

Triton Robotics
(Team #TBD)
Spec Sheet
MATE World
Championship
June 19-21, 2025

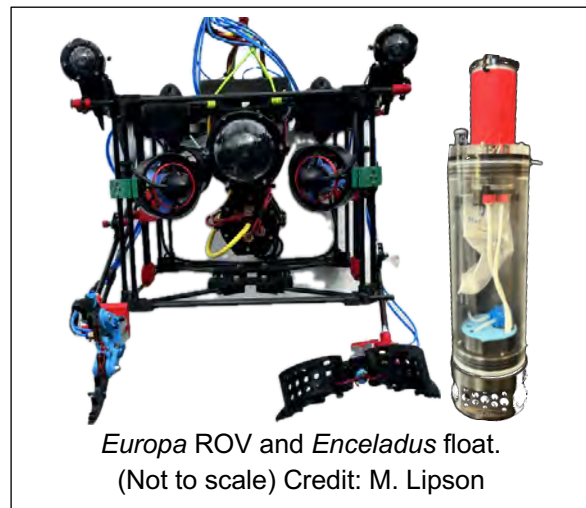


Company name: **Triton Robotics**
Organization: Triton Robotics (Community Team), Seattle, Washington, USA
Distance travelled: 3040km
MATE history: Third-year team. 7 members: 4 returning from 2024; 3 new.

Team Members (left to right in photo above):

- Simon Hajduk Software and Analysis
- Sterling Howe Outreach and Marketing
- Miles Lipson Safety Officer & Pilot
- Griffin Fisher Mission Specialist
- Thomas Gust Co-Founder, CEO, Software Lead
- Tenzin Larkin Co-Founder, Chief Engineer
- Theo Lipson Chief Operations Officer

Grade range: 10th grade (all)



ROV Name: **Europa**
Total Cost: \$4630
ROV Size: 0.66m (L) x 0.47m (W) x 0.34m (H)
ROV Weight: 12.8 kg (mass); 125 N (weight)

Float Name: **Enceladus**
Float Size: 0.123 m (max diameter) x 0.498 m (H)
Float Weight: 3.7 kg (mass); 36 N (weight)

Student hours: 2137 student hours
Safety features: 25A main fuse; In-frame and shrouded motors; Strain relief; Emergency vents for pneumatics; Protected moving parts; No sharp edges; Float pressure relief; Float fuses.

Special features: Balanced 6 vector thrust design with adjustable thrust vector; Strong but light carbon fiber frame; Driver's + 3 additional (including wide-angle) cameras; 2 custom grippers on vertically moving arms; Multiple electronics containers for expansion; Precision float buoyancy engine.