

HYDRO-DEVELOPMENT SYSTEMS, INC.

Nautical Capability Craft 1701

Robot Dimensions	1.0 m x 0.61 m x 0.7 m
Robot Cost	\$2,299.76
Primary Materials Used	PVC, Plastic, Metal Alloy, and Aluminum
Weight in Air	16.33 kg
Safety Features	The motors on the robot are clearly marked as dangerous. The cameras have a front, back, and side view around the robot; this allows the pilot to always be aware of the robot's surrounding. The wires are made water resistant, which will prevent any electrical mishaps. No sharp surfaces are left uncovered.
Special Features	This year's robot has employed a facility similar to an erector set; this allows us to attach and detach almost anything to the robot. 4 Cameras; upward and downward thrust motors situated symmetrically on all sides of the robot.

- This is Coppell High School's official MATE team.
- The team is competing internationally for the first time. We competed at the regional level in 2008, 2009, 2010, and 2011.
- The International Competition in Houston is about 300 miles from our school, which is located in Coppell, Texas.
- Our team has members from the grade levels of 9 to 12. The majority of students are seniors.



Bottom, From Left to Right: Laxmi Dongur (Production Engineer), Sarah Hawman (Safety Inspector), Mackenzie Hitz (Marketing Representative), Zane Holmstrup (R&D Technician), James Williams (Lead Design Engineer).

Top, Left to Right: Tara Scott (Director of Marketing), Mikayla Wensel (Design Engineer), Connor Wilkinson (Lead Production Engineer), Travis Huffmaster (CFO/ Director of R&D), Evan Hawman (Project Manager), Michael Streitweiser (Design Engineer), Hunter Heaton (CEO/Electrical Lead), Bill Montana (Director of Human Resources).

Not Pictured: Mark LeGros (R&D Technician)