

**2023
-24**

SPONSORSHIP PACKET

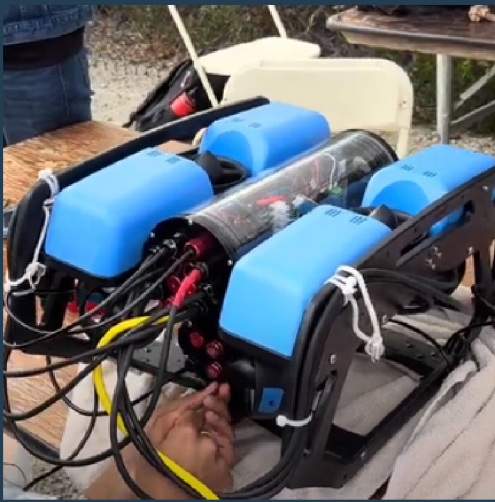
Troy High School SPEAR





Troy SPEAR

► Introduction



RoboSub is an international collegiate competition that invites competing teams to develop autonomous underwater vehicles (AUVs) to tackle simplified versions of challenges facing the underwater maritime industry. Held yearly at the TRANSDEC in San Diego, California, this competition challenges teams to conceptualize, construct, and program robots to autonomously navigate and complete tasks in a complex underwater course. These tasks include underwater localization, detection of objects, object manipulation, underwater communication, and other challenges that are completed for points. Beyond the competitive spirit, RoboSub fosters a community of collaboration and learning. This year, our team was met with countless invaluable experiences, including meeting many other like-minded individuals and creating friendships that continue to last even after the competition ends.



► About Us

We are Troy SPEAR - a High School NJROTC underwater robotics team comprised of 10 students, from freshman through seniors, who currently attend Troy High School. Our team was created in 2019 with the goal of increasing our knowledge and strengthening our skills in the field of engineering and computer science. In the 2022 to 2023 season, we expanded our team to build our first autonomous underwater vehicle (AUV) and participate in our first in-person RoboSub competition, which led to many invaluable memories and experiences. So much so, we are hoping to compete in the years to come. Currently, we are expecting a team size of around 15-20 in the next (2023-2024) season, and hope to foster the same passion in future generations.





► **Ways to Help**



FINANCIAL

The most direct method of support. Due to the costly nature of supporting a team such as this one, the resources required are substantial and diverse, from equipment to competition registration fees. A financial sponsorship directly addresses these critical needs, enabling us to enhance our technical capabilities, maintain a high level of performance, and seize this valuable learning opportunity.

MATERIAL

Due to the engineering aspect of the competition, our team also benefits from donations of materials and parts. Our team often faces challenges accessing manufacturing specialized parts and other means of fabrication due to the limited capabilities of our high school workshop. Material sponsorships are tiered based on price estimations of the donations.

MENTORSHIP

A mentorship holds paramount importance in furthering our team's growth and development. The main challenge posed in such competitions is the way they not only demand technical knowledge but also guidance gained from experience. Such sponsorship would connect our team with experts in relevant fields who can provide insight and advice. Due to the instrumental role a mentorship would play, sponsors who provide mentors are automatically in the gold tier.



► Expenditure

Please note that some of the amounts listed may be estimates, and that the amounts listed are prices for all quantities mentioned; the quantity needed is specified next to the product name.

BREAKDOWN

AMOUNT

Registration	\$1,250
Course Construction	\$500
Jetson Orin Nano (x2)	\$1,000
Pixhawk 4 (x2)	\$400
BlueROV2 Kit (with Ping360 Sonar)	\$8,170
BlueROV2 Heavy Retrofit Upgrade	\$680
Frame (custom)	\$5,000
Doppler Velocity Log (DVL)	\$7,500
Inertial Measurement Unit (IMU)	\$2,000
Camera (x2)	\$250
Batteries (x6)	\$600
Battery Charger	\$200
Monitor	\$150
Keyboard	\$50
Mouse	\$30
Laptop	\$1,250
Outdoor Laptop Sun Shade (x3)	\$210
Router (x2)	\$400
Carrying Case	\$600
Organization/Storage	\$750
Team Merch (shirts, jackets, etc) (x 20)	\$2,000
Transport/Accommodations	\$10,000

TOTAL: \$42,990



Troy SPEAR



Benefits

All benefits are cumulative and all sponsorship ranks are reset annually



\$4,000+

PLATINUM

- Large business logo on our submarine and promotional materials
- Video advertising on website and other social medias

GOLD

- Large business logo on T-shirts
- Small business logo on our submarine and promotional materials
- Business name in 2024 competition paper

\$2,000-

\$3,999

\$750-

\$1,999

SILVER

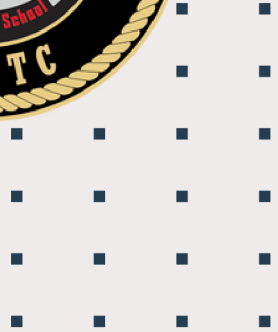
- Small business logo on T-shirts
- Business logo displayed on website
- Free team T-shirt sent to sponsor
- Business name on promotional materials

BRONZE

- Sponsor name on website and T-shirt
- Thank you postcard and note from the team at the end of the season

\$100-

\$749



For any additional inquiries:

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