

PROVEN ROBOTICS



2021 Finish: 4th Place
 Estimated Travel: 2100 miles
 Year Competing: Thirteenth Year
 Members: College Freshman – Senior
ROV *Sub-Optimal*

Purdue University
 West Lafayette, Indiana, USA



Total Mass in Air: 11 kg
Overall dimensions: 21 cm x 21 cm x 14 cm
Primary Material: Aluminum 6061 T-6, Polylactic acid (PLA) filament, Polycarbonate
Total Cost of ROV: \$ 6286.32
Total ROV Design Work-Hours: 14,000 Hours
Safety Features: Master Fuse, Integrated Thruster Shrouds, Software Diagnostic Tool, Manual Disengagement, Rounded Edges
Special Features: Custom Printed Circuit Boards (PCBs), Waterjet-cut frame, 6 30-ms latency camera streams, Pneumatically actuated manipulators and tools, Adjustable ballast

Name, Position (New Members denoted by *)

Katherine Sandys	Chief Executive Officer	Edmund Leung	Electrical Department	Nikitha Sam *	Mechanical Department
Sebastian Gruenwald	Sponsorship Coordinator	Minh Nguyen*	Electrical Department	Alex Beers *	Mechanical Department
Jonathan Heidegger	Pilot /Software Department Co-Lead	Brandon Pham*	Electrical Department	Ulysses Hennelly *	Mechanical Department
Corina Capuano	Mechanical Department Co-Lead	Cole Kniffen*	Electrical Department	Daniel Choi *	Mechanical Department
Read Hedl	Electrical Department Lead	Peter Sperry*	Electrical Department	Jason Bleasdel	Software Department
Peter Salisbury	Mechanical Department Co-Lead	Yusuf Jarada*	Electrical Department	Zachary Neel	Software Department
Hunter Haglid	Pilot /Software Department Co-Lead	Raghav Kumar Sudharshan Kumar*	Electrical Department	Cyrus Xu	Software Department
Erin Park	Electrical Board Head	Christopher Laszlo	Mechanical Department	Abhilash Saravana *	Software Department
Joseph Navarra	Mechanical Department	Matt Koeske	Mechanical Department	Shyawn Zahid *	Software Department
Bryce Sasser	Electrical-R&D Head	Lauren Sandys*	Mechanical Department	Jack Xiang *	Software Department
Rachel Livesay	Electrical Department	Jason Zheng*	Mechanical Department	Bradley Abelman	Software Department
Kaitlyn Yu	Electrical Department	Ronny Chan*	Mechanical Department		Software Department

Mentors: Michael Hayashi, Tyler Stagge