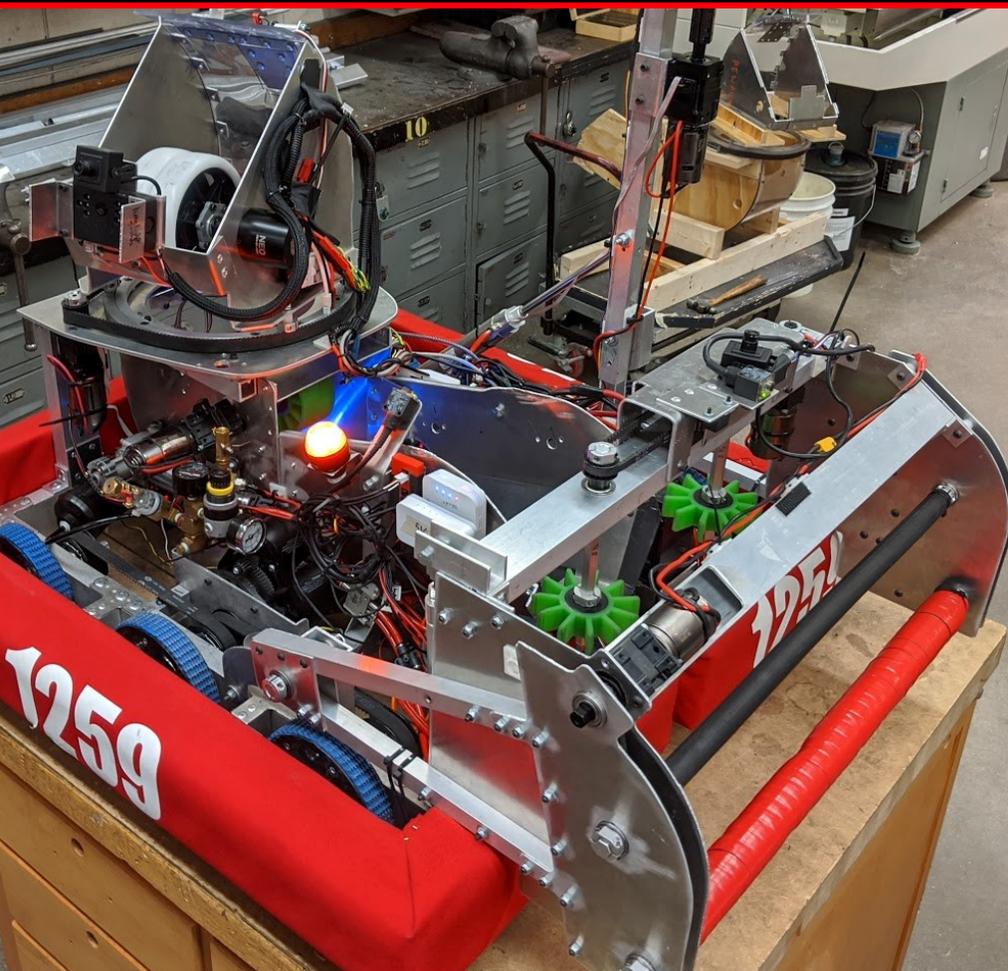




# Paradigm Shift Presents **Scorpio**



We are very proud to reveal our FRC 2020 Infinite Recharge robot, "Scorpio". Our students have worked very hard the past 8 weeks to construct this machine. Scorpio picks up Power Cells off the ground, sorts and stores 5, and can accurately shoot them from up to 25 feet away! We are on our way to Duluth, Minnesota to compete with teams from across the country.

## Upcoming Events

- **March 4-8th Duluth Northern Lights**
  - DECC Arena
- **March 11th 3 -9 pm Bubba's Frozen Custard Fundraiser Event**
  - 1276 Capitol Dr.
- **March 18-21st Milwaukee Regional**
  - Panther Arena



## Subteam Updates

### *Build*

The build team has been very busy the past few weeks as the robot is getting closer and closer to being fully built. Some of the things they worked on included:

- Improving the intake and painted it red and black to match team colors
- Putting together the robot and fully wiring it
- A climber was designed, fabricated, and tested to make sure that it is fully functional.



### *Programming*

The Programming Team has been working hard to improve and automate our robot's code.

- Automatic ball indexing and shooting
- Field-relative positioning
- Tracking balls for easier pickup
- Improved shooter targeting
- Created multiple autonomous programs for the autonomous mode of a match



### *Business*

The business team has been very busy recently because of the upcoming regional in Duluth. A lot of work had to be done to make sure things like lodging and schedule were taken care of. The business team has also been very busy submitting our award recipients to the FIRST organization.





## Recent Events

### *Sussex Mini Regional*

On February 16th, the team participated in the Sussex Mini-Regional. The mini regional was held as a friendly competition between local teams. They simulated real matches with the robots they had built so far. By entering your robot into the mini regional you can learn a lot about how well your robot will do in an actual regional match. The team did well at the mini regional and they learned a lot from the experience.



### *FLL Jr. Expo*

On February 15th, members of the robotics team volunteered for an expo held by the Pewaukee FLL junior teams. Team members did things such as be a judge, lead a robot demonstration, and lead team building games. The expo went very well and the volunteers did a great job.



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