

File-to-Factory Design Engineer Special Formwork



About Us

dataform.work develops Formwork as a Service for complex concrete structures. We transform project data into precise geometry, generate CNC-ready milling data, and provide efficient special formwork solutions for architectural and infrastructure projects.

The Role

We are looking for a File-to-Factory Design Engineer to develop precise digital models for the CNC production of special formwork components. You will work on complex geometry for custom formwork used in building and infrastructure projects. The role focuses on translating construction requirements into accurate, production-ready data for milling, assembly, and delivery.

Your Tasks

- Create and optimize 3D models in Rhino 8
- Prepare geometry for CNC production
- Support prototyping and production workflows
- Maintain accurate and organized digital files
- Collaborate with project, production, and structural engineering teams
- Consider structural requirements such as loads, support conditions, load paths, and tolerances in the design of formwork components
- Prepare and coordinate geometric data for structural verification and documentation
- Support workflow automation using Grasshopper or scripting tools (optional)

Your Profile

- Experience with Rhino, ideally Rhino 8
- Interest in geometry, logic, and technical modelling
- Structured and detail-oriented working style
- Interest in digital fabrication or construction technology
- Background in architecture, civil or structural engineering, construction, or industrial design is a plus
- Basic understanding of structural mechanics, load paths, and support conditions; experience with structural analysis is advantageous
- Grasshopper or scripting experience is advantageous but not required
- Motivated graduates and early-career professionals are welcome

What We Offer

- Work on unique international construction projects
- Hands-on experience with CNC and digital fabrication
- Flexible and innovative work environment
- Opportunities for growth within a developing company
- Technically focused and collaborative team

Compensation

The minimum gross monthly salary for this position is **EUR 2,535** based on full-time employment (38.5h), under the Austrian Collective Agreement for Commercial Employees. The actual salary depends on qualifications and experience.

If that sounds like you – join us in shaping the future of complex formwork delivery across Europe.

Contact: make@dataform.work