

PCC Robo Raiders Company Spec Sheet



Team members

Top row (left to right):

Aaron Shi (CTO, 12th Grade)
Myra Interiano (Electrical Lead, Data analyst)
Samuel Jeon (CEO, Sophomore, '28)
Mars Shi (COO/CFO, Freshman, '29)

Bottom row (left to right):

Tao Tokikawa (Software Lead, Sophomore, '28)
Viola Durghalli (Software, Freshman, '29)
Hector Miranda (Software, SW engineer)
Audrey Ku (Electrical, Freshman, '29)

Advisors

Doug Fosters
Jared Ashcroft

Company info

Name: Robo Raiders
Location:
Pasadena City College
Pasadena, California, United States
Travel distance: 7108.5 km
Returning team - 5th year participation in MATE
ROV
Grade range: 12th Grade - College Sophomore

Safety Features

Custom 3D printed Thruster Shrouds
Bottom-Side Kellems Strain Relief cable damage
and electrical failsafes
Toggleable thrust power
Controlled power management that prevents
overheating / overcurrent

Special Features

Integrated Xbox Control interface
Beginner-friendly interface for new pilots
Digital image recognition via OpenCV
Claw arm with rotating wrist & 3 degrees of
motion
Adjustable camera angle

ROV specifications

Length: 66 cm
Width: 46 cm
Height: 37 cm
Build cost: \$ 500
Build time: 700 hours
Mass: 12.9 kg
Name: **PORTUNUS**

