U.S.S. Atlantic
Sponsored by Sempro, Spokane WA

6 Years participating in SeaPerch
2 Times at the International SeaPerch Challenge

Our SeaPerch is unique because: (100 words MAX)

Our ROV is unique because it is based off of a one-dimensional plane with a keel. We also customized our probe to have a notch that can hold multiple objects at a time with ease and efficiency. When building our SeaPerch, we took the environment into account. We used all recycled schedule 40 PVC from previous ROVs to reduce the number of supplies necessary. One more unique feature is that we streamlined our electrical harness by going inside the PVC frame to reduce drag.

SeaPerch Design Overview: (100 words MAX)

During the engineering design process, we created and tested multiple prototypes but eventually settled on one that beat out the rest in the categories we were looking for and tested. Our final design came from tests of speed, maneuverability, buoyancy factors, and portage. Through systematic testing and analysis, we identified the strengths and weaknesses of each design, ultimately leading us to select the one that excelled across all criteria. Our final design emerged as the optimal solution, striking the right balance between performance, functionality, and efficiency.

Our biggest takeaway this season is: (100 words MAX)

Our biggest takeaway from this season is to always persevere. Despite not getting support from both our high school and school district in a timely manner, we did not give up when it came to funding, building, and getting to Seaperch Internationals 2024. We got the resources needed through our own means, our community and sponsorships. Because of their Seaperch journey, the team members of U.S.S. Atlantic, Zack and Riley, are more prepared for their future endeavors as they leave high school.