



CRUSH DEPTH

ID: EX05

3rd Year Returning to Mate ROV

Engineering Renaissance Club at Clovis Community College

Clovis, CA, United States (4,830 mi/7773 km from competition)



Members: Name (Role)

Third row: Mr. Khaira (Mentor), Isaac Perry (Housing), Gavin Kiggins (Housing), Tyler Barber (Surface Side), Adrian Macais (Chassis), Luke Salazar (CEO/CDO), Ethan Betner (SAS) Jacob Schmidke (Marketing), Michael Dulcich (Electrical), Angel Avalos (Chassis), Mr. Bohan (Mentor)

Second row: Tun La Min (Housing) Enrick Manansala (Finance) Santino Gonzales (CFO), Brent Murray (Electrical), Colby Carrier (Surface Side), Daniel Larralde (Pilot), Austin Bethel (Manipulators) Jack Jackson (CEO/CDO), Aiden Lu (Control Systems), Kendall Reagan (Manipulators) Kevin Yazon (Housing) Reagan Feystrom (Manipulators)

Third row: Jhan (Electrical), Cecilia Urbietta (Control Systems), Domer Macarine (Chassis), Cruz Babb (Float), Justin Lu (Surface Side), Emily Brereton (Marketing), Jeremy Cortez (Finance), Lincoln Smith (Manipulators), Sameeha Suliman (Manipulators), Julia Taylor (CSO), Lourdes Chavez (Marketing)

Not Pictured: Zachary Davidson (Control Systems), Rene Espinoza (Electrical), Aden Gamber (Housing), Addison Hickey (Float), Jimmy Howell (Control Systems), Zar Jalhayan (Control Systems), Adrian Macias (Chassis), Alex Martinez (Surface Side), Andres Martinez (Float), Sophia Morales (Marketing), Justus Pettit (Float), Grayson Pressutti (Float), Ella Siadto (Surface Side), Timothy Sokoloff (SAS), Jazmin Villagran (Control Systems), Carson Yee (Manipulators)

GKAlloy

Total Design & Build

Hours: 3,532 hours

Size: 60x50x40 cm

Weight: 30 kgs

Cost: \$5,383.29



Special Features

- Custom strain relief
- SLA camera print
- ALS (Auto leveling system)
- Popa (Pilot optimization program)
- Custom camera housing
- Custom camera connectors
- Custom housing unit
- Removable tether
- Hinged chassis rings

Safety Features

- Bolt covers
- Snipped zip ties
- IP-20 standard thruster shrouding for both sides of the propeller
- Out potting procedure for penetrators on backplate
- cylindrical shape with rounded edges to avoid bumping props and getting caught in rope or tether