



Valor Maritime International Beaverton, Oregon 162 miles from Beaverton to Federal Way, WA

Valor Maritime International (VMI) is excited to compete at the 2018 International MATE Competition. We are from the Oregon Regional MATE. Our incredible team has 2 returning freshman and one junior to MATE. We are also excited to add three new juniors to the competition. These new perspectives have helped to energize our company to new designs and ideas.



(From left to right)
Jacob Suarez, 11th: Pilots
Bret Corrigan, 9th: Chief Engineer
Meaghan Giard, 11th: CFO (Chief Financial Officer)
Amber Wootan, 11th: CEO (Chief Executive Officer)
Chloe McConnell, 11th: CMO (Chief Marketing Officer)
Mekiah Smith, 9th: CTO (Chief Technical Officer)

Robot's Name: Galia

Total Cost of Robot with donations: \$3,030

Total Hours Spent:

- 6 hours drafting designs
- 54 hours designing on CAD
- 35 hours constructing the robot

Total hours spent: 95 hours

Size: 40.6 cm by 53.5 cm by 29.2 cm with the claw

Weight: 9.1 Kilograms



Our Robot has amazing Safety Features including:

Shrouded and guarded Motors, Rounded corners for safety, and Proto Putty covered claw for soft edges, Our robot also has a top-side control box so electronics can not be dragged into the water, safety seals around the electronics in the water, and a fuse on the power line.

Special Features: With 3 tiered design our robot is flexible and can be adapted easily. We also have a pneumatic claw perfect for picking up items. The pneumatic claw is positioned on the base of the robot, so that items can be retrieved without manipulating the robot. We have a unique game controller design that makes it easy to pilot. We used a lightweight Lasercut Delrin frame that makes customization easy.

