# Crusader Robotics

**Company Name:** Crusader Robotics  
**Location:** Brother Rice High School, Chicago, IL, U.S.A  
**Spec Sheet:**

## Company Specs
- This is Crusader Robotics 4th year competing in the MATE ROV RANGER Competition and third year competing in the international competition.
- 500 Total hours were put into building Edmund Mk.IV
- Total Cost: $1500
- Distance from international competition: 2075.8 miles or 3340.7 km

## Company Spec Sheet

### ROV Specs
- ROV name: Edmund Mk. IV  
- Size: 32cm x 32cm x 34cm  
- Weight: 9.12kg  
- Safety Features: Shrouding, 20 amp fuse, no sharp edges, warning label for pinch point, solder joints waterproofed with hot glue and shrinkwrap, tether thimble, and safety checklist.  
- Special Features: Claw with gear mechanism, dynamic buoyancy system, RFID card, two camera system,

### Name | Robotics Title | Future Career Goal | Grade
---|---|---|---
Jack Clisham | Idea Generator | Engineer | 11th
Liam Coughlin | VP of Mechanical Eng. | Aerospace Eng. | 11th
Andrew Cwik | Idea Generator | Engineer | 10th
Tyler Davros | Camera Researcher | Engineer | 10th
Conor Durkin | Prop Builder | Engineer | 9th
Charles Dvorak | VP of Electrical Eng. | Computer Hardware Eng. | 11th
Brian Gidney | Prop Builder | Engineer | 9th
Nolan Greene | Idea Generator | Computer Hardware Eng. | 11th
Gabe Gutierrez | Prop Master | Engineer | 9th
Nick Kaminski | Engineer | Aerospace Eng. | 11th
Malcolm Kindle | Engineer | Electrical Eng. | 11th
Jack McBrearty | VP of Mechanical Eng. | Biomedical Eng. | 12th
Brian McCann | Idea Generator | Engineer | 9th
Matt McCormick | Mechanical Eng. | Biomedical Eng. | 12th
James McManus | VP of Mechanical Eng. | Automotive Eng. | 12th
Frankie Mesec | Idea Generator | Engineer | 10th
Nicolas Perez | Buoyancy Director | Engineer | 12th
Ryan Rice | Engineer | Engineer | 10th
Gabriel Valles | Prop Builder | Civil Eng. | 9th
Austin Veal | Prop Builder | Computer Science | 9th
Pat Walsh | CEO | Firearms Eng. | 11th
Vince Zampillo | VP of R&D | Engineer | 12th