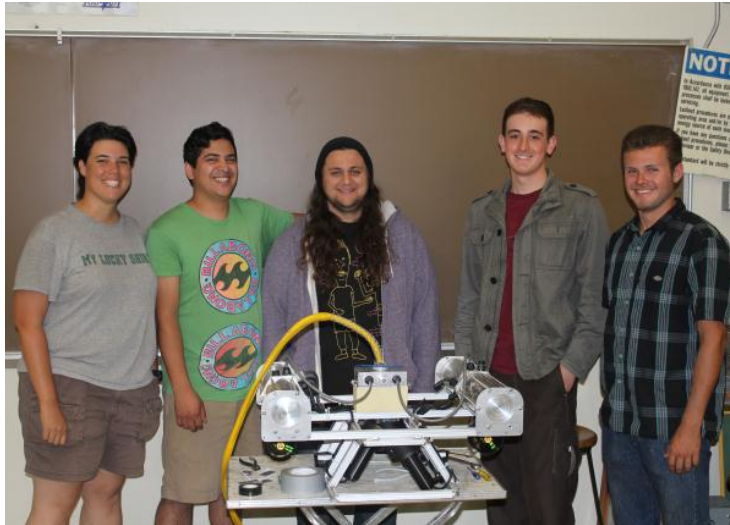




Long Beach City College
Long Beach, California

Company Name: Viking Exploration and Recovery
Distance Traveled: 3535 km on a bearing of 89.4
Years Participating: Eighth year



Team Photo: Left to Right, Tara Willis, Joshua Reyes, Yasin Khalil, Stephen Estrin, William Courduff

ROV: H.A.M.M.E.R.

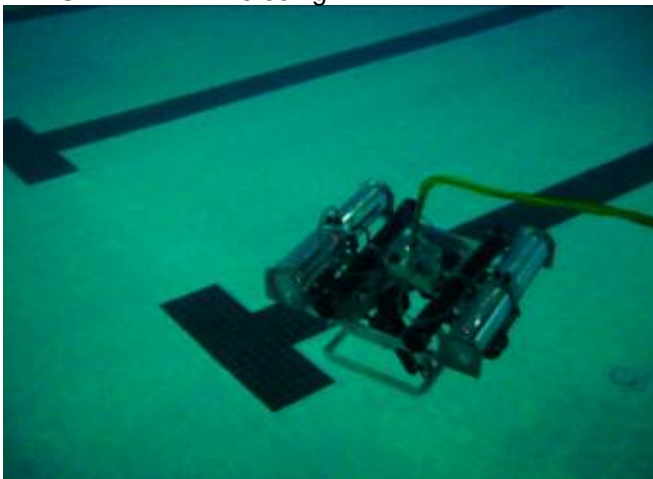
TOTAL COST:

Reused Items:	\$4,697.93
Donated Items:	\$3,020.52
Purchased Items:	\$2,432.28

PRIMARY CONSTRUCTION MATERIAL: Welded Aluminum Extrusions, Aluminum, and Acrylic.

APPROXIMATE DIMENSIONS:

Mode 1: 34.3cm wide x 29.2cm high x 53.3cm long.
WEIGHT IN AIR: 16.63 kg



Company employees:

- Eric Frantz* – 2nd year Electrical, Design Director
- Heidi Park* – 2nd year Engineering, Project Manager
- John Millar* – 1st year Chemistry, Secretary
- Joshua Reyes – 1st year Electrical, CIO
- Mike Marin – 2nd year Electrical, Director of CAD
- Stephen Estrin – 2nd year Electrical, CFO
- Tara Willis – 1st year Electrical, Production Admin.
- William Courduff – 2nd year Electrical, Production Coord.
- Yasin Khalil – 3rd year Engineering, CEO

*Unable to attend the competition

ROV SPECS

SAFETY FEATURES:

1. 40A Circuit Breaker
2. Integrated propeller shields on the thrusters
3. Chamfered corners on frame

SPECIAL FEATURES:

1. Modular Frame for versatility, and piloting adjustments.
2. Open frame design for increased water flow and speed
3. Unique oil removal device capable of drilling then extracting toxic material.
4. Vectored vertical thrusters for increased maneuverability.
5. Easy access to all electronics through the acrylic tubes on either side.
6. Cage surrounding electronics housing to protect from damage.
7. Status display instantly shows operational status of the ROV.