

Palos Verdes Institute of Technology (PVIT)

History of MATE ROV Competition Participation

2021: 4th Place MATE Worlds Competition, Ranger
2019: 2nd Place Southern California Fly Off, Ranger
2018: 2nd Place Southern California Fly Off, Ranger
2017: 5th Place MATE Worlds Competition, Ranger
2017: 1st Place Southern California Fly Off, Ranger
2016: 4th Place MATE Worlds Competition, Ranger
2016: 1st Place Southern California Fly Off, Ranger
2015: 3rd Place Worlds MATE Competition;
1st Place Mission Scores, Ranger
2015: 1st Place Southern California Fly Off, Ranger
2014: 5th Place Worlds MATE Competition, 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



2022 PVIT ROV Company Photo: Cheryl Oshiro

Front, L→R: Daniel Chu, Cynthia Ho, Andrew Moore, Zachary Rapoport, Allison Yu, Lisa Lininger, Sasha Chehrzadeh, Riko Negishi, Erika Yiu, Azalea Lurie Back, L→R: Lucia Ruiz, Kharianna Gracie, Neil Yeich, Sammy Moore, Ben Peters, Ethan Sung, Skylor Sun, Steven Guo, Payton Ahn, Jenna Chow, Monica Basha

Maui

ROV Value: \$5,840

Total Student Hours: 1200

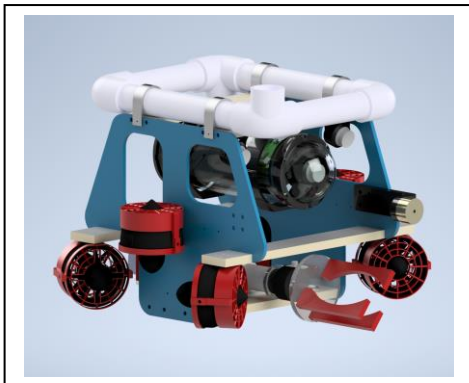
Primary Materials: Polypropylene, Acrylic, Nylon

Dimensions: Height-52 cm; Length-38 cm; Width-51 cm

Weight: 12.5 kg

Safety Features: 25 Amp Fuse, O-Ring Seal, Motor Shrouds, Sharp Objects Protected.

Special Features: Arduino Microprocessors, Raspberry Pis, BlueRobotics T-200 Thrusters, dual-positioned manipulator, exploreHD cameras



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Image: Cynthia Ho

2022 Ranger Team Organization

Sammy Moore '22: President, Lead Design Engineer, Pilot, 4th year
Jenna Chow '23: CEO, Lead Mechanical Engineer, 3rd year
Erika Yiu '22: Chief Marketing Officer, Mechanical Engineer 3rd year
Lisa Lininger '24: CSO, Mechanical Engineer, 1st year
Steven Guo '23: CFO, Mechanical Engineer, 3rd year
Sasha Chehrzadeh '22: Chief Technology Officer, 3rd year
Payton Ahn '22: Mechanical Engineer, 1st year
Steven Guo '23: CFO, Mechanical Engineer, 3rd year
Riko Negishi '23: Mechanical Engineer, Prop Specialist, 2nd year
Daniel Chu '23: Design Engineer, 1st year
Skylor Sun '23: Mechanical Engineer, 1st year
Lucia Ruiz '23: Mechanical Engineer, 1st year
Kharianna Gracie '23: Mechanical Engineer, 1st year
Cynthia Ho '23: Design Engineer, 1st year
Monica Basha '25: Software Engineer, 1st year
Azalea Lurie '25: Mechanical Engineer, 1st year
Andrew Moore '25: Design Engineer, 1st year
Ben Peters '25: Software Engineer, 1st year
Zach Rapoport '25: Design Engineer, 1st year
Ethan Sung '25: Mechanical Engineer, 1st year
Neil Yeich '25: Mechanical Engineer, 1st year
Allison Yu '25: Software Engineer, 1st year