**HEPHAESTUS ROBOTICS**

**COMPANY SPEC SHEET**

**TEAM BACKGROUND**

Top Row (L to R): Ben Hillard, Max Herrera, Andrew Sylvester, Om Shastri, Xander Coomes  
Not Pictured: Anderson Bibbey.  
Photo Credit: Tim Madsen

**Company Name:**  
Hephaestus Robotics  
**Organization Name:** X-Academy  
**Location:** Santa Cruz, CA USA  
**Distance traveled to Competition:** 28 km

**History:** Third year competing in MATE. Team first competed in the 2020-21 season and placed 7th in the Telepresence Category at the World Championship. Competed the next year in the 2021-22 season and placed third regionally.  
**Grades and Schools Represented:**  
9th-12th grade, 5 schools - Kirby, Pacific Collegiate, Los Gatos High School, Cieba, Santa Cruz High

**TALOS III SPECIFICATIONS**

**ROV Name:** Talos III  
**Total Cost:** $5,591  
**Weight:** 14.3kg  
**Dimensions (LxWxH):** 61 cm x 56 cm x 41 cm  
**Tether Length:** 15m  
**Student Hours:** 800 hr  
**Safety Features:**  
Strain relief, neat wiring, 3D printed shrouds on both sides of thrusters, 25A fuses, watertight compartments, valves for pressure testing, labels.  
**Special Features**  
3D depth sensing camera, custom PCB, on-board Ethernet switch, two on-board Raspberry Pi computers video & control signals over IP network.  

Photo Credit: Kai Herbst