



45C ROBOTICS

CAMS ROV ROBOTICS TEAM

45C Robotics

Carson, California

Distance to International Competition - 1154.3 miles

Est. 2015

Jiajer Ho* '19 - CEO, Electrical Lead, and Designer

Marcelo Cubillos '19 - Machining Lead

Isaac Addis* '19 - Programming Lead

Brad Biscocho* '19 - Mechanical Lead

Celia Yu* '19 - Mech Co-Lead

Kentaro Vadney* '19 - Finance Lead and Machining

Etisone Escamilla '18 - Mechanical Engineer

Victor Zuleta '20 - Programmer

(*Team member has competed in MATE competition before)

Sandra James - Mentor

Name of vehicle: Triton VII

Manufacturing Cost: \$1682.75

Weight: 4.5 kilograms

Primary Material: High density polyethylene

Dimensions: 36cm x 34cm x 30cm

Hours to build: 200 hours

Safety features

25 amp in line fuse

Shrouds with warning stickers

Short circuit detection

Independent Vehicle power switch

Automated Smart System

Special features

Custom 3D Printed motor mounts and shrouds

2 High torque manipulators

Custom Graphical User Interface (GUI)

Camera Vision Distance Measurement

Custom Frame and Control Box

