



History of Participation:

Returning team with four years of MATE experience, including three years at the World Championship.

Special Features:

- 6 T200 thrusters
- In-house 3D printed components
- User friendly control box
- Structured, durable design

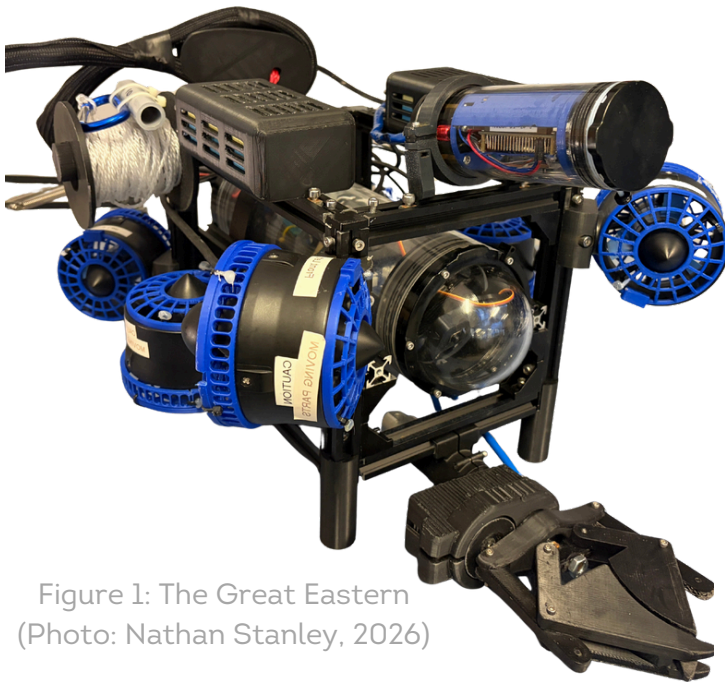


Figure 1: The Great Eastern
(Photo: Nathan Stanley, 2026)

Safety Features:

- 3D-printed shrouds on thrusters to meet IP20 standards.
- Labeled pinch points and moving parts such as the claw.
- Sealed electronics housing with epoxy-potted wire exits for waterproofing.
- Sanded frame edges for safe handling.
- Active tether management to reduce tripping hazards and improve control.

Specs:

Build Time:	Cost:
300+ hours	\$5000
Weight:	Length:
9.5kg	630mm
Width:	Height:
410mm	360mm

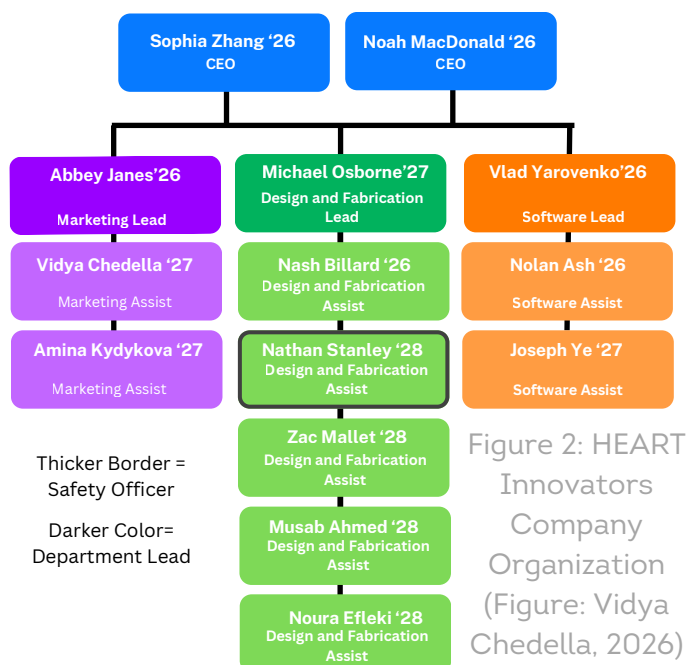


Figure 2: HEART Innovators Company Organization
(Figure: Vidya Chedella, 2026)



Back Row, (L-R): Joseph Y., Vidya C., Nolan A., Nash B., Vlad Y., Amina A., Michael O.
Front Row, (L-R): Musab A., Nathan S., Sophia Z., Noah M., Abbey J., Zach M.

Figure 3: HEART Innovators Company Photo.
(Photo: Cole Murphy, 2026)