Educational Outreach: Strengthening the Chilean Robotics Ecosystem CALEUCHE UC:

Caleuche UC is deeply committed to fostering a robust autonomous marine robotics community in Chile. Participating in the RobotX program has catalyzed our efforts to share our developments, demonstrating that technology designed for international competition holds significant short- and long-term value for solving real-world challenges within our national territory.

To bridge the gap between academic development and institutional application, our team participated in **Innovapolinav** on October 23, 2025, an innovation fair organized by the Chilean Navy. At this event, we exhibited our WAM-V-16, providing hands-on demonstrations of its autonomous perception capabilities to naval personnel and industry professionals. This platform allowed us to establish strategic connections with other regional robotics teams. By sharing our technological approach, we highlighted how the innovations driving our road to Singapore can be directly applied to current maritime challenges in Chile.

Shortly after, on November 28, 2025, we focused on inspiring the next generation of engineers at the **"Drones para Chile"** fair, hosted at the INACAP technological institute. To make our work accessible to the public, we showcased scale models, presentation videos, and interactive simulation environments featuring our autonomous surface vessels and aerial drones. During this event, we engaged directly with over 100 students. Our members took on a mentorship role, answering vocational questions, guiding academic aspirations, and discussing the practical realities, problems, and rewarding results they can expect from pursuing a career in robotics.

These outreach activities are fundamental to our mission. By bringing advanced maritime robotics out of the university laboratory and into both naval institutions and student fairs, we are actively strengthening the collaborative network across the country. Increasing our national visibility not only opens doors for future funding and competition opportunities, but more importantly, it empowers the next generation of innovators to lead Chile’s technological future.