

SPEC SHEET

RoseVG Robotics

For Rose-Hulman Institute of Technology

Terre Haute, IN, USA

Returning Competitor Travelling ~4000km



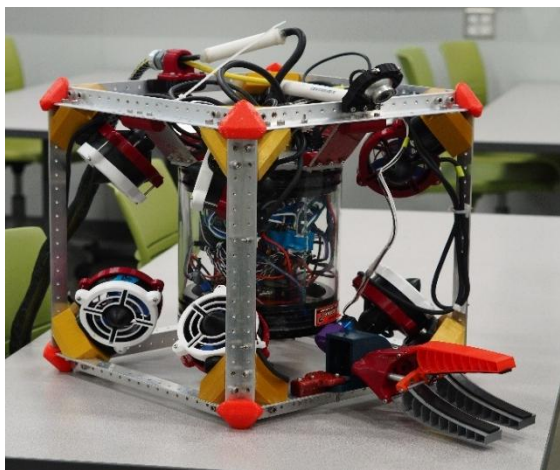
Members and Roles:

26' Kevin Cotelleso | CEO | Mechanical
 28' Lenore Barczewski | CIO | Mechanical
 27' Kayla Kissoondial | CFO | Mechanical
 29' Santiago Lema | Mechanical
 29' Claire Slusser | Mechanical
 29' Alexander Drumright-Frost | Mechanical
 26' Connor Luce | Mechanical
 26' Steven Reese | Electrical
 28' Kyra Zhou | Software
 28' Alex Miranda | Float
 27' Hadley Jessop | Float
 28' Benjamin Sutton | Float
 28' Samuel Geelhood | Float
 28' Amelia Jaracez | Float
 29' Tristian Schartman | Float
 26' Peter Fields | Float

Figure 1: RoseVG Team Picture at Their Center of Operations: the Kremer Innovation Center.

Mentor: Dr. Nathan Brooks

ROV Specs



Total Cost: \$5,540

Time Invested: 600 student-hours

Description:

Cubert is a 42x42x42cm, 14.5kg omnidirectional ROV designed to complete various tasks for the MATE underwater robotics competition. Following our design principles (see Design Document), Cubert includes various practical features like a compliant gripper, a symmetric and modular chassis, and easy cannister access; and various safety features like corner protectors, rounded edges, and a soft-body gripper.

Figure 2: Cubert in a classroom setting.