TIDAL ANALYST

As a Tidal Analyst at QED Naval Ltd, you will play a crucial role in analysing tidal patterns, tidal shear, and spatial variation of the tidal conditions within a site to support various projects related to. You will need a strong background in numerical modelling tools such as Telemac 2D/3D or Delft3D, MIKE21. Ideally you will have a good understanding of wave and tidal modelling and turbulence effects. You will work closely with cross-functional teams to gather and interpret tidal data, providing valuable insights to inform decision-making processes.

RESPONSIBILITIES:

1. **Data Collection and Analysis:**
   - Gather tidal data from various sources, including monitoring stations, satellites, and other relevant instruments.
   - Analyse tidal patterns and trends to identify key factors influencing tidal behaviour.

2. **Modelling and Simulation:**
   - Develop and implement tidal models to simulate and predict tidal movements.
   - Utilize specialized software tools to conduct simulations and assess the impact of tidal variations on specific projects.
   - Have a strong background in wave and tidal modelling preferably in Telemac 2D/3D or Delft3D, MIKE21.

3. **Report Generation:**
   - Prepare comprehensive reports summarizing tidal analyses and findings.
   - Communicate results effectively to internal teams and external stakeholders.

4. **Collaboration:**
   - Collaborate with oceanographers, environmental scientists, and other experts to integrate tidal data into larger project plans.

- Work closely with project managers to ensure that tidal considerations align with project goals.

5. **Quality Assurance:**
   - Conduct quality assurance checks on data to ensure accuracy and reliability.
   - Implement corrective measures when necessary and maintain data integrity.

6. **Stay Updated on Industry Trends:**
   - Keep abreast of advancements in tidal analysis methodologies and technologies.
   - Implement best practices and incorporate new techniques to enhance analysis processes.

QUALIFICATIONS:
   - Bachelor's or Master's degree in [relevant field, e.g., Oceanography, Environmental Science, Engineering].
   - Proven experience in tidal analysis or a related field.
   - Experience in Telemac, Delft 3D, MIKE21 or similar.
   - Strong analytical and problem-solving skills.
   - Excellent communication skills, both written and verbal.
   - Ability to work collaboratively in a team environment.
   - Detail-oriented with a commitment to producing high-quality work.