# **Job Description**

# **Job title: Senior Engineer or Scientist (Australia) – Ships and Dredging**

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| Main purpose |
| To help support our growing ship navigation and mooring related research and consultancy work based in Fremantle, Western Australia. This will involve supporting ship navigation simulation studies, that often use our state-of-the-art ship and tug simulators, and ship mooring studies that may use some of our extensive numerical and/or physical modelling facilities.Supporting innovative research and development to support this growing business area. |

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| Job specific duties |
| * Define 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 and proposals
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| Group | Ships and Dredging |
| Reports to | Group Manager |
| Responsible for |  |
| Date agreed | Click here to enter text. |