

- be part of a dynamic young team that is highly motivated to make a difference
- have the opportunity to actively participate in a flat organized organization to create the best possible working environment
- have a strong contribution to top-notch developments in the field of unmanned civil drones and high-end bike products
- work project-based, on continuously changing challenges, never getting boring
- enjoy 25 vacation days per year
- work in a collaborative hybrid office with a prototyping lab workspace in the heart of Zurich
- have remote work possibilities
- have a good work-life balance – because humans come first

You are interested?

We are looking forward to receiving your compelling application stating your salary expectations and earliest starting date. Please submit your application via [getajob\[at\]radiate.ch](mailto:getajob@radiate.ch).