

AquaCard, Inc.
Melvindale High School
Melvindale, Michigan

Distance Traveled:
2762 km



Andrew Barron
Pilot
3rd year competing
12th grade



Brandon Foster
Mechanical Engineer
3rd year competing
12th grade



John Felt
Electrical Engineer
3rd year competing
12th grade



Nick Kean
CEO/Tech Report/Poster
3rd year competing
12th grade



2013

MATE

International

Competition

ROV Specifications:

ROV Name: Tactical Research and Inspection Tool for Oceanic Navigation (TRITON)

Total Cost: \$2,502.91

Primary Materials used: Aluminum and Polyvinylchloride tubing

Approximate dimensions (L×W×H): 69.2 cm × 53.1 cm × 62.3 cm

Total weight (in air): 14.2 kg

Safety Precautions: Shrouds on all propellers, plastic propellers, 25A fuse, and electrical components are wrapped in liquid electrical tape and heat shrink

Special Features: Payload device, light weight frame, High Powered Sea-Botix BTD-150 thrusters, and 3 cameras for complete frontal view

“Innovate Today, Discover Tomorrow!”