

The University of Colorado Boulder Robotics Team is proud to present our 2018 competition vehicle Leviathan II. The mechanical, electrical, and software systems have been iterated upon and refined to complement the more advanced understanding of our systems. The team is coming into the competition better prepared than ever before, thanks to our new education and collaboration programs. Throughout the past year the team has worked closely with faculty and postgraduate students, to strengthen the robotics network on campus. Together we created Senior Capstone projects, built robotics based workshops and started to expand into working with research labs on campus to apply theoretical research to a real system. These efforts have developed the team's knowledge and capabilities.

Leviathan II, boasts the team's advanced sensor package. At the core of our sensing capability is our Nortek DVL, a 360 degree 5 camera system, advanced hydrophone array and a Sparton AHRS-8. With the vehicle's full panoramic vision and advanced localization capabilities the team is finding new and interesting ways to solve the competition's challenges. With a continuous regimen the team tests the systems every two weeks during the school year and every weekend over the summer. With this robust schedule, and emphasis on education the team is better prepared for RoboSub 2018. We are excited to see you all at the TRANSDEC casino.