Person specification  
Job title: Senior/Principal Scientist (Seabed Processes)

R0-1 15 February 2022

Education and experience

|  | Essential | Desirable |
| --- | --- | --- |
| A good engineering, physical science or mathematics degree | X |  |
| A relevant postgraduate degree in a related field | X |  |
| Chartered with a relevant institute |  | X |
| Ability to be able to carry out scour studies in both small- and large-scale experimental facilities |  | X |
| Ability to carry out desk assessments of scour risk, and develop scour protection designs | X |  |
| Good technical knowledge and expertise in waves, flows, sediment transport, seabed / coastal morphology, scour, and scour protection design | X |  |
| Experience of CFD modelling (e.g. OpenFOAM/ SedFOAM) |  | X |
| Experience of physical (laboratory) hydraulic modelling |  | X |
| Successful track record in managing and delivering complex projects, working with inter-disciplinary teams | X |  |
| Experience in proposal writing and winning work | X |  |
| Ability to contribute to and lead 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 |  |