

Antea®Group is an international engineering and environmental consulting firm specializing in full-service solutions in the fields of environment, infrastructure, urban planning and water. The work of our Belgian Business Unit Water is focused on coastal zone management, water management systems, flood forecasting, water policy, surface and groundwater and modeling, urban water, sediment management.

We are offering a **permanent contract** in Belgium for an experienced candidate who wants to apply his engineering and science skills to the engineering & consulting industry. This position provides the opportunity to explore interests, develop professional skills and solve complex problems. Working alongside other experts on **numerical modelling projects**, you will have the opportunity to contribute ideas and build technical knowledge in both office and field work settings.

**Your role:**

You will be part of a multi-disciplinary team; working under expert supervision you will assist the team in at least one of the following segments:

- Setting up rainfall-runoff models (lumped and distributed, conceptual).
- Setting up hydrodynamic models (1D, 2D, 3D); you will become familiar with numerical models like ICM, Mike11, InfoWorks, Delft3D, Telemac depending on the project
- Validate numerical setups following strict methodologies; report the procedures.
- Process, validate and public field data; carry out time series analysis.
- Assist execute and analyze model scenarios for risk assessment, sediment management, etc.
- Carry out studies to assess effects of climate change in inland or coastal areas
- Develop, execute and analyze model scenarios to estimate sediment transport and morphological processes.
- Report technical activities and findings in reports and publications

**Your profile:**

- University degree; holder of a master's or PhD degree in an engineering discipline or applied sciences.
- Your mother tongue is English or Dutch (or you are very fluent in one or more of these languages)
- General knowledge of numerical modeling, hydrology and hydraulics is a must.
- Specific experience (minimum 3 years) in hydrological models (Wetspa, NAM, PDM, ...) , hydraulic models (ICM, Mike11, InfoWorks, Delft3D, Telemac, ...) is demanded.
- You are proficient with Excel, R, Matlab and Python
- Knowledge and talent for programming is desirable.
- You have the ambition to quickly boost your expertise in numerical modeling, data processing and interpretation of measurements and model results
- You are technologically literate, an organizer and strive for quality and accuracy.
- You have interest and capability in developing new methods and tools to analyze data sets.
- You are eager to demonstrate your skills in a competitive environment and convince the client of the added value of Antea Group;

In addition to the required technical skills we are looking for a team player. Our new employee will think and plan along with our integrated water assignments.

We offer an exciting technical function with extensive development opportunities and responsibilities within a theme-oriented and participatory company. An eager and dynamic team awaits your input in the development of river modelling projects in both domestic and foreign markets. We offer a supportive working environment that promotes an atmosphere of cooperation and camaraderie. We create a foundation for success by encouraging employee initiative and active participation in the growth of the firm.

Position is available in our Antwerp or Gent offices.

Interested?

Send your letter of interest and CV to:

Doris D'hondt

Management Assistant Business Unit WATER

Buchtenstraat 9, B-9051 Ghent, Belgium

Tel. +32 (0)9 261 63 00

e-mail: [doris.dhondt@anteagroup.com](mailto:doris.dhondt@anteagroup.com)

<http://www.anteagroup.be/en/services>