Company Profile:
High School Sophomores through Seniors
Established 2004
International competitor since 2010

Aptos Mariner Robotics LLC Team

Chris Randolph
CEO, Mechanical Engineer, Pilot 4th Year

Gavin Venes
Vice President, Mechanical Engineer 2nd year

Francisca Perez
Secretary, Electrical Engineer 3rd year

Nathaniel Blount
Electrical Engineer 2nd year

Daniel Hepner:
Software Engineer, Electrical Engineer 2nd year

Christian Jeske
Mechanical Engineer 2nd year

Catie Randolph
Mechanical Engineer 2nd year

Jeremy Rudd
Electrical Engineer 2nd year

Kyle Johnson
Electrical Engineer 1st year

Jacob Rodriguez:
Mechanical Engineer, Drafting 1st year

Ben Rodriguez:
Mechanical Engineer, Drafting 1st year

Mebin Skaria:
Software Engineer 1st year

The Product
The Hammerhead
Compact Class II ROV
Chassis Dimensions: 36 x 36 x 51 cm
Mass: 12.5 kg
Development cost: $2856

Safety Features
Reverse voltage protection, 25 amp control box fuse, automatic laser shields, smooth edges, and shrouds around motors.

Special Features
Stereo camera system, laser ranging, ergonomic controller, proportional motor control, versatile manipulators, active buoyancy system, 3D printed camera cases.