

Process Modeler Wastewater Treatment (junior/senior)

DHI a.s. is seeking a talented Process Engineer, either junior or senior level, who is passionate about process modelling of wastewater treatment plants.

Our work at DHI supports clients in operating wastewater treatment plants in both economically and environmentally sustainable ways. We help them adopt innovative, more effective technologies to reduce or offset their environmental footprint. Our solutions are typically tailored to the specific needs of each client, which fosters a high degree of innovation at the beginning of every project. These expert services are primarily driven by the revision of the European Urban Wastewater Treatment Directive (EU 2024/3019) and the needs of implementing cutting-edge technologies and operating strategies, based on digital technologies.

Responsibilities and challenges

You will join a collaborative team based in our Prague office, working alongside dedicated and highly skilled colleagues, including fellow process engineers, hydraulic modellers, and a diverse group of specialists and technicians.

The main responsibilities and challenges in the job are:

- Handle process data collection and pre-processing in cooperation with other colleagues
- Perform analysis of wastewater treatment processes (both municipal and industrial plants)
- Solve the tasks of designing and building process models, calibration and validating the process models based on historical datasets
- Consult the clients with wastewater treatment plant operating strategies
- Assist the developers with digital tools and solutions parametrisation (digital twins)
- Project Delivery
- Preparation of reports and presentations
- Bi-lateral coordinator with local and global colleagues
- Technical report writing

Qualifications and personal skills

We are looking for a new colleague who will join us on our quest in solving the world's water problems and have the following qualifications:

Required:

- Chemistry and technology university degree or similar engineering & environmental education (M.Sc. or Ph.D.)
- Good knowledge of wastewater treatment plant processes (biological, physical-chemical, hydraulics)
- Good theoretical knowledge of ASM modeling protocols (IWA)
- Practical modeling skills or willingness to learn modeling
- Contributes to good cooperation in the team and knowledge-sharing
- Flexible with regards to traveling (typically 1 day duration)
- Able to work in both Czech and English on a professional level (English is company's communication language; Czech is required for work with local clients)

Desirable:

- Familiar with WEST software or similar modeling software
- Driving license (B)
- 2+ years of working experience (however, applications from recent graduates are welcome as well)

We offer

To work at DHI means being part of an organisation that is the global leader in solving the world's toughest challenges in water environment. We will offer you:

- Above-standard salary compensation based on proven skills and abilities
- A unique chance to work with highly professional and motivated colleagues from all around the world
- A team of highly motivated colleagues, experts in the digital water sector
- Professional and personal development
- Flexible working opportunities (both advisory and digital development)

- Home-office availability
- 5 weeks of paid leave
- Benefit package (can be used for recreation, health, sport, languages or pension Insurance)
- Full-time or part-time employment (minimal 0,5 FTE)

Office location

- You will be located in our office in Prague, Czech Republic.

About DHI

DHI is a global and independent company dedicated to working on challenges within the fields of water and environment and sustainability. Within these fields, we provide a wide range of advisory, digital advisory, research and water governance services as well as providing leading edge computational technologies and digital products to the market. At DHI, we are constantly looking for passionate and talented people who are eager to join our team.

By joining DHI, you will not only become part of a dynamic and collaborative global team of experts; you will be empowered to innovate, engage and grow in your area of expertise. DHI is committed to disseminate our knowledge effectively and across our worldwide network of offices.

How to apply

- Please submit your application including CV via the relevant job posting on DHI's website:
<http://www.dhigroup.com/careers>
- Deadline for application is 30-09-2025. However, applications will be evaluated on a rolling basis.
- For further information please contact Petr Dolejš, Telephone (+420 724 806 226),

Email: petd@dhigroup.com.

To apply for this position, you must have the right to work in the Czech Republic without restrictions. We are unable to sponsor applicants for this position.