# **Job title:** Senior / Principal Engineer or Scientist

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| To help lead our growing ship navigation and mooring related research and consultancy work. This will involve bidding for and leading ship navigation simulation studies, that often use our state-of-the-art ship and tug simulators, and also fully dynamic ship mooring studies that may use our extensive numerical and/or physical modelling facilities.Supporting innovative research and development to support this growing business area. |

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| Main duties |
| * Define, bid and lead ship navigation and mooring related research and consultancy work
* Design, plan and execute ship navigation simulation studies using state-of-the-art software to simulate the behaviour of ships at sea and in port/terminal areas
* Assist with modelling highly realistic ship and tug manoeuvring models working with our experienced, expert team of naval architects, engineers, master mariners, pilots and software modelling experts - all focused our suite of real-time ship simulators
* Numerical modelling of ship mooring
* Physical modelling of ship mooring or other floating structures
* Carry out model analysis and deliver technical evaluations
* Contribute to bids / proposals
* Client liaison and management
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| Group | Ships & Dredging |
| Reports to | Group Manager |
| Responsible for |  |
| Date agreed | 14th April 2025 |