



TEAM BIO: UFRJ NAUTILUS

UFRJ Nautilus team is a student engineering group of Federal University of Rio de Janeiro (UFRJ) focused on naval and submarine automation. Our undergraduate students design, build and program an autonomous underwater vehicle (AUV) at low cost. The Nautilus AUV, called BRHUE, is programmed to perform a mission completely autonomously, without human interaction or any other remote operator. UFRJ Nautilus main goal is to compete, for the second time, on Robosub 2018, since it had participated before in the year of 2016. The team is the first and only competitor from Brazil to participate in RoboSub, and consists of 30 students from different backgrounds and courses.

The team was founded in 2016, by 8 undergrad engineering students, as a way to motivate them to create high-end technology and to feel engaged with the Engineering. Therefore, Robosub became the gateway for the group to start working on an innovative automation project, generating many positive results. With the intention to keep innovating, Robosub 2018 became a new opportunity to show a more advanced project. Nowadays, the robot can perform different tasks, such as fire torpedoes at targets and grab objects. The team offers a great academic and practical experience for its members, combining research conducted in the classroom and a hands-on approach to training.