



Civil Engineering Drafter (SCE-SAM-TG-2024-186-LD)

Geneva, Switzerland

Company Description

At CERN, the European Organization for Nuclear Research, physicists and engineers are probing the fundamental structure of the universe. Using the world's largest and most complex scientific instruments, they study the basic constituents of matter - fundamental particles that are made to collide together at close to the speed of light. The process gives physicists clues about how particles interact, and provides insights into the fundamental laws of nature. Find out more on <http://home.cern>.

Job Description

Introduction

Are you an experienced civil engineering drafter with a talent for 3D design, ready to make an impact in an innovative engineering office? Join us at CERN—the world's leading particle physics lab, spanning Switzerland and France—where you'll contribute to high-profile projects involving cutting-edge infrastructure and facility design.

As part of our Technical Office and Geomatics Section (TG) within the Site Asset Management (SAM) Group of the [Site and Civil Engineering \(SCE\) Department](#), you'll support our civil engineering projects with your design, drafting, and calculation expertise.

Functions

As a 3D Civil Engineering Designer-Drafter, your responsibilities will include:

- **Modelling:** Create and manage 3D designs on CATIA and Revit for new and modified surface and underground structures.
- **Conception & Coordination:** Develop drawings for structural design, finishes, roads, and landscaping.
- **Spatial data management:** Generate and integrate 3D scans and point clouds.
- **Geometry adjustments:** Maintain and update existing civil engineering models, focusing on concrete and metallic structures.
- **Project Design:** Actively engage in early design and feasibility studies, including upcoming future projects.
- **Project Coordination:** Facilitate project phases, from feasibility to execution, through coordination meetings and liaising with internal stakeholders and external consultants.
- **BIM Development:** Support the evolution of standards, procedures, and BIM methodology.
- **Technical Monitoring:** Stay updated on structural and finishing requirements, as well as new materials and technologies.

Qualifications

Technical certificate or general secondary education or equivalent relevant experience in the field of civil engineering or a related field.

Professional qualification as drafter is an asset.

Experience:

- Extensive experience in the development and design of tertiary and industrial buildings.
- Proven experience with CATIA, Revit, AutoCAD, preferably with knowledge of several 3D software.
- Experience working with 3D scans.
- Experience in other building specialties (electricity, air treatment, plumbing, sanitation, etc.).

Technical competencies:

- Knowledge of building construction, consolidation and renovation
- Design of metallic/concrete structures
- Landscaping
- Design of industrial and civil buildings
- Design of road, excavation, drainage works, and underground structure construction

Behavioural competencies:

- Communicating effectively: demonstrating a pro-active approach to resolving differences; addressing issues of conflict constructively; listening actively to others and letting others speak
- Achieving results: having a structured and organised approach towards work; being able to set priorities and plan tasks with results in mind
- Working in teams: understanding when teamwork is required to achieve the best results; including others accordingly and sharing information
- Demonstrating flexibility: adapting quickly and resourcefully to shifting priorities and requirements; demonstrating a willingness to accept changing circumstances; supporting initiatives for change
- Managing self: working well autonomously; taking on activities and tasks without prompting

Language skills:

Spoken and written English or French with a willingness to learn to speak the other language in routine situations.

Additional information**Eligibility and closing date:**

[Diversity](#) has been an integral part of CERN's mission since its foundation and is an established value of the Organization. Employing a diverse workforce is central to our success.

This vacancy will be filled as soon as possible, and applications should normally reach us no later than **January, 13th 2025 at 23:59 CET**.

Employment Conditions

Contract type: Limited duration contract (3 years). Subject to certain conditions, holders of limited-duration contracts may apply for an indefinite position.

Working Hours: 40 hours per week

This position involves:

- Work in Radiation Areas.
- A valid driving licence.

Job grade: 3-4

Job reference: SCE-SAM-TG-2024-186-LD

Benchmark Job Title: Civil Engineering Technician