The Center of Robotics Development Vladivostok

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

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

AlienRay

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

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.