

ID-001

The screenshot shows a web browser displaying the GitHub repository page for 'olentangyfr / ChargedUp-2023'. The browser's address bar shows the URL 'github.com/olentangyfr/ChargedUp-2023'. The repository page includes a navigation bar with links for Platform, Solutions, Resources, Open Source, Enterprise, and Pricing. Below the navigation bar, the repository name 'olentangyfr / ChargedUp-2023' is displayed, along with a 'Public' badge and buttons for Notifications, Fork (0), and Star (0). The main content area shows the repository's file structure, including folders like '.pathplanner', '.vscode', '.wpilib', 'gradle/wrapper', 'src/main', and 'vendordeps', and files like '.gitignore' and 'WPILib-License.md'. The repository is owned by 'ThomasP850' and has 119 commits. The right sidebar contains sections for 'About', 'Releases', and 'Packages', all of which are currently empty.

GitHub - olentangyfr/ChargedUp-2023

Platform Solutions Resources Open Source Enterprise Pricing

olentangyfr / ChargedUp-2023 Public

Notifications Fork 0 Star 0

Code Issues Pull requests Actions Projects Security Insights

main 11 Branches 0 Tags

Go to file Code

File/Folder	Description	Last Update
ThomasP850	Buckeye Competition Changes	3995d87 · 3 years ago 119 Commits
.pathplanner	basic auto alignment	3 years ago
.vscode	update code to compile	4 years ago
.wpilib	update code to compile	4 years ago
gradle/wrapper	update code to compile	4 years ago
src/main	Buckeye Competition Changes	3 years ago
vendordeps	tuning systems	3 years ago
.gitignore	update code to compile	4 years ago
WPILib-License.md	update code to compile	4 years ago

About

No description, website, or topics provided.

Activity

Custom properties

0 stars

3 watching

0 forks

Report repository

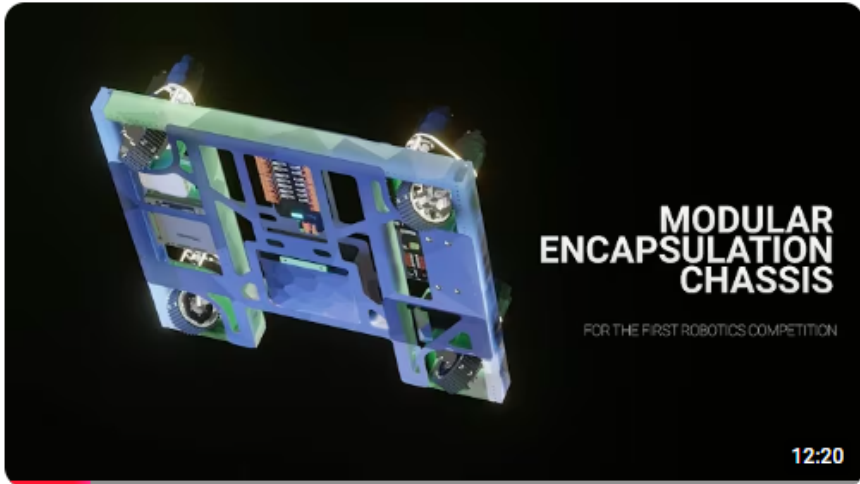
Releases

No releases published

Packages

No packages published

ID-002



## The FRC Modular Encapsulation Chassis

9K views • 2 years ago

 Ozone Robotics | Team 4611

This video dives into our design methodology for creating a competition-ready chassis. As games present unpredictable ...




## The FRC Modular Encapsulation Chassis




Ozone Robotics | Team 4611


182 subscribers

**Subscribe**

 309



 Share

 Save



9,009 views May 25, 2023

This video dives into our design methodology for creating a competition-ready chassis.

As games present unpredictable challenges every year, we hope this brief lesson provides the essential groundwork needed to begin your very own chassis.

ID-003



ID-004





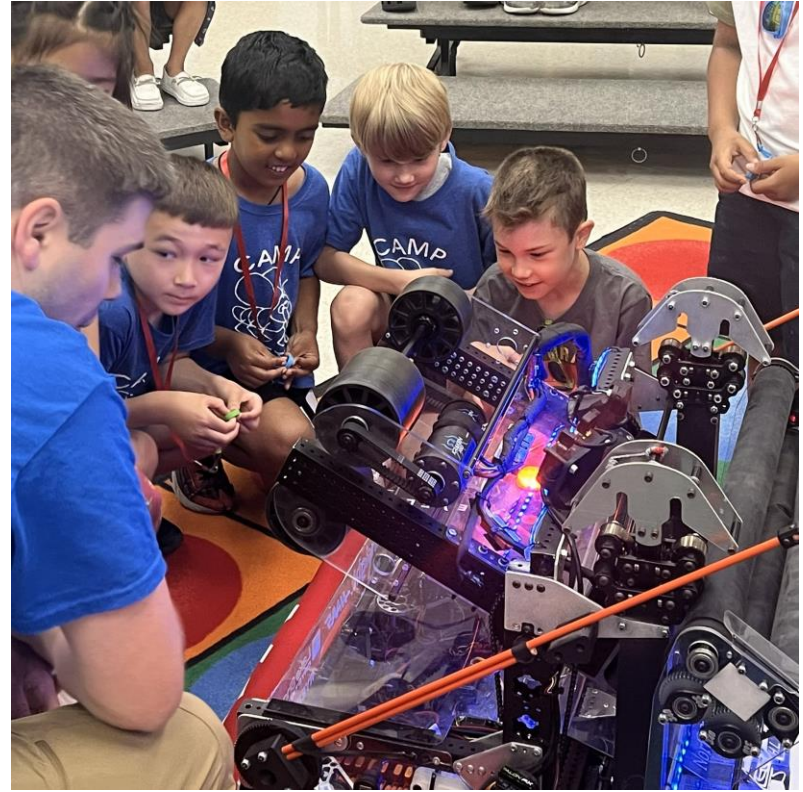
ID-006



ID-007




ID-008:

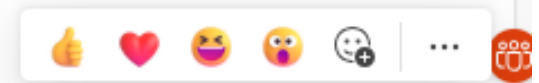


ID-009:



ID-010:

 AB Andrew Bachmann 8/5/2024 12:19 PM

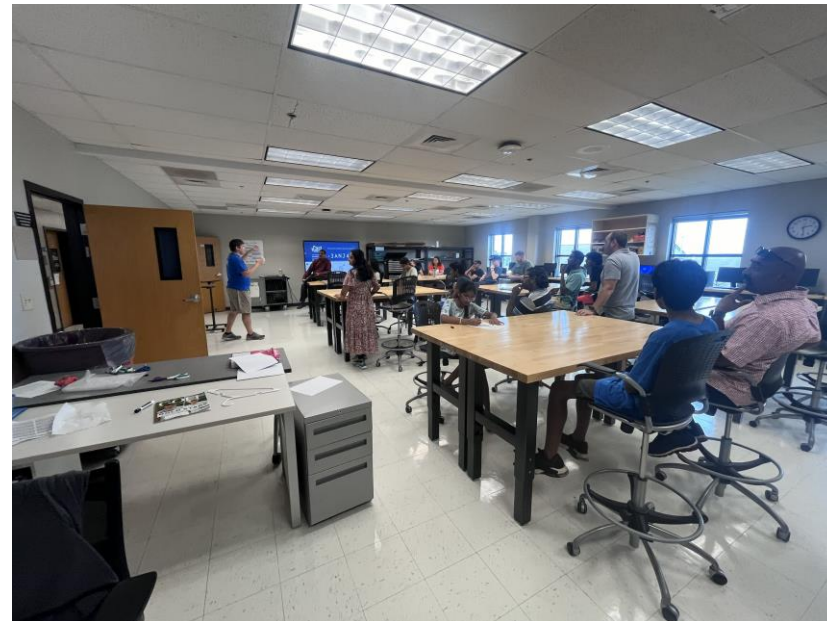
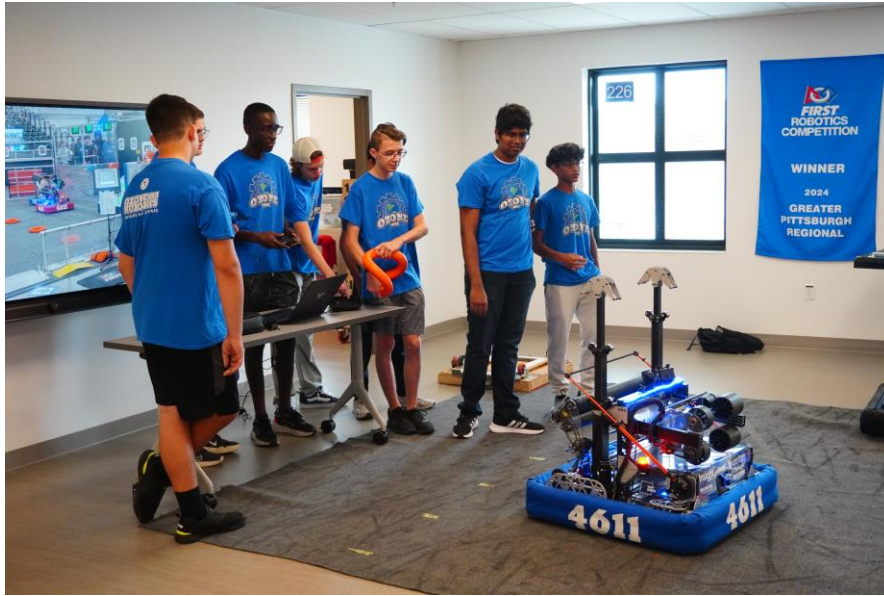


## Move to STEM school and OOHS Freshmen club fair

Hey [OZone Robotics](#). I hope you all have had a great summer. This upcoming Friday-Sunday we should be able to move into our new space at the STEM school (Olentangy Academy). I don't know specific details on when we will be able to do this yet but wanted to put it on your radar because we will definitely need as much help as we can get with the move. Additionally, I signed up for a table at the OOHS Freshman orientation club fair this Friday from 9:30-11:10. I need some people to help set up the table starting at 9 and some people willing to stick around during the fair to talk to interested students. Please reply if you can be available to help with this.



ID-011:



ID-012:



ID-013:



ID-014:



ID-015:



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ID-017:



ID-018:



ID-019:

# Toaster Bot Profile

☰ ToasterBotProfile

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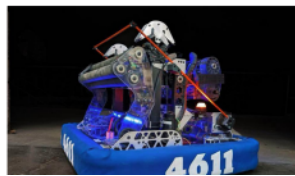
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## 2024 CRESCENDO: "Toaster"



Our 2024 Bot, Toaster, helped Ozone achieve great feats this season. Toaster included a drop-down intake, versatile shooter, and two climbing hooks.



ID-020:



ID-021:

The screenshot shows a GitHub repository page for 'olentangyfr/2024-Crescendo-Code'. The repository is public and has 0 forks and 0 stars. The main branch is 'main'. The repository contains several files and folders, including .pathplanner, .vscode, .wpilib, gradle/wrapper, src/main, vendordeps, .gitignore, and README.md. The repository was last updated 11 months ago. The page also shows navigation links for Platform, Solutions, Resources, Open Source, Enterprise, and Pricing. There are also links for Sign in, Sign up, and Finish setup.

GitHub - olentangyfr/2024-Crescendo-Code

Platform Solutions Resources Open Source Enterprise Pricing

olentangyfr / 2024-Crescendo-Code Public

Notifications Fork 0 Star 0

Code Issues Pull requests Actions Projects Security Insights

main 1 Branch 0 Tags

Go to file Code

**About**

No description, website, or topics provided.

- Readme
- Activity
- Custom properties
- 0 stars
- 2 watching
- 0 forks

Report repository

**Releases**

No releases published

**Packages**

File/Folder	Action	Time
jbfrc	Add files via upload	f4f0d2b · 11 months ago · 4 Commits
.pathplanner	Upload 2024 Crescendo Code	11 months ago
.vscode	Upload 2024 Crescendo Code	11 months ago
.wpilib	Upload 2024 Crescendo Code	11 months ago
gradle/wrapper	Upload 2024 Crescendo Code	11 months ago
src/main	Upload 2024 Crescendo Code	11 months ago
vendordeps	Upload 2024 Crescendo Code	11 months ago
.gitignore	Upload 2024 Crescendo Code	11 months ago
README.md	Update README.md	11 months ago

ID-022:



ID-023:



## 2025 FRC Reveal - OZONE 4611



Ozone Robotics | Team 4611  
182 subscribers

Subscribe

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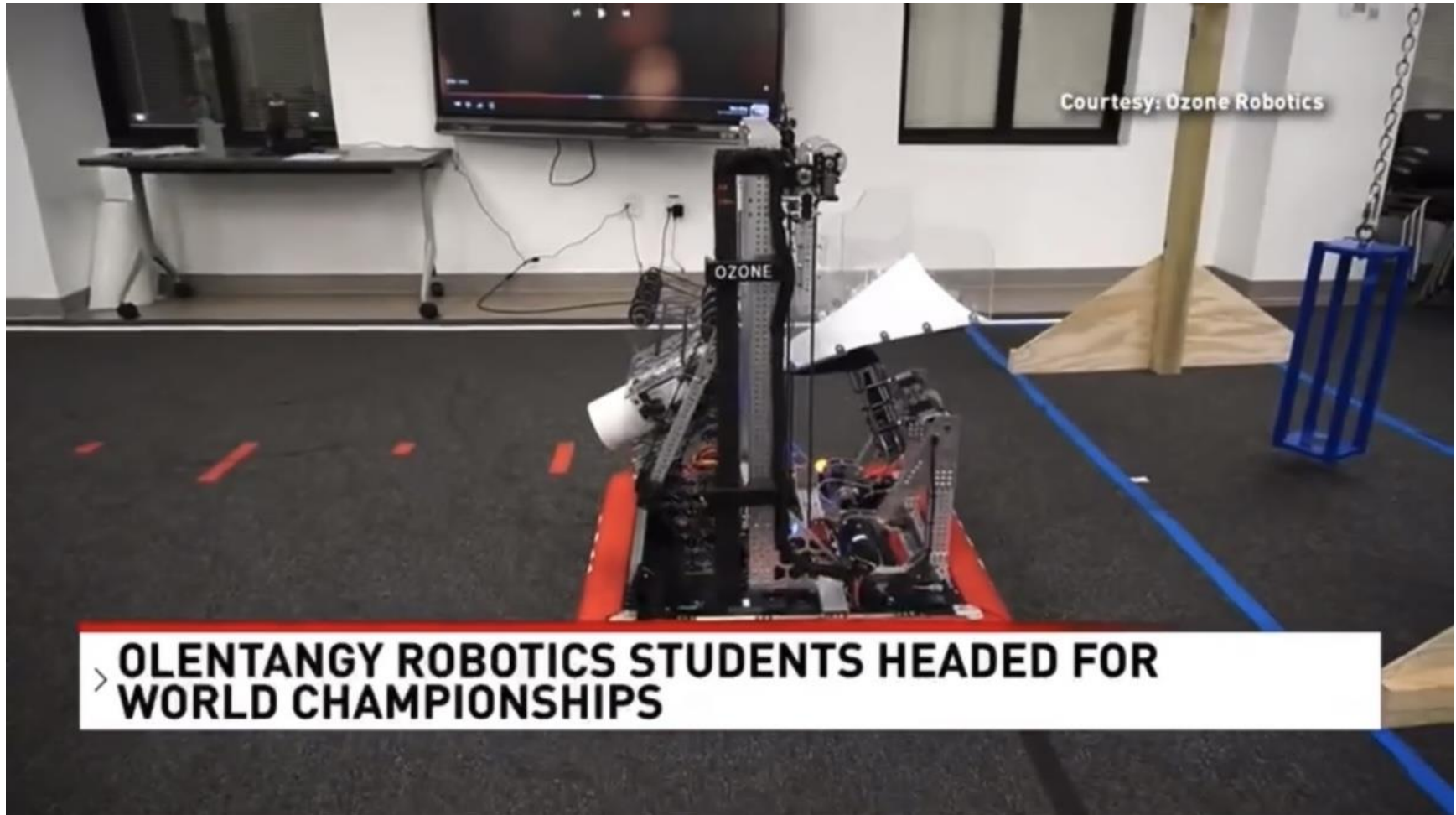
1.7K views 10 months ago

*No description has been added to this video.*

...more



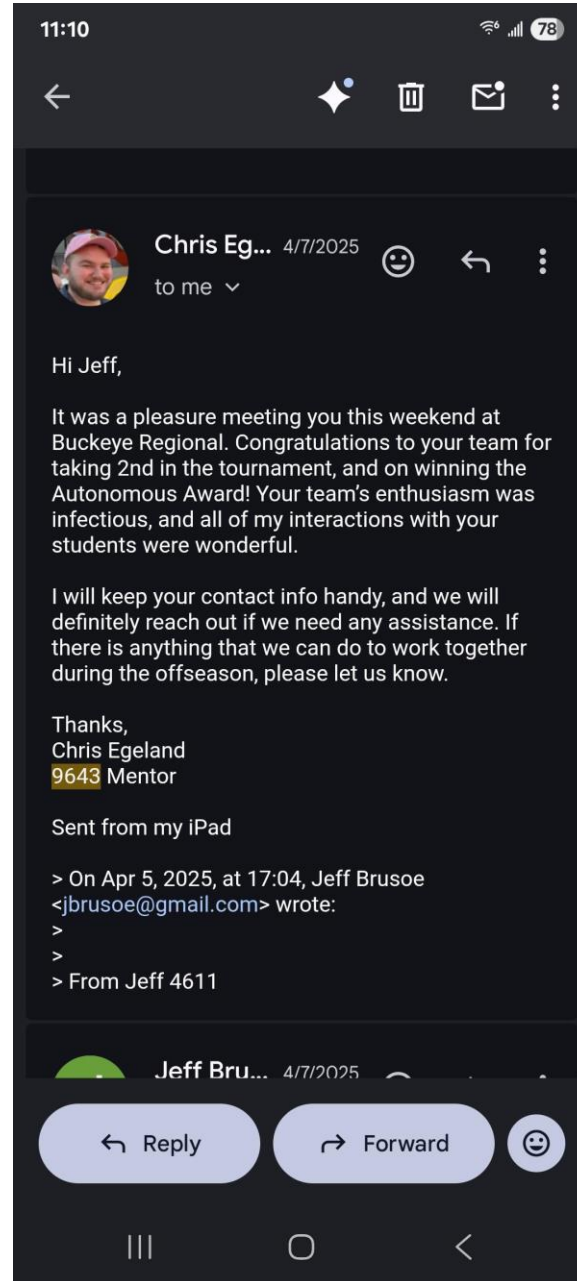
ID-025:



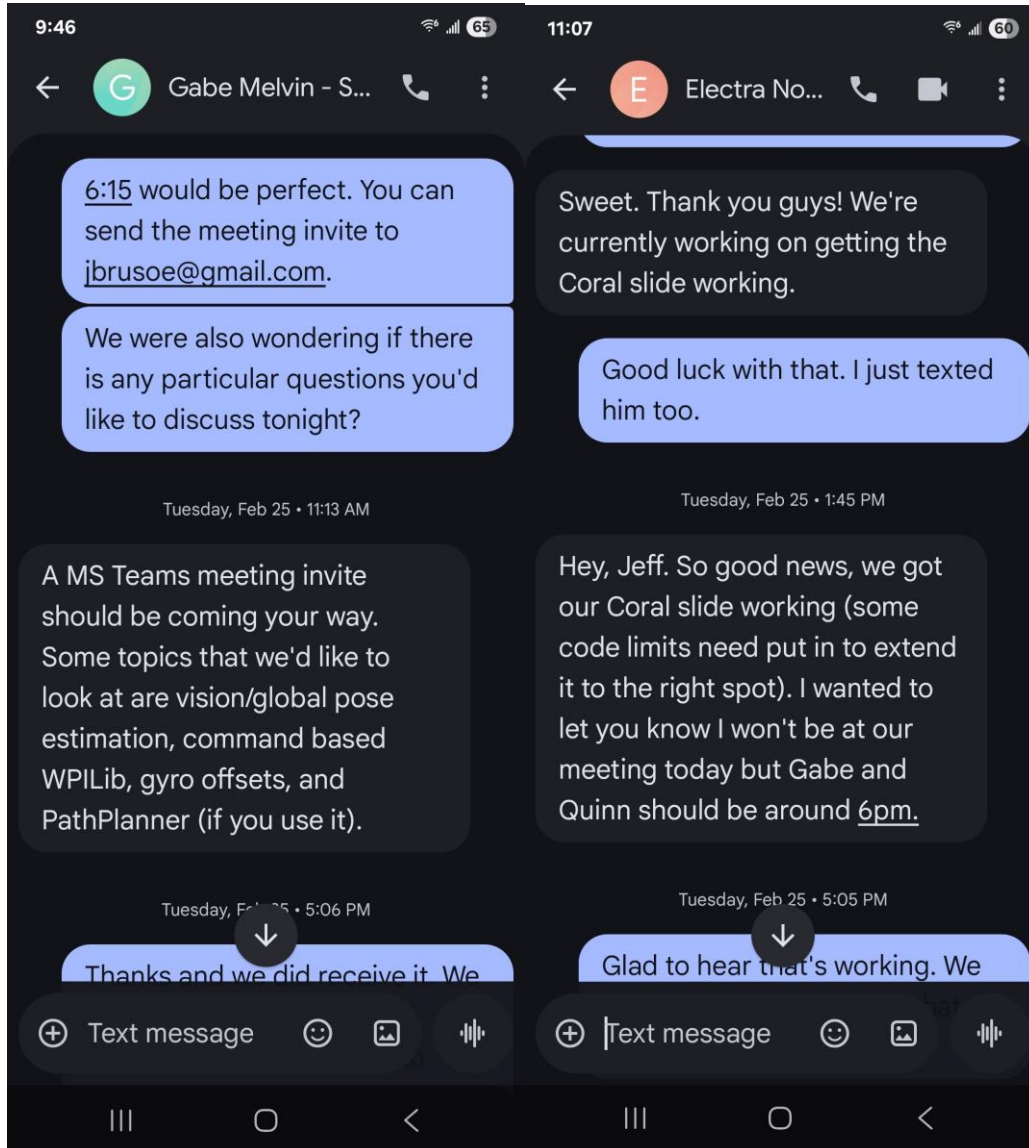
ID-026:



ID-027:



ID-028:



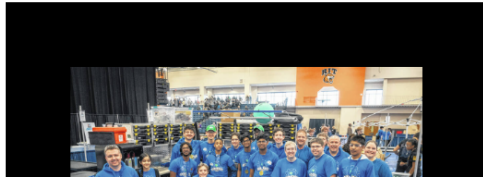
ID-029:

Home ▾ Food ▾ News ▾ Robotics team continues impressive run

News

## Robotics team continues impressive run

Billen Davis · April 3, 2025



A robotics team of students from the Olenyang Local School District will return to the FIRST Robotics Competition (FRC) world championship event for a second consecutive year after winning last month's regional event.

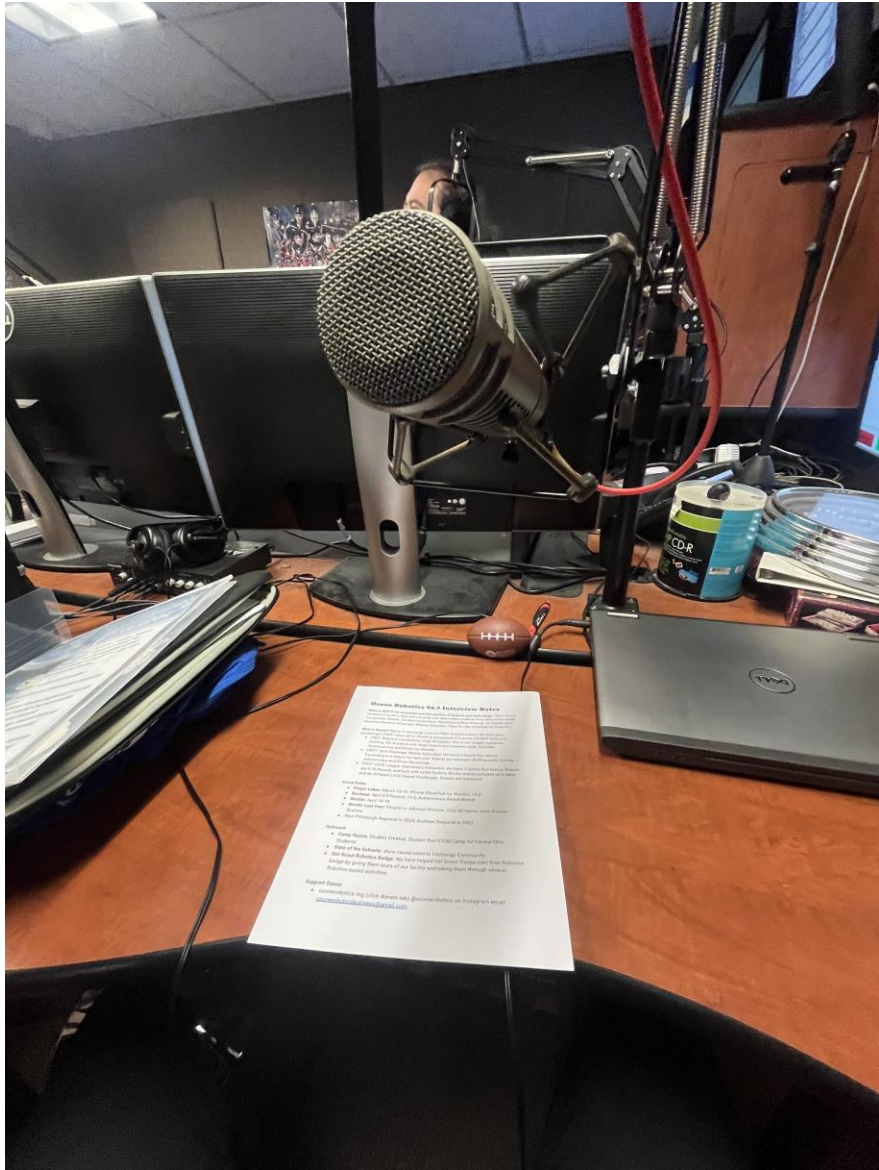
On March 15, Ozone Robotics and its 117-pound bot, "Trident," took home top honors at the FRC Finger Lakes Regional held in Rochester, New York. The regional event featured 55 teams, including 11 other teams from Ohio. Ozone Robotics will now head to Houston, Texas, for the world championships on April 16-19, marking the third time in four years the team has qualified for the final competition.

Ozone Robotics has been designing robots for FRC events since 2012. Last year, after winning the Greater Pittsburgh Regional competition, the team finished as finalists in the Johnson Division at the FRC world championship to earn a spot in the elite group of 64 teams. Since the new season kicked off on Jan. 4, Ozone Robotics has been hard at work designing, building, and programming its competition bot for this year's FIRST Robotics REEFSCAPE season.

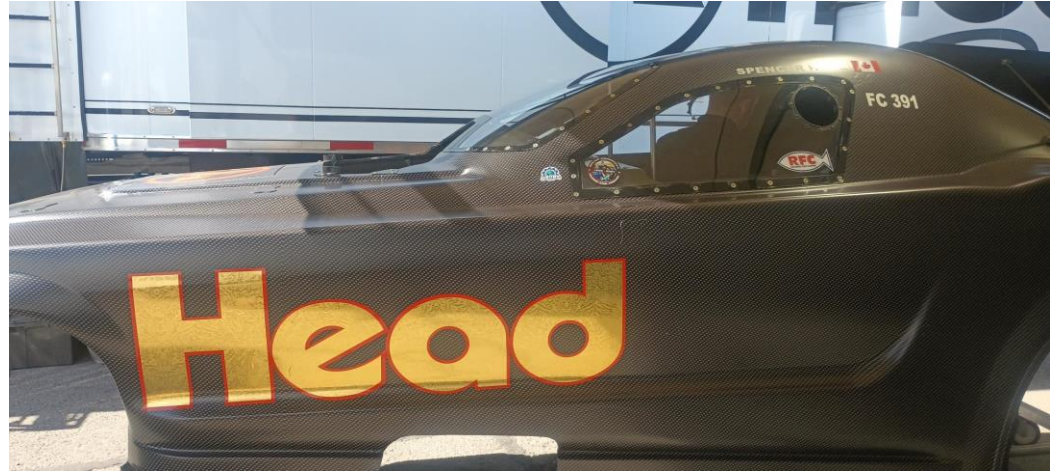
Currently ranked as the top team in Ohio and as a top 50 team in the world, Ozone Robotics also runs and mentors three middle school robotics teams and two elementary school LEGO robotics teams that have also had success at the state championship competition recently.

Before it can get to Houston, Ozone Robotics will seek its second victory this season at the Buckeye Regional in Cleveland this week. Ozone Robotics has had previous success at the Buckeye Regional, qualifying for the world championship through it in the 2023 season. Other central Ohio teams competing in Cleveland will include teams from Worthington, Upper Arlington and New Albany.

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ID-031:

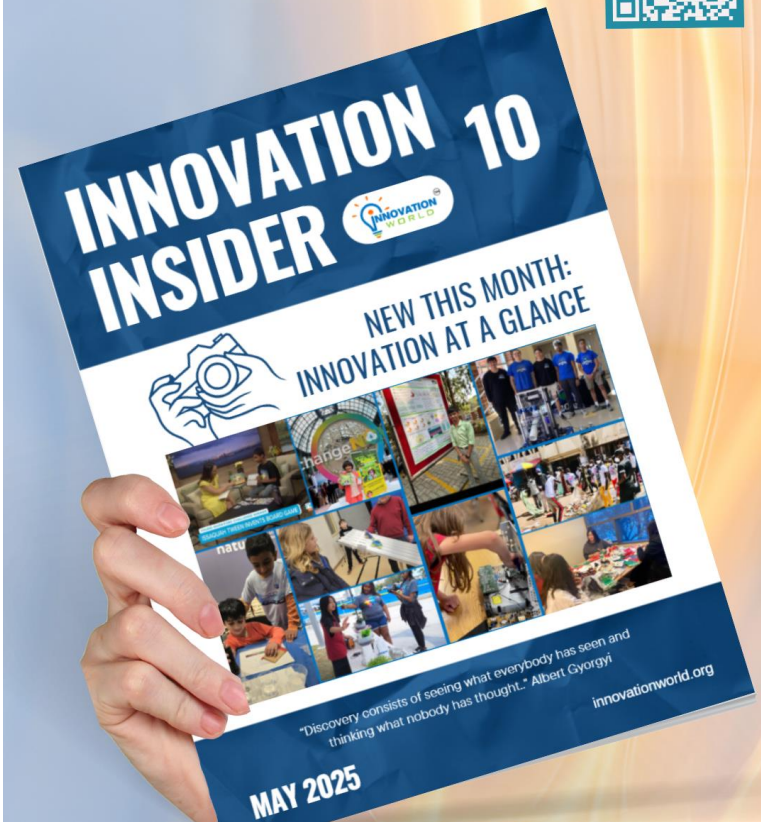


ID-032:



ID-033:

Be an insider...



# INNOVATION INSIDER 10



NEW THIS MONTH:  
INNOVATION AT A GLANCE



"Discovery consists of seeing what everybody has seen and thinking what nobody has thought." Albert Gyorgyi

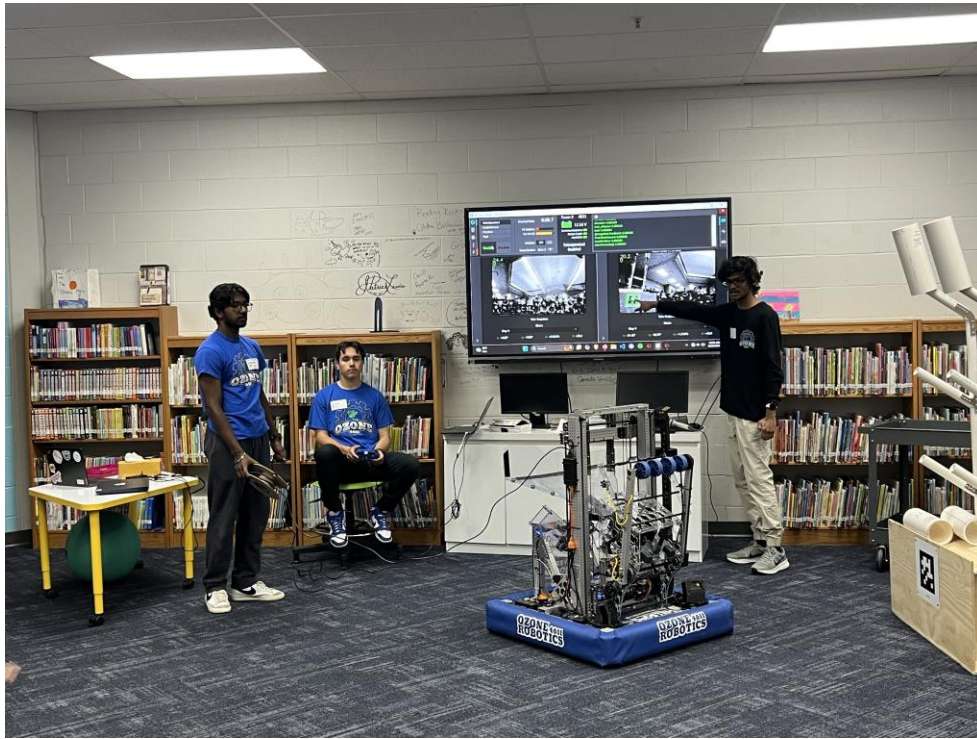
MAY 2025

innovationworld.org

ID-034:



ID-035:



ID-036:

The screenshot shows a forum post on the ChiefDelphi website. The page has a dark theme with orange accents. On the left is a navigation sidebar with categories like 'Topics', 'My posts', and 'My messages'. The main content area features a post by user 'CakeDeer6' from June 2025. The post title is '4611 Ozone Robotics Code Release - Our first year in python', with tags for 'Technical' and 'Programming'. The post text describes the team's decision to switch from Java to Python and their success in competitions. At the bottom, there is a GitHub repository link for 'olentangyfr/2025-Reefscape-Code' with a call to action to create a GitHub account.

**chiefdelphi** 90%

## 4611 Ozone Robotics Code Release - Our first year in python

■ Technical ■ Programming


**CakeDeer6** 4611 Programmer + Driver Jun 2025

Ozone Robotics, [Team 4611](#) <sup>10</sup> is excited to release our 2025 competition code. It was a big year for our team, as we made the decision to switch from Java to Python. It was a big adjustment for us, but one that panned out well, giving us quicker development times through simpler syntax and dependency management, while also being more intuitive and widely known among new students.

We saw lots of success this year, starting with a win at the Finger Lakes Regional. After that, we captained the number one alliance, finishing as finalists at the Buckeye Regional, where we also won the autonomous award. To cap off our season in the Curie Division at Worlds, we captained the six alliance, finishing as semifinalists. We were very happy with the performance of our robot, having a balance of speed and reliability that allowed us to make deep playoff runs without major breakages or code setbacks keeping us from performing at our best.

Although the switch was daunting at first, we found that there was a great network of community and developer support from [Team 4774](#) <sup>10</sup> and [@virtuald](#).

github.com

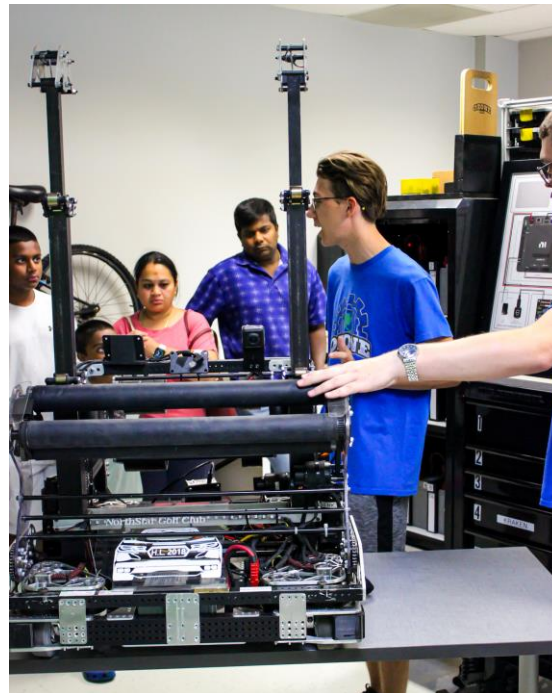
 **GitHub - olentangyfr/2025-Reefscape-Code** <sup>55</sup>

Contribute to olentangyfr/2025-Reefscape-Code development by creating an account on GitHub.

ID-037:



ID-038:



ID-039:



ID-040:



ID-041:



ID-042:



ID-043:



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# Ozone Branding Guidelines

☰ OZONE Branding Guideline 1 / 11 - 56% + 📄 ↺ ↻ ↶ ↷ 📄 ⬇️ 🖨️ ⋮

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Open this PDF in Adobe Acrobat  
Edit, summarize, and more right from the Acrobat extension. You can hide this shortcut anytime in Preferences.  
Close

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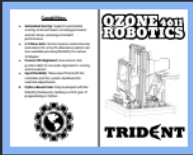
ID-052:

## Worlds Judge's Pamphlet

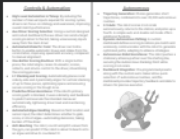
☰ Worlds Judges Pamphlet

1 / 2 | - 43% + | 📄 ↺ ↻ ↷ ↶ ↷

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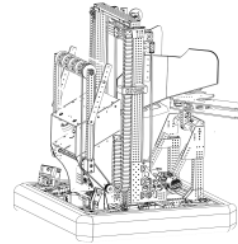
### Capabilities:

- **Automated Scoring:** Supports automated scoring at all reef levels, including processor and net zones, ensuring consistent performance.
- **3.5 Piece Auto:** Scores 3 pieces autonomously and returns for a fourth, alternative options are also available providing flexibility for various strategies.
- **Precise PID Alignment:** Uses sensor and position data for accurate alignment in scoring and movement.
- **Input Flexibility:** Takes input from both the controller and the custom dashboard for real-time adjustments.
- **Python-Based Code:** Fully developed with the RobotPy framework, marking our first year of programming in Python.



Controls & Automation

# OZONE 4611 ROBOTICS



# TRIDENT

Autonomous



ID-053:

ozonerobotics.org/sponsorship-level-document/

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# Sponsorship Level Document

## OZONE 4611 ROBOTICS SPONSOR LEVELS

<b>Thermosphere:</b>  <b>\$5,000+</b>	<ul style="list-style-type: none"><li>• Company 256x256 logo on the front page of team website</li><li>• Large Company Logo on team robot.</li><li>• Sponsor Name on team banner</li><li>• Sponsor will receive an invitation to special events (Kick-off, Camp Ozone, Open House, etc.)</li><li>• Team and Robot will visit company and do a demonstration</li><li>• Sponsor will receive OZONE Robotics apparel</li><li>• Sponsor will receive a Certificate of Appreciation</li></ul>
<b>Mesosphere:</b>	<ul style="list-style-type: none"><li>• Company 125x125 logo on the front page of team website</li><li>• Medium Company Logo on team robot.</li><li>• Sponsor Name on team banner</li></ul>


ID-054:

← → ↻ ozonerobotics.org/trident-bot-profile-and-reefbuilder-app/ 🔍 ☆ 📄 📏 ⚙️


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# Trident Bot Profile And REEFBUILDER App

☰ 2025BotProfile/REEFBUILDERflyer 1 / 2 - 56% + 📄 ↺ ↻ ↶ ↷ 📄 ⬇️ 🖨️ ⋮



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**OZONE 4611 ROBOTICS**  
BOT PROFILE: **TRIDENT**

**CAPABILITIES**

- Coded in Python: Allows for efficiency and adaptability
- Automated Coral Scoring System (L1,L2,L3,L4)
- Dual Intake System: Collects Coral and Algae from ground and Coral Station
- "Dealgify" Reef & Score Algae in Processor
- Deep Climb: 3 Pronged "Trident" Design maximizes consistency
- Automated Reef Alignment: Scoring and alignment precision

**SCORING/ INTAKE**



ID-055:



ID-056:



ID-057:



Senior Chloe  
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Feature  
Cover Story

## TANGY V. THE WORLD

Written by: Sam Cushman '26 and Satvik Pochiraju '26 | Designed by: Bella Starr '26

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**O**zone Robotics is Olentangy's district-wide robotics team formed in 2012 by Orange Industrial Tech teacher, Rory Schmidt. Since its founding, Ozone has expanded to middle school and elementary levels. The team competes in the FIRST Robotics Competition (FRC), where they work together to make one robot to meet a new challenge given each year. Each competition, robots face off in a two versus two format in qualification and playoff rounds. Each game has an Autonomous Period where robots rely on code, and a Driver operated Tele-Op period.

"I have learned a lot through robotics; it teaches you to work together, to build strong communication skills and to think differently. Ozone isn't just about building a robot, it's about developing skills that can set me apart later on," Max Nicholson '26 said.

The team is pushed further by competitive challenges. It is the driving factor behind everything they do, as they have to design and build their robot for a specific game strategy to fit the year's challenge. Mentors from various fields help guide the team and provide networking opportunities.

"Robotics isn't just a club, it's a community—striving to create the best future for humanity through innovation, engineering, technology, and design," OOHHS junior Ethan Zutterling said.

11