

SDSU Mechatronics Bio

San Diego State University Mechatronics was started in 2012 to help students gain real-life experience through hands-on projects conducted outside of the classroom. In fall 2013, a prototype named Hydrophobe was made as a proof of concept for future RoboSub Competitions by a team of 6 electrical, mechanical, and software engineers. Having successfully completed their prototype, Mechatronics participated in the 2014 competition as rookies and managed to get 8th place with their vehicle, Endeavour.

Drawing on the experience from their first competition, the Mechatronics team then designed a new vehicle from scratch. After one year of hard work and tremendous effort, the new Mechatronics RoboSub, Defiance, was completed for the 2015 RoboSub Competition. Mechatronics went on to win 1st place.

The next year, with an influx of passionate engineers eager to work, the team decided to not only improve Defiance, but also to create an Unmanned Aerial Vehicle called Overwatch. The team was successful in completing Overwatch, but did not make past semifinals in the 2016 RoboSub Competition.

For the last two years, we refocused all our efforts to the RoboSub competition. We have taken all the lessons we have learned along the way and designed a new vehicle, Perseverance. It took us one year to design and fabricate Perseverance. Our passion for this project allowed us to push ourselves and improve both individually and as a team. We cannot wait to see the results at this year's competition.