



*We raise talented  
engineers of the  
future.*

At AVBotz, we use the highly competitive environment of RoboSub to engage members in approaching engineering challenges & developing organizational skills. We stay in tune with our values of curiosity, ambition, improvement, and teamwork as we further underwater exploration technologies.

*We are building the  
Future of Autonomous  
Robotics*



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**AVBOTZ**

AMADOR VALLEY ROBOTICS

# 19 Years

*In the making. Since 1999, talented engineer students of Amador Valley have perfected the autonomous submarine to this day.*

## Introducing The Marlin

In 2016, the AVBotz team retired the fourteen year-old submarine Barracuda and created Marlin, a brand new autonomous underwater vehicle (AUV) from scratch. This year, the team is focused on refining Marlin through rigorous testing and upgrades to its mechanical system and software. This page overviews Marlin's existing specifications and recent changes to the mechanical, electrical, and software elements.

## ABOUT US

### Our Mission

AVBotz is a team of forty-two Amador Valley High School students from Pleasanton, California. We compete with collegiate teams in the AUVSI International RoboSub Competition in San Diego every August. See more about the RoboSub Competition.

Since 2000, we have perpetuated a legacy of problem solving and independent learning; the team is recognized nationally as the best performing high-school team in the competition. We had the highest scoring run at RoboSub 2015, and placed 7th overall, beating Cornell, IIT Bombay, and 28 other universities.

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WE ARE  
AVBOTZ

### A BREIF HISTORY

The Amador Valley High School Robotics Club was founded in 1999 by an intrepid group of students with a passion for robotics. These students decided to enter the International Autonomous Underwater Vehicle Competition, a competition in which only colleges competed. These group of students started a legacy in which would continue on years later to this day.

### TEAM SUBDIVISIONS

AVBotz is split into four subdivisions: Mechanical, Electrical, Software, and Business. Each subdivision is responsible for each essential part of building the autonomous submarine.

### BECOME A SPONSOR

Being one of the only high school teams competing is hard, especially when you're on a tight budget. Since the school doesn't fund us, we depend entirely on sponsors. We ask for a contribution to support our efforts in developing and advancing AUV technologies. Thank you.