

Palos Verdes Institute of Technology (PVIT)

History of MATE ROV Competition Participation

- 2024:** 1st Place Southern California Fly Off, Ranger
2023: 7th Place International MATE Comp,
1st Place Technical Documentation, Ranger
2023: 1st Place Southern California Fly Off, Ranger
2022: 7th Place International MATE Comp, Ranger
2022: 1st Place Southern California Fly Off, Ranger
2021: 4th Place International MATE Comp, Ranger
2019: 2nd Place Southern California Fly Off, Ranger
2018: 2nd Place Southern California Fly Off, Ranger
2017: 5th Place International MATE Comp, Ranger
2017: 1st Place Southern California Fly Off, Ranger
2016: 4th Place International MATE Comp, Ranger
2016: 1st Place Southern California Fly Off, Ranger
2015: 3rd Place International MATE Competition;
1st Place Mission Scores, Ranger
2015: 1st Place Southern California Fly Off, Ranger
2014: 5th Place International MATE Comp, Ranger
2014: 1st Place Southern California Fly Off, Ranger
2013: 2nd Place Southern California Fly Off, Ranger
2012: 2nd Place International MATE Comp, Ranger
2012: 1st Place Southern California Fly Off, Ranger
2011: Harry Bohm and Jill Zande Sharkpedo Award, Ranger
2010: 2nd Place Southern California Fly Off, Ranger

Smokey

ROV Value: \$7,323



Smokey ROV

Photo by: Azalea Lurie

Total Student Hours: 1200

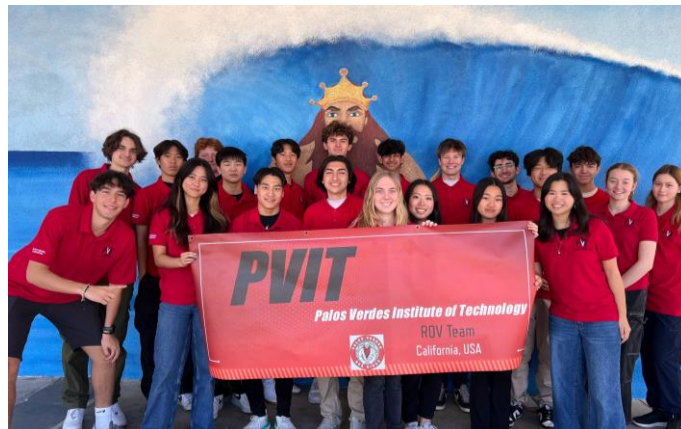
Primary Materials: Polypropylene, Acrylic, Carbon Fiber

Dimensions: 28 cm (Height), 71 cm (Length), 63 cm (Width)

Weight: 11.4 kg

Safety Features: 25 Amp Fuse, O-Ring Seal, Propeller Guards, Sharp Objects Protected.

Special Features: Arduino and Raspberry Pi Microprocessor, Blue Robotics T200 Thrusters, High definition video from 3 cameras, dual-positioned manipulator, fast propulsion, independent profiling float



2024 PVIT Team

Photo By: Connie Lim

Back Row (L→R): Henry Argentieri, Payson Cai, Max Caryl, Noah Kim, Benjamin Peters, Rayaan Jaffer, Neil Yeich, Tim Keroles, Michael Fu, Ryan Peters, Azalea Lurie, Megan Ashcroft

Front Row (L→R): Gavin Montgomery, Eto Uchiyama, Dean Choi, Ruka Ito, Andrew Moore, Lisa Lininger, Allison Yu, Hailey Lee, Chloe Choi

2024 Ranger Team Organization

- Lisa Lininger '24: President, CSO, 3rd year
Benjamin Peters '25: CEO, 3rd year
Allison Yu '25: CIO, 3rd year
Andrew Moore '25: CTO, 3rd year
Azalea Lurie '25: ESG Coordinator, 3rd year
Ruka Ito '26: Lead Mechanical Engineer, 2nd year
Michael Fu '25: Lead Software Engineer, 1st year
Eto Uchiyama '25: CFO, 2nd year
Chloe Choi '24: Media Coordinator, 1st year
Gavin Montgomery '24: Lead Design Engineer, 2nd year
Timothy Keroles '24: Design, 2nd year
Noah Kim '27: Design, 1st year
Dean Choi '27: Design, 1st year
Henry Argentieri '25: Mechanical, 2nd year
Payson Cai '26: Mechanical, 2nd year
Hailey Lee '26: Mechanical, 1st year
Rayaan Jaffer '26: Mechanical, 1st year
Ryan Peters '25: Mechanical, 1st year
Neil Yeich '25: Finance, 2nd year
Megan Ashcroft '26: Mechanical, 1st year
Max Caryl '27: Mechanical, 1st year
Lucas Park '27: Mechanical, 1st year