



The  
University  
Of  
Sheffield.



AVALON

- Underwater Robotics -

3<sup>RD</sup> YEAR COMPETING

TOTAL DISTANCE TRAVELLED:  
3,900 MILES

ROV Total Cost: \$5,080.00

Total student-hours to design and build: 1600

Dimensions: 410mm x 356mm x 322mm

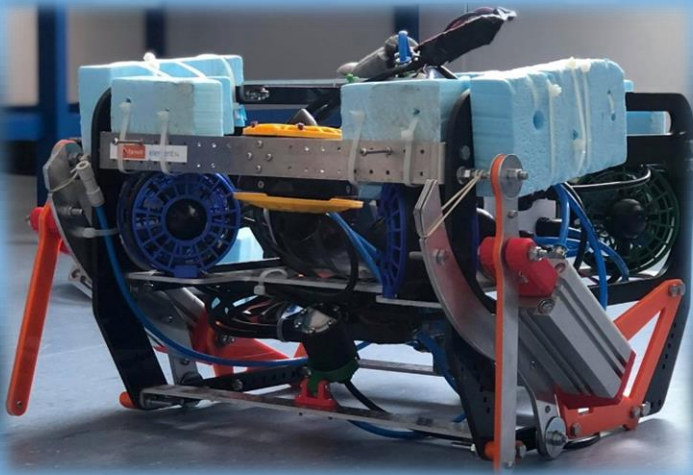
Weight: 11.5kg

#### SPECIAL FEATURES:

- 5 DOF
- Multi-purpose gripper
- Low-latency cameras
- Depth and pitch stabilisation

#### SAFETY FEATURES:

- Master fuse
- Humidity sensor inside control box
- Thruster guards
- Safety kill switch



#### TEAM MEMBERS (\* new member):

- Jane Yasmin\*, (Electrical Engineer), 1<sup>st</sup>
- Mykola Gavrysh\*, Software Engineer, 1<sup>st</sup>
- Dimitris Boufidis\*, CMO, 1<sup>st</sup>
- Cristian-Razvan Popa\*, CFO, 1<sup>st</sup>
- Hutheyfa El-Hames\*, Electrical Engineer, 1<sup>st</sup>
- Benjamin Anderson\*, Electrical Engineer, 2<sup>nd</sup>
- Joseph Orford\*, Electrical Engineer, 3<sup>rd</sup>
- Benjamin Griffiths\*, Electrical Engineer, 3<sup>rd</sup>
- Henry O'Keeffe, Electrical Team Lead, 3<sup>rd</sup>
- Ross Ferguson\*, Mechanical Engineer, 3<sup>rd</sup>
- Andreas Panayiotou\*, Mechanical Engineer, 2<sup>nd</sup>
- Michalis Hadjitheodosiou\*, Mechanical Engineer, 2<sup>nd</sup>
- George Boufidis\*, Mechanical Engineer, 2<sup>nd</sup>
- Chun Lao Tai\*, Mechanical Engineer, 1<sup>st</sup>
- Dominic Rugg-Gunn\*, Control Engineer, 2<sup>nd</sup>
- Michael Osinowo\*, Software Engineer, 2<sup>nd</sup>
- Marwan Taher, CEO and Pilot, 3<sup>rd</sup>