

Test facility

Water tank/pond

Underwater tracking cameras

Facility: The University of Manchester, REEL
Contact: nnuf-hr@Manchester.ac.uk

2.4 m x 3.6 m, 2m deep water tank.

A Qualisys Miquis underwater camera tracking system, plus a Vicon Vero camera system for above water tracking. These systems provide positional accuracy of less than 1mm above and below the water.

Walkway all the way round for easy access, and scissor lift to get equipment to top of the tank.

Available Kit

- Water tank
- 6x Qualisys Miquis cameras
- 6x Vicon Vero cameras
- 500kg scissor lift
- BlueROV2
- Deeptrekker DTG3



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Skills Required of the User

N/A

Additional considerations

N/A

Costs

- Dependant on duration of hire, support required & options selected

ROV

BlueROV2

Quantity: 1

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BlueROV2 is a underwater ROV with built in camera and lighting and capability to carry other payloads.

Kit contents

- BlueROV2
- 100m tether
- Heavy lift kit
- Blueprint Labs 5DOF underwater manipulator and controller
- Hydromea Luma 500 optical modem for wireless communication



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Skills Required of the User

- System integration
- ROV piloting

Additional considerations
N/A

Costs

- Dependant on duration of hire, support required & options selected

ROV

Deeptrekker DTG3

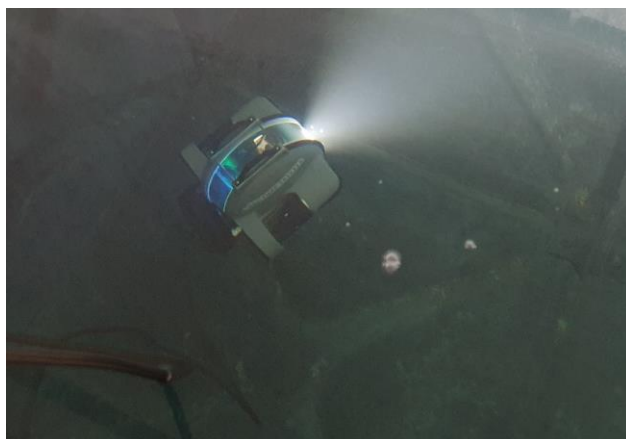
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A small highly manoeuvrable ROV for visual inspection tasks, with high quality 4k low light camera and built in lighting. Also has limited payload capacity.

Kit contents

- Deeptrekker DTG3
- Tether
- Controller



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Skills Required of the User

- ROV piloting

Additional considerations

N/A

Costs

- Dependant on duration of hire, support required & options selected