



Maritime State University Robotics Team

Team composition:

Have already taken part:

Plotnikov Sergey - CEO 3 year

Vyacheslav Viktorov - programmer for 3 years

Oleg Shevchenko - CFO programmer for 5 years

Sidelnikov Sergey - designer of a service station for 3 years

Participating for the first time:

Nikita Sapsai - programmer (2nd year, oil and gas business) 1 year

Podkolzin Daniil - designer (MTF, shipbuilding) 1 year

George Sobyanin - designer (1st year, FEIT TCB) 1 year

Kirill Kondrashkin - designer (1st year, FEIT TCB) 1 year

Viktor Stadnikov - electronics engineer (2nd year, TET) 1 year

Alexander Vashedko - electronics engineer (1st year, TET) 1 year

Yaroslav Rakov - electronics engineer (1st year, ESE) 1 year

Yuri Markin - designer (1st year, FEIT TCB) CMO 1 year

Mentors:

Oleg Kozhevnikov

Shkurin Evgeny

Korovetsky Denis

Proshchenko Omitry



We are located in the Russian Federation,
Primorsky Krai, Vladivostok

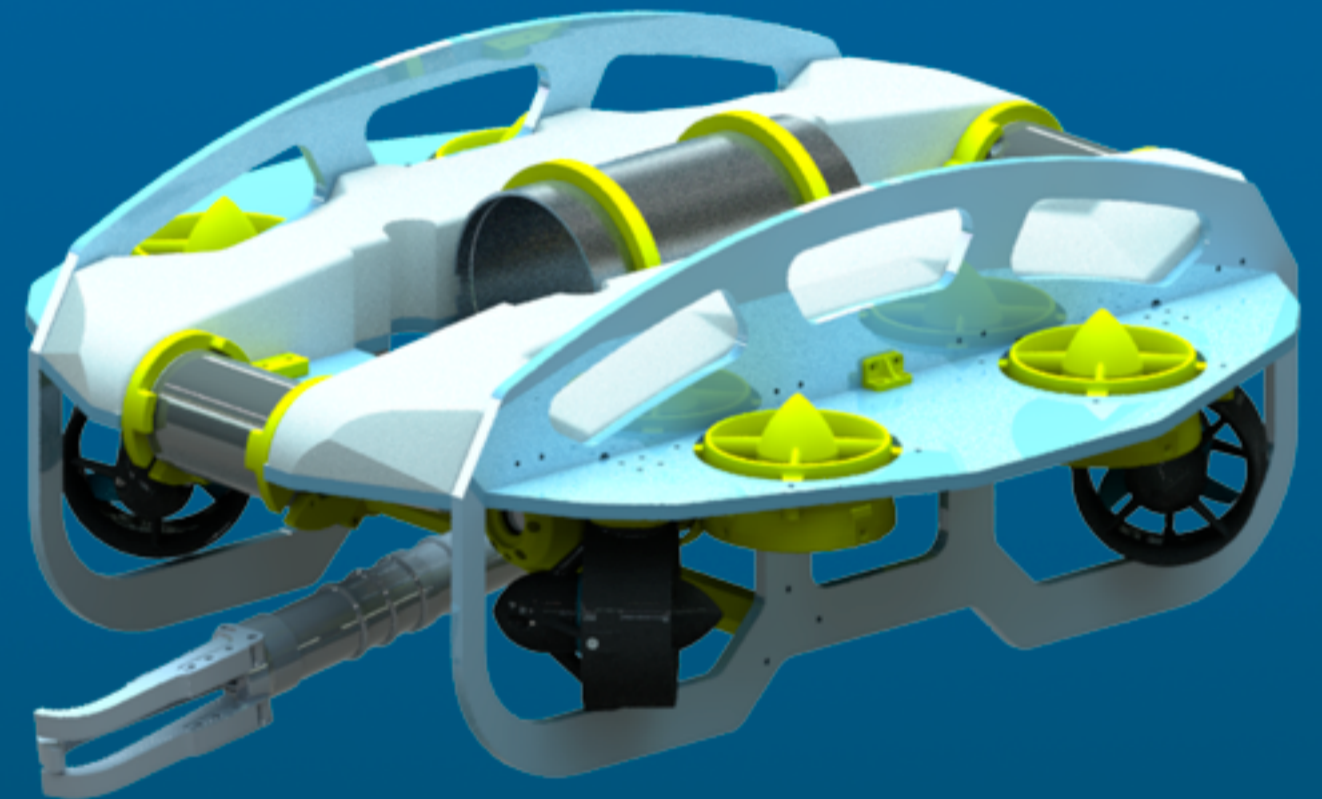
The path traveled: 8919 km

Personnel safety:

To ensure the safety of the team during the development of the device, checklists were developed for safe use ROV, cable manager, pilot, and others

ROV safety:

All dangerous components of the device (propellers, electronics units and a device for collecting samples) were marked with special signs prohibiting them from touching when the ROV is activated. Access to the blades of the screws is limited by grilles to avoid the possibility of getting into the blades of anything. All the sharp corners of ROV were worn off. A fuse designed for a current of 30A is installed on the cable next to the connector.



The total cost of the device: 275 t.r.

Length of the device: 620 mm

Width of the unit: 620 mm

Height of the device: 258 mm

Weight of the device: 10 kg

The device, along with the entire payload, has a slightly positive buoyancy, thanks to two isopink blocks installed on top of the main plate.

Features:

cameras providing an optimal field of view both when moving and when working with a manipulator, a long cable (25 meters) and an optimized power supply system, powerful software tools for image stitching