

Cadillac Connectors Robotics 5086 | April 17, 2017

# ROBO TIMES



## For The *FIRST* Time EVER In Cadillac Connectors History, We Are Going To Worlds!!!

*"Competition for the sake not of destroying one another, but for the sake of bettering and improving both competitors as a result of the competition" ~Woodie Flowers: cofounder of FIRST*

### After a nail-biting wait we found out the good news: We Are Going to Worlds!!!

SAGINAW STATE VALLEY UNIVERSITY- After a painstakingly long day of waiting we finally got the news. By a narrow margin of 5 spots the Cadillac Connectors 2017 Robotics Team is going to Worlds!!!!

To go to Worlds a team must place in the top 80 spots. These spots are determined by a team's overall ranking throughout the entire season, which is decided by points earned in multiple ways. Points are earned by things such as qualification match performance, where you are picked in alliance selection, how well you do in finals, earning any awards, etc. Rookie and second year teams also receive a bit of a boost, to encourage them moving on. Points are given the same way at districts (states), only those from states are tripled before being added to your final amount.

We placed 75th out of the 160 teams that competed at states and out of the 451 teams in Michigan. During states we scored 51 points: 36 in qualification matches, and an additional 15 for winning the Entrepreneurship Award. This combined with our 99

points won at our previous Kettering and Traverse City events to give us 150 points for the season, just enough to edge us to victory! We are extremely excited to be granted this opportunity to continue our season!

### It's not just the robot that's competing.

Our NEMO (Non-Engineering Electrical Mechanical Organization) is just as important as our EMO (Electrical Mechanical Organization) team. Without them we could have never organized our funds, spirit wear and shirts, and achieved the level of organization and outreach our team has today.

At States the business team of McKinsey Crozier, Leif Olson, Andrew Peters, Alex Whipple, Shannon Metzger, Josh Jacobson, and mentors Renata Olson and Jim Jakubos competed for the Engineering Inspiration Award. This award is presented to the team that "Celebrates outstanding success in advancing respect and appreciation for



Posing in front of the airship.



Our drive team is captivated by the competition.

### We made it, but we are not quite ready.

The registration costs of \$4,000 have been paid, but there is still the costs of lodging, food, and travel. An estimation of \$10,000 would allow our team to travel to the World competition in St. Louis.

We are reaching out to all, resources in the community to help meet this goal. Many of the local business have generously supported our team, but in order to meet this goal we are asking all other people in our community. All donations are welcome.

Checks please be made out to Cadillac Area Public Schools (earmarked robotics team). Any questions please contact us at [frcteam5086@gmail.com](mailto:frcteam5086@gmail.com)

-Thank You!



Back: Mentor Jim Jakubos Front (left to right): Leif Olson  
McKinsey Crozier, Shannon Metzger, Andrew Peters, Josh Jacobson,  
and Alex Whipple.



Our team gets all spirited up

engineering within a team's school and community." Our team presented to judges off site from the competition field about the extent to which our team has branched out into our community, gotten involved in the FIRST program, and grown.

Additionally, our team won the Entrepreneurship Award. According to FIRST, the team graced with this award "Celebrates the entrepreneurial spirit by recognizing a team that has developed the framework for a comprehensive business plan to scope, manage, and achieve team objectives." To win this award, Marketing captain McKinsey Crozier has been hard at work creating a team business plan and organizing our team's structure and funds with help from fellow connector Kayla Whipple and mentor Renata Olson.

We would all like to send a huge thanks out to Mr. Jakobus, Mrs. Olson, and Ms. Host for putting in so much time and effort into helping us with these awards!



## Calendar:

Thursday April 20th: Cyber Seniors  
Connectors will help educate our Seniors at the center on Computer usage  
Wednesday- Saturday April 26-29: World Championship Address: Edward Jones Dome, 901 N Broadway, St. Louis, MO 63101

**Visit our website:**  
[connectors5086.org](http://connectors5086.org)  
**And social media to see all our wacky competition pictures and videos!**  
[@Team5086](#)



## Robot Performance

By Joshua Jacobson

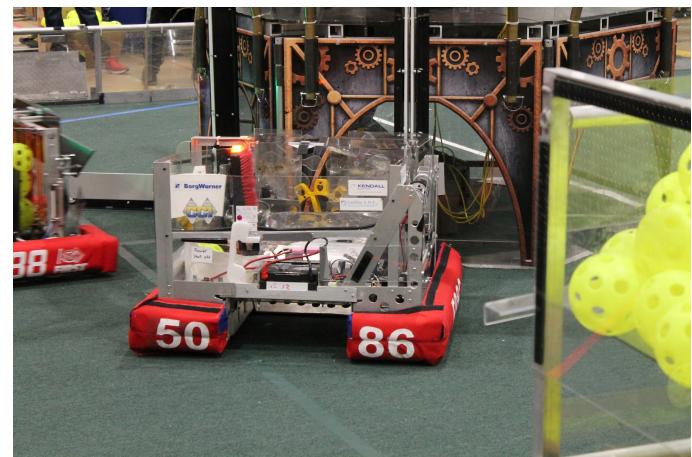
Things were looking bleak. The Connectors had just lost their third match in a row, placing our win-loss record at 3-5 and moving us down to 33rd out of 40 teams on the DTE Field (One of the four competition fields at states).

We took to the pits to fix what had gone wrong with our robot. The previous two rounds, our main breaker had tripped and shut down our power to the entire robot. One new breaker and several other improvements later and we were ready to compete again.

As we rolled onto the field for the last four of our qualification matches, the entire team felt uneasy. We just lost a whole lot of points and a decent chunk of our reputation. Could we earn it back?

The next four matches sailed by with decisive victories from the Cadillac Connectors. We ended the Qualifiers with a win-loss ratio of 7-5 and a rank of 22 out of 40 teams.

While our performance this weekend wasn't nearly on par with what we would have liked it to be, we are very proud to be going to St. Louis. If our last four matches are indicative of our future scores in 9 days, we have a good chance of being a quality team at the world championship.



Sidewinder in action.

We would like to thank KFC of Cadillac for filling our bellies before competition; Brenda Jakubos, Renata Olson, Angela Peters, and all the parents who organized food to keep our team happy; Ms Host for all the boards and support she lent to the Business

team; Jim Jakobus and Rexair for printing all our presentation boards; all of our mentors and parents for the countless hours (and headaches) they have sacrificed and dealt with for us; and to the multiple organizations who have agreed to sponsor us:, **Supporters (\$50-200):** Lifetouch, G&D Pizza, Home Depot, Bandeen, Driver's Choice Auto & Truck, Networking Butler, BC Pizza, Canfield Automotive

**Advocates (\$200-500):** Cadillac Computer, Family Eye Care Associates

**Sustaining Sponsor (\$500-1000):** Stagg Machine Products, DK Design, Godfrey Chevrolet, Exxon Mobile, Cadillac ENT

**Executive Sponsors (\$1000-2500):** Rexair, Kendall Electric, Baker College, BorgWarner, Cadillac Casting, Avon Automotive

**Visionary Partners (\$2500+)** Cadillac Area Industrial Group



Everybody celebrates after a hard day of competition.

If anyone you know would like to receive this newsletter, or any from before, email Shannon Metzger at [shametz578@gmail.com](mailto:shametz578@gmail.com). We hope you enjoy! :)