

Enki Robotics Company Specifications

- Enki Robotics
- Operating Under the Highwater Foundation

Enki Robotics is in its second year of competition as a team, with this year being its first qualifying year at internationals. Team member Alexander Bacon has been to internationals twice, having competed with a different team (Vector Robotics) three years ago.

Martin Juskelis (Senior) - CEO, Programmer

Dominik Chrace (Senior) - CTO, Electronics

Alexander Bacon (Senior) - CDO, Design

Nathan Pawlak (Junior) - CSO, Safety

Alexander Paulius (Senior) - CFO, Financials

Jordan White (Junior) - CIO, Research

Pilot: Martin Juskelis

ROV Specifications:

- Name: Lipuchka (липучка)
- Total cost: \$2505.16 (including miscellaneous items)
- Dimensions: 32.385 cm x 15.24 cm x 26 cm (l * w * h)

Safety Features

- 25A fuse fitted to main power connection as per MATE regulations
- 3A fuse inside of OBS as per MATE regulations
- All electrical components have been secured in a waterproofed container.
- All motors are properly shrouded and fit to prevent foreign objects from entering the thrusters
- Each item that could potentially cause harm/risk has been labeled with a warning label.
- All sharp edges have been filed down to prevent injury to users or marine wildlife / environments

Other Features:

- Two axis manipulator
- Velcro strips across the ROV to allow for easy addition / removal of extra components
- Two cameras to provide both a manipulator and forward view
- Custom 3D printed mounting brackets
- LED strip inside of electronics tube; changes colours to the presence of water (changes depending on amount)