# **Person Specification**

**Job Title: Principal Engineer – Marine Scour**

**Education and Experience**

|  | Essential | Desirable |
| --- | --- | --- |
| Bachelor’s degree in a relevant field (e.g., engineering, physical science or mathematics) or equivalent. | X |  |
| A relevant postgraduate degree in a related field | X |  |
| Chartered with a relevant institute or working towards |  | X |
| Ability to be able to carry out scour studies in both small- and large-scale experimental facilities |  | X |
| Good technical knowledge and expertise in waves, flows, sediment transport, seabed / coastal morphology, scour, and scour protection design. | X |  |
| Good experience of working in a consultancy or similar environment and with proven project management experience. | X |  |
| Successful track record in managing and delivering complex projects, working with inter-disciplinary teams. | X |  |
| Some experience of CFD modelling (e.g., OpenFOAM/ SedFOAM) and physical (laboratory) hydraulic modelling is desirable. |  | X |
| Experience in proposal writing and winning work. | X |  |
| Ability to contribute to and head-up research and commercial strategy aims. |  | X |

**Personal Characteristics**

|  | Essential | Desirable |
| --- | --- | --- |
| Ability to work independently, take the initiative, find solutions and proactively drive progress, while working as part of a team | X |  |
| Good communications skills, written and verbal | X |  |
| Experience of line/project team management |  | X |
| Resilient, highly motivated, with the ability to stay calm under pressure | X |  |
| High levels of professional pride and attention to detail | X |  |
| Confident and articulate with the credibility to persuade and influence | X |  |