

Decision Support Systems Engineer

DHI is a global and independent company dedicated to working within the fields of water and environment. Within these fields, we provide a wide range of consulting, research and policy services as well as leading edge technologies and products. At DHI, we are constantly looking for passionate and talented people who are eager to join us.

By joining DHI, you will not only become part of a dynamic and collaborative global team of experts; you will be empowered to innovate and grow in your area of expertise. This forms the basis for DHI's aim to disseminate our knowledge effectively across our worldwide network of offices to ensure that our employees have the ability to effectively support our clients irrespective of their location.

About DHI: DHI profile video

The Role

We are looking for a Systems Engineer to assist us in the development of our Operational Decision Support Systems (DSS); configuration of the generic systems and the development of new customisations. We prefer candidates with a strong mathematical/engineering background, with the aptitude and desire to develop software for system integration, user interfaces and other components. Thoroughness over speed is valued. You will be responsible for the development of decision support solutions as well as providing technical and project management support on numerous projects in Australia and worldwide.

We are currently seeking a self-motivated Systems Engineer to play a leading role in the development and support of our real-time decision support systems for a range of clients throughout Australia and in the APAC region. You will have 3 - 5 years' experience in systems engineering, preferably in real-time systems and with some software development experience. Experience in the water industry or domain knowledge in water engineering would be considered an advantage. Applicants with a solid background in hydrology or hydraulic engineering and modelling, and with a strong interest in and proven experience with IT and software development, are also encouraged to apply. The position has significant client interaction and will require close interaction with, and occasional travel to, our clients throughout Australia and our development centres in Asia and Europe. The position will provide you with the opportunity and support to advance your career with a world-leading specialist water engineering and software development house.

Skills and qualifications

- Bachelors or master's degree in Systems, Civil, Environmental engineering, Software Development or similar.
- 3 - 5 years of experience in a related position.
- Proven track record with IT and software development.
- Backend Software Development (C#, .NET, Python).
- Capable or experience in client liaison and interaction.
- Strong verbal and written communication skills.
- Experience in the water sector, hydrology or hydraulics.

Desirable Criteria

- Experience using DHI's MIKE Software (MIKE OPERATIONS).
- Data science programming experience (R scripting, Python)
- Previous experience in Optimisation algorithms.
- Knowledge of ArcGIS and QGIS

- Knowledge of hydrological and hydraulic simulation models.
- Experience in configuring and maintaining real-time control systems.
- Knowledge of networks and data communication systems.
- Knowledge of software quality assurance procedures.
- Technical documentation writing experience.
- Web development experience (JavaScript, HTML, CSS, React)
- Development experience using AI

DHI Offers:

- A job in an international recognised company with a premium brand
- A great opportunity to utilise, shape and expand your skills and expertise within technical software.
- A unique chance to work with highly professional and motivated colleagues from all around the world
- Access to DHI Campus – courses to assist in professional development
- Competitive compensation and attractive benefits

Office Location

- You will be based in our Parramatta, Sydney office (Hybrid).

Applications / Next Step

- Please submit your application, including CV via the relevant job posting on DHI's website: <http://www.dhigroup.com/careers>
- Deadline for application is 7 November 2026.
- For further information please contact (Yong Quan Lim; liyq@dhigroup.com).