

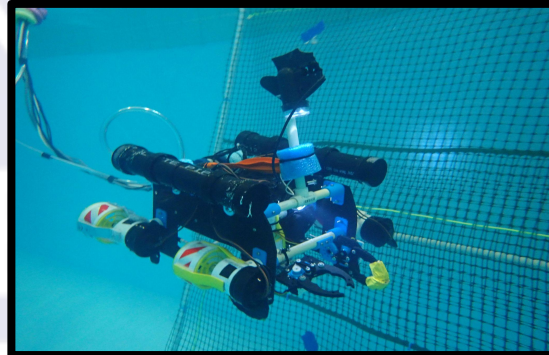
# HMS SeaBots

Harrington Middle School, Mt. Laurel, NJ 08054 U.S.A.

- First year Ranger Team
- 8th grade students
- Distance traveled to CA: 2,741.6 miles



**HMS Ranger Team**  
Photo credit: M. Barrett



**HMS Polaris in Action!**  
Photo Credit: Krithik

**Meet  
HMS  
Polaris**

Krithik Alluri Pilot Lead Software Engineer	Coco Serenbetz Lead Electrical Engineer	Samyak Surana Lead Mechanical Engineer	
Amogh Biradar, Software Engineer Operation Manager	Nithilan Rengapragash, Co-Pilot Software Engineer	Akanksha Prakash Electrical Engineer	Harleen Walia Tether manager Electrical Engineer
Akshaj Sama Job Safety Officer Mechanical Engineer	Karolina Wisniewski Chief Financial Officer Electrical Engineer	Kristin You Chief Financial Officer Mechanical Engineer	
Gabriel Sobol Mechanical Engineer	Shahood Alvi Software Engineer	Jessica Yao Electrical Engineer	
Aanya Chanda Electrical Engineer	Prisha Parekh Electrical Engineer	Nikhil Venkatachalapathy Mechanical Engineer	

<p><b><u>Special Features</u></b></p> <ul style="list-style-type: none"> <li>➤ Two grippers: One stationary and one dual action gripper (180° rotation)</li> <li>➤ 4 cameras</li> <li>➤ Photo mosaic technology</li> <li>➤ AI Image recognition technology</li> <li>➤ Vertical profiling float</li> <li>➤ Variable ballast system</li> </ul>	<p><b><u>Safety Features</u></b></p> <ul style="list-style-type: none"> <li>➤ Shrouds with thruster guards</li> <li>➤ Warning tape on shrouds</li> <li>➤ Kill switches</li> <li>➤ In-line fuses</li> <li>➤ Strain reliefs</li> <li>➤ Voltage regulator</li> <li>➤ Watt meter</li> </ul>	<p><b><u>HMS Polaris Specs</u></b></p> <ul style="list-style-type: none"> <li>➤ ROV and Travel Cost: \$27,816.81</li> <li>➤ Size: 45cm x 40cm x 44cm</li> <li>➤ Weight: 4.5kg</li> <li>➤ Hours to build: 14,960</li> </ul>
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