

# The Center of Robotics Development **Vladivostok** company **RoboCenter**



**Company RoboCenter.** Left to right standing: **Marat Rasulov, Daniel Proshin, Ignat Lebedev, Leo Davydenko, Nikolai Dolzhenko.** From left to right sitting: **Jaroslav Proshin, Anton Konstantinov, Anton Lobov, Herman Berdnikov**

# ALIENRAY



## **Safety features:**

Voltage and amperage meters at the surface, isolated switching power supplies to protect all electronics, no sharp edges.

25A fuse within 25cm of power on the positive line, main power shutoff switch.

A comprehensive JSA that meets the HSE standards for all necessary safety practices.

Sound warnings and alarms to the remote operator.

**Marat Rasulov** (11th grade, Technical Lyceum, 2nd year of MATE competition)  
Production Director, pilot

**Daniel Proshin** (9th grade, Technical Lyceum, 2nd year of MATE competition)  
Programmer

**Ignat Lebedev** (9th grade, Technical Lyceum, 1st year of MATE competition)  
Electronics

**Leo Davydenko** (11th grade, Technical Lyceum, 2nd year of MATE competition)  
Finance Director, pilot

**Nikolai Dolzhenko** (11th grade, Gymnasium №2, 2nd year of MATE competition) IT – Director

**Jaroslav Proshin** (9th grade, Technical Lyceum, 2nd year of MATE competition)  
Electronics, tether manager

**Anton Konstantinov** (11th grade, Gymnasium №2, 2nd year of MATE competition) CEO, Electronics

**Anton Lobov** (10th grade, Technical Lyceum, 1st year of MATE competition)  
Purchasing Director

**Herman Berdnikov** (9th grade, Technical Lyceum, 1st year of MATE competition)  
Designer, Programmer

## **ROV Specification**

Total value \$3253.4 ; Amount spent \$1467.86

Dimensions/Weight: 0.33m tall by 0.54m long by 0.5m wide; 11.47kg

## **Special features:**

Remote programming feature for easy troubleshooting. The autopilot can be easily disassembled for debugging electronics.

Bottom servo grabber for some tasks.

18m-long tether, outstretched in silicone hose for minimum size, maximum safety and flexibility