



# D.A.R.T.

DREXEL AQUATIC ROBOTIC TECHNOLOGIES

## SPEC SHEET



Hometown: Philadelphia, PA, USA  
 Estimated Travel to Federal Way, WA: 4,608 km  
 Year Competing: First Year  
 Members: College Freshmen - Senior



*DART Company photo; taken by Jonah Levin*

Name	Role	Year
Prem Patel	Chief Executive Officer	3
Jose Arguelles	Chief Operating Officer	3
Shaun Sebastian	Chief Financial Officer	3
Sarah Larkin	Financial/Data Department	3
Jacob Joseph	Marketing Design Lead	3
Paula Klichinsky	Lead Electrical Engineer	3
Arjun Pillai	Electrical Department	3
Jay Dave	Electrical Department	2
Andy Huang	Electrical Department	3
Adam Schiavone	Lead Software Engineer	3
Adam Feldscher	Software Department	3
Louie Feldman	Lead Mechanical Engineer	3
Nate Albuck	Mechanical Department	3
Jordan Singer	Mechanical Department	3

### Dual Layer Design:

Body - electronic housing and bouyancy system  
 Shell - sectional clamps and motor mounts

### Electronics:

Centralized electronic system  
 Pan and Tilt camera system  
 Inertial Measurement Unit (IMU)

### Software:

Fully digital  
 Industry standard design patterns  
 User-friendly GUI

### Safety Features:

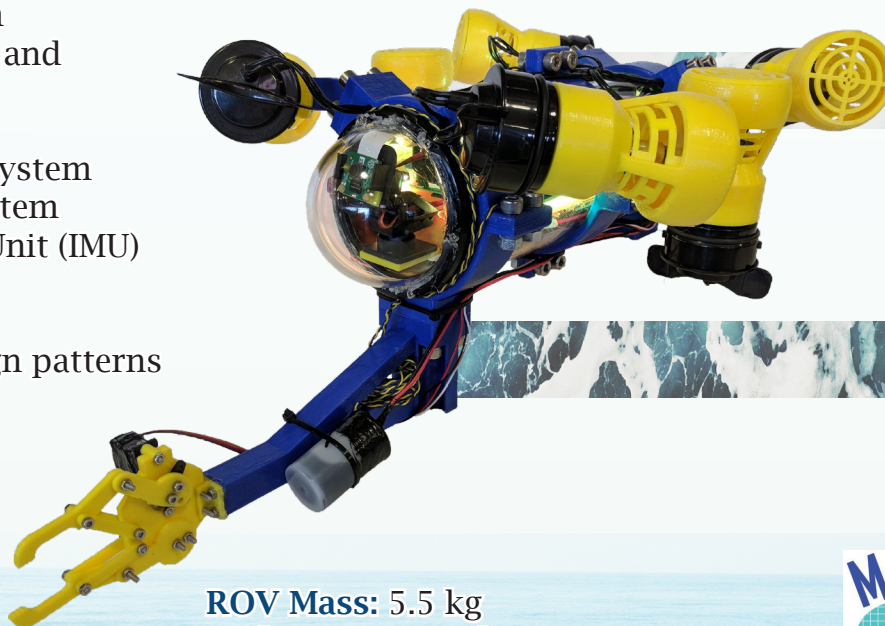
Shrouded thrusters  
 Strain relief on tether  
 LED indicators

### Special Features:

Semi-autonomous  
 Dual-zone cameras  
 6 DoF movements

# A.D.A.M. ROV

AQUATIC DIAGNOSTIC ACQUISITION MEASUREMENT



ROV Mass: 5.5 kg  
 Tether Mass: 2.2 kg  
 Dimensions (mm): 457.2 X 381 X 254  
 Material: Polylactic Acid (PLA)  
 Total Hours to Build: 2,500+  
 Total Cost: \$1,559.00

