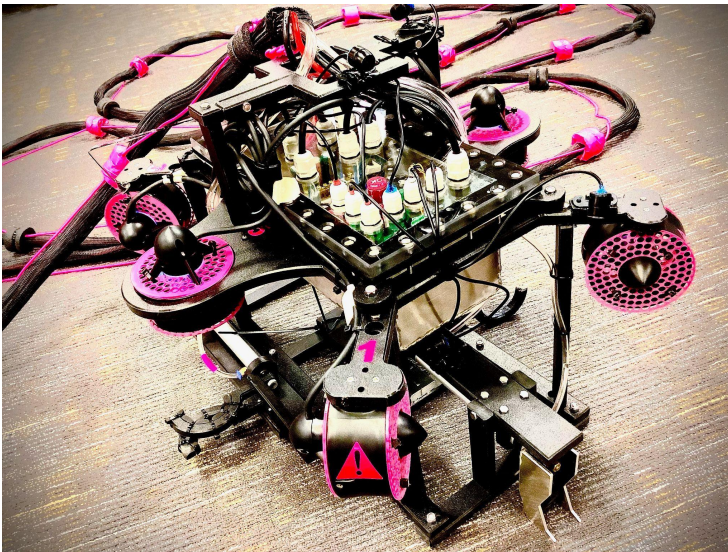


Company Name: HAWKS Engineering
School Affiliation: Hoffman Estates High School
Country: United States of America
Company Competition History: 8 Years
Grade Levels: 9-12
Mentor: Wayne Oras Jr.

H.U.E.R.T.A.



Total Cost: \$3,960.92

Primary Materials: HDPE, Aluminum, and Acrylic
Dimensions: 71cm Length, 53cm Width, 44cm Height
Weight: 15kg

Safety Features:

- No sharp edges
- Thruster Shrouds
- Potential Hazards Labeled
- Voltage Regulator

Special Features:

- Custom Aluminum Housing
- Custom Printed Circuit Boards
- Temperature and Current Sensors

H.U.E.R.T.A. is an ROV designed to help maintain offshore renewable energy stations, stabilize the marine ecosystem, and monitor the ocean's health. H.U.E.R.T.A. has features tailored to coincide with UN goals and the global community. Features include: two pneumatic and two stationary manipulators; six cameras; a hydrodynamic frame; and a robust electrical system.



(From left to right)

Company Members:

Armando Huerta - 9th Grade - 1st Year
Manufacturing Engineer, Tether Manager

Vanessa Huerta - 12th Grade - 4th Year
CEO, Pilot, Software / Electrical Engineer

Justin Du - 11th Grade - 1st Year
CFO, Co-Pilot, Documentation / Safety Manager

Melanie Rodriguez-Huerta - 10th Grade - 1st Year
Fluid Power Engineer, Tether Manager

Tagline: If it was easy, everybody would do it.

Home State: Illinois

Distance Traveled:

MATE International ROV Competition - 3,246 km

Total Hours: 1,405 hours