

Role overview

SHER is seeking for a qualified Civil Engineer (Construction / Hydraulics) with at least 5 years of experience to join our multidisciplinary Hydropower Team.

The candidate Civil Engineer will contribute to the preparation and delivery of various studies of small hydroelectric projects. More specifically, he will be involved in the design of the civil works structures and perform hydraulic calculations.

The position is office-based (Belgium) with occasional travels overseas, reporting directly to the Hydropower Project Manager.

SHER Ingénieurs-Conseils (Groupe ARTELIA)

SHER is a Belgian consulting engineering company founded in 1985 and specialized in the field of water, environment and infrastructure. SHER joined the ARTELIA Group in 2015. SHER delivers its range of services through its sub-offices and agencies located across Europe and Africa.

SHER is active in the following field of activities:

- Integrated Water Resources Management
- Hydropower
- Irrigation and Hydro-agricultural Development
- Water Supply and Sanitation
- Rural Development, Social Development and Food
- Environmental Protection and Pollution Control.

In the context of its activities in the field of hydropower, SHER supports the public and private sectors in the successful planning and development of small hydropower projects. For more than 30 years, SHER delivers innovative solutions by combining strong technical skills and experience with a deep understanding of our Clients' needs.

Since 1995, SHER guides its clients through all phases of hydropower planning and development:

- Hydropower Resource Mapping and Master Planning
- Site identification and reconnaissance studies
- (Pre-)feasibility studies
- Detailed studies, tender design and technical specifications
- Environmental and Social Impact Assessment (ESIA)
- Resettlement Action Plan (RAP)
- Works supervision
- Owner's engineer services
- Due diligence

SHER provides the full spectrum of services for low, medium and high head small hydropower schemes:

- Topographic survey
- Mapping and Geographical Information System
- Geological and geotechnical surveys
- Hydrological study and survey (resource assessment, flood study, hydrological monitoring, sediment transport)
- Hydraulic studies and design
- Structural design
- Economic and financial analysis
- Hydro-mechanical and electromechanical equipment study
- Training and capacity building



Roles and Responsibilities

Specific responsibilities of this position include, but are not limited to, the following:

- Work collaboratively with technical teams, perform technical work, make technical presentations, plan technical portions of project tasks, develop technical portions of proposals, and provide technical review of engineering work products ;
- Design of hydropower scheme structures (intake, dam, weir, waterways, penstocks, powerhouse, etc) ;
- Hydraulic calculations and modelling ;
- Prepare preliminary design, detailed design, technical specifications and tender documents ;
- Design and supervision of site investigations ;
- Preparation of sketches and review of drawings of engineering designs and concepts ;
- Assist reviewing site investigations (geotechnical / geophysical) and their specifications ;
- Undertaking site visits and site investigations.

Your profile

- Master degree in Engineering (Construction/Structural Engineering or Hydraulics Engineering).
- At least 5 years of relevant experience within or in a field related to hydropower facilities or other water infrastructure.
- Good command of Microsoft Office software (Excel, Word, Power Point, Outlook).
- Proven experience using AutoCAD and/or Civil3D for design and publishing of drawings.
- Programming skills are an asset (VBA, Python).
- Ability to work in a multidisciplinary team.
- Keen to travel overseas occasionally, depending of the project needs.
- Good communication skills (written and spoken).
- Fluent in French and English. Knowledge of other languages is an asset.

We offer

- A dynamic work environment
- A diverse job with an international exposure in a rapidly growing sector
- A challenging role with responsibilities
- Technical trainings

Interested to join our Team?

Please send detailed CV and motivations to:

SHER Ingénieurs-Conseils

goor@sher.be

Rue Jean Matagne, 15

5020 Vedrin

Belgium

