

245

“Arabella”

AdamBots

Autonomous

- Move across baseline
- Gear placement at any lift

Gear & Climbing

- Human Player gear loading
- Ability to place gear on any lift (Driver assist controls)
- Ability to place gear on the lift without pilot intervention
- 10 second full climb

Fuel Control

- Ability to collect fuel from the playing field
- Ability to trigger the side hoppers
- Low boiler deposit at a rate of 4 fuel/sec
- 7 second load full low goal scoring

Controls & Programming

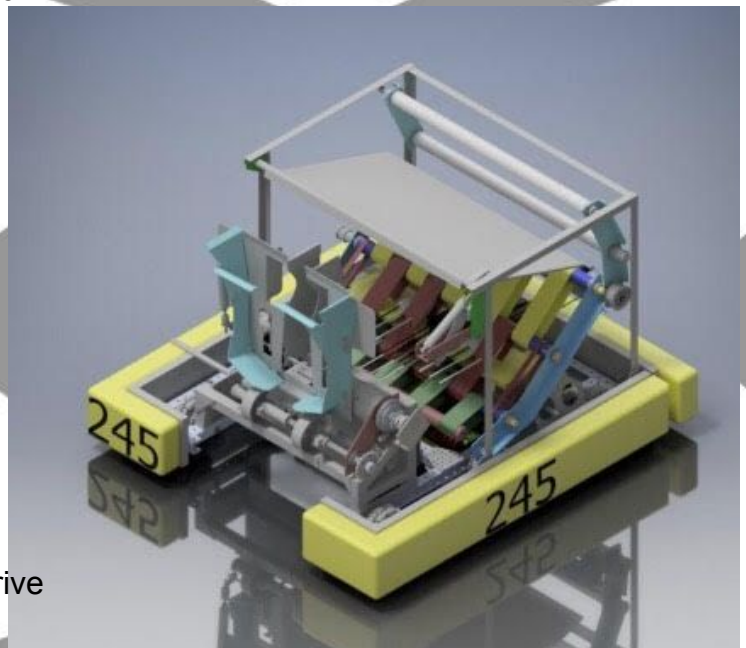
- Camera system for driver assist
- Vision Processing for gear placement
- Programmed in Java

Drive Team / Pit Crew

- Dedicated Pit Crew
- Experienced Drive Team
 - (4 Sr., 2 Jr., 2 Soph.)
- Established scouting methodology

Chassis & Drivetrain

- Custom chassis design with 6-wheel drive
 - 4 Traction Wheels
 - 2 Omni Wheels
- 4” wheels
- Dual CIM Motor transmission for each side
- Two speed transmission ~ 15 ft/sec in high gear and 5 ft/sec in low



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Awards Quick Facts

- 52 FIRST Awards
- 2 FIRST Chairman’s Awards
- 1 FIRST Woodie Flowers Award
- 9 FIRST District/Regional Championships
- 1 FIRST Division Championship (and Einstein appearance)
- 92 OCCRA Awards
- 5 OCCRA Foundation Awards
- 4 OCCRA Championships
- 3 OCCRA Women’s Tournament Championships

Team Quick Facts

- Rookie year 1999
- 24 Mentors
- 72 Students
 - 30 returning / 42 new students
 - 52 Boys /20 Girls

Thank you to our sponsors!



FIRST Awards

2016

- Semifinalist- Waterford District
- Quarter Finalist – Centerline District
- Dean’s List Finalist – Megan – Centerline District
- Entrepreneurship Award – Centerline District
- Entrepreneurship Award – Queen’s City Regional
- Champion – Queen’s City Regional
- Dean’s List Finalist – Megan – Michigan Championships

2015

- Chairman’s Award – Traverse City District
- Champion – Traverse City District
- Imagery Award – Howell District
- Semi Finalist – Howell District