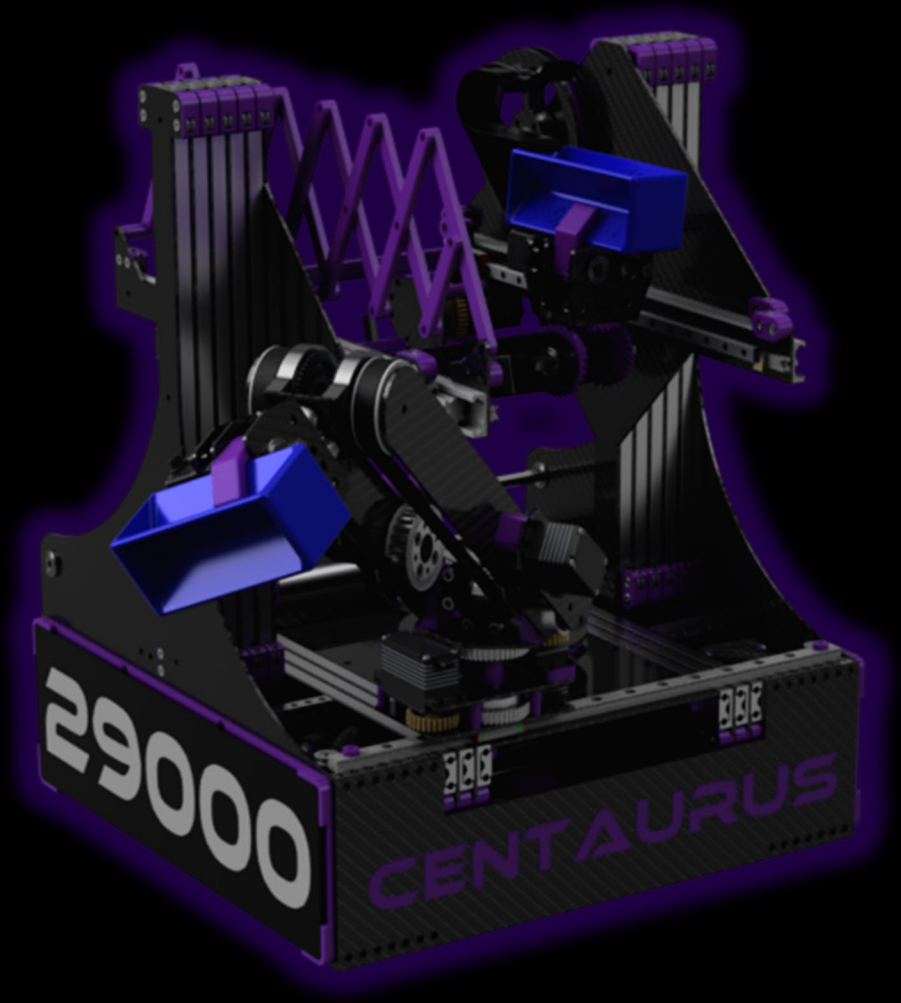
Robotics First Tech Challenge Team #29000

CENTAURUS

Sponsorship Information Package



– Πτ л Ş ĶSSŞOл ΠĶДл Ş ŘτO
ĶvŘ л Πc ЛƁtv Лъ SЯЛƁ

2025-Q1
V1.0

1 · ABOUT OUR TEAM

Welcome Message

We are FIRST Tech Challenge team **Centaurus**. We are a group of highly dedicated individuals focused on **revolutionising the next generation of innovation** in robotics through **technical excellence** and **community engagement**. Our team is made up of a group of students from a variety of grades that **demonstrated excellence** in robotics.

Team Mission

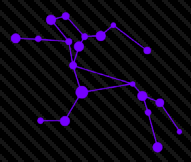
To **inspire** the next generation of engineers through pushing the limits of innovation.

Team Vision

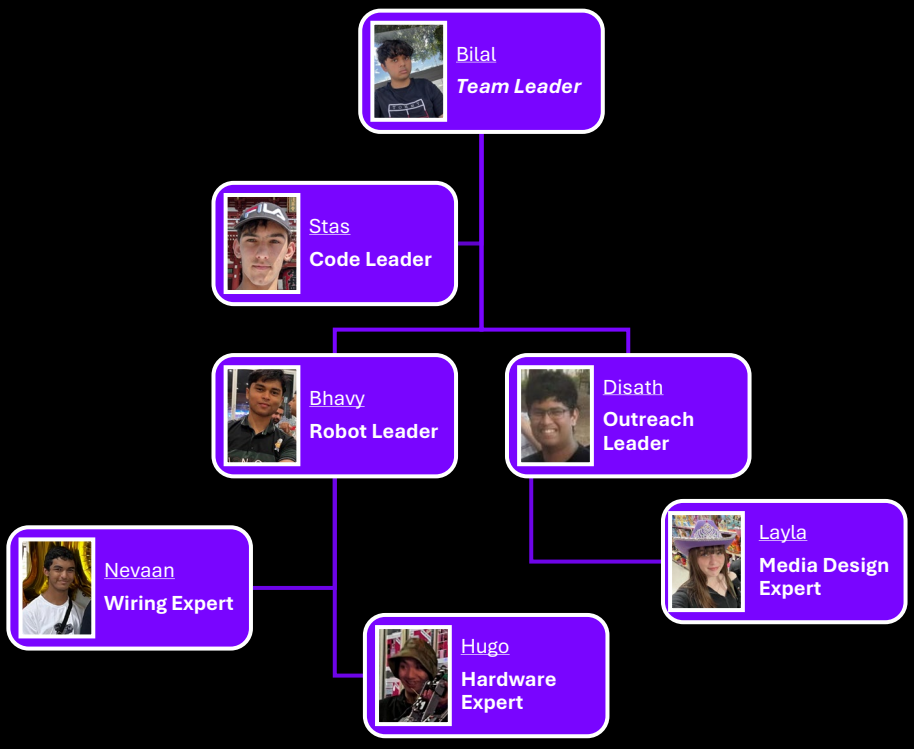
- **Push** the limits of FTC through **building** and **designing** the most **innovative robots**
- **Give back** to the community through **outreach events** and **community presentations**.
- Foster a team culture of **collaboration**, **motivation** and **dedication**.

Core Values

- Innovation
- Motivation
- Resilience
- Community Impact
- Inclusion



Team Hierarchy



Team Organisation

Our team is split into different sectors to ensure **equal work distribution** and **motivation**. These sectors include **Robot Design**, **Code** and **Outreach**. Each sector has specific leaders that allow for equally **distributed autonomy** for each aspect. This **increases team efficiency**, **work ethic** and **self-motivation** and **inclusion**.

2 · WHAT IS THE FIRST TECH CHALLENGE

What is the FIRST Tech Challenge?

The **FIRST Tech Challenge (FTC)** is a global robotics competition for students in grades 7–12, where innovation meets real-world problem-solving. Teams are challenged to **design, build, and program a robot** to compete in a themed game, using a reusable kit of parts and Java-based control systems.

At its core, **FTC is more than just a competition**—it's a platform for developing **STEM skills, teamwork, leadership,** and **gracious professionalism.**

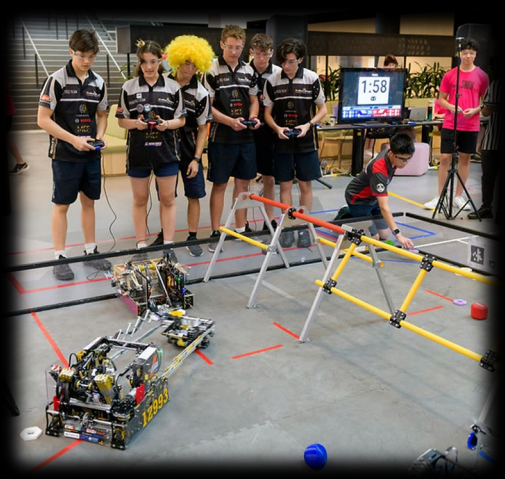
Concept of Differential Swerve Drive

Key Elements of FTC

- **Engineering Design Process:** Teams create detailed plans, prototypes, and iterations of their robot based on game strategy.
- **Autonomous and Driver-Controlled Periods:** Robots must complete tasks both automatically and under human control.
- **Judged Awards:** In addition to matches, teams are evaluated on outreach, innovation, documentation, and presentation.
- **Community and Collaboration:** Teams are encouraged to mentor others, spread STEM awareness, and embody the spirit of *cooperation*—competing while helping others succeed.

What Pushes us to Compete

- Participating in FTC pushes us to **think critically, communicate effectively**, and **grow as engineers** and **leaders**.
- It's not just about winning matches—it's about **making an impact, building a future**, and becoming the **next generation of changemakers.**
- Through your support, we can **further the boundaries** of what people perceive possible in FIRST Tech Challenge and **contribute back to the community** that supported and backed us.



3 · OUR IMPACT

Jacaranda Festival

Our team presented and [illegible] [illegible]. We presented to a group of kids at our stall [illegible], inspiring the [illegible], and helping critical thinking by getting them to make their own inventions

We raised [illegible] at our stall, [illegible] to the festival-goers to raise money for our chosen charity [illegible] is focused on conserving the world’s oceans, and their **sustainability themes** resonated with our team.

2000+ people outreached to

$250 raised for ‘Oceana’

FTC PRESENTATIONS AT STATE SCHOOLS

Nundah State school

- Our team presented to **3 robotics teams** about the next level of the competition.
- **Showcased robots** and explained our **engineering process**
- **Helped judge** and **hand out awards** at their robotics competition

Brisbane Central Sate School

- Presented to **grade 6 students** to spread the word about **robotics competitions**.
- Following our presentation, they **started 2 robotics teams**

The Young Einsteins

The [illegible] program involves students from grade 3-6 with an [illegible] who are being challenged in STEM learning activities. This year our team sought out this opportunity to **promote robotics**, discussing the numerous opportunities it provided in STEM.

4 · WHAT WE'VE ACHIEVED...

2023 QLD Regionals Motivate Award

The **Motivate Award** is awarded to a team in which all team members are motivated and hard-working. We earned this award through dictating our work through cleverly designed GANTT charts.

2023 AU Nationals Judges Award

The **Judges Award** is awarded to a team which impresses the judges using a clever mechanism. In our Australian Nationals competition, we delivered an extremely potent robot with a custom designed belly pan, increasing strength and rigidity.

2024 Asia-Pacific Open Comp. Design Award

The **Design Award** is awarded to the team which has the best designed mechanisms and components. Thanks to our clever claw design and speedy intake, we achieved the design award.

2024 QLD Regionals Think Award

The **Think Award** is awarded to a team which best represents the design process in their engineering journal. Thanks to our many robot design iterations we achieved this award through our thoroi

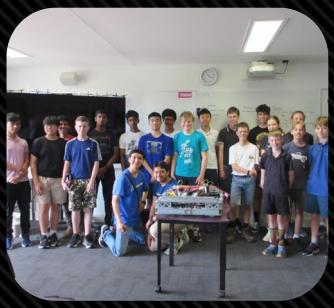
2024 QLD Regionals WAC Award

The **Winning Alliance Captain Award** is awarded to a team who excels in the competition and beats all other teams in the finals to achieve first place. We achieved this award after setting several records at our regional competition.

2024 AU Nationals Connect Award

The **Connect Award** is awarded to a team who has had the greatest impact on their community. Thanks to our industry outreach to companies such as Gilmour Space, Metal Tech industries and QUT Motorsports, we earnt this award.

5 · SPONSORSHIP BENEFITS



International Outreach for Your Company

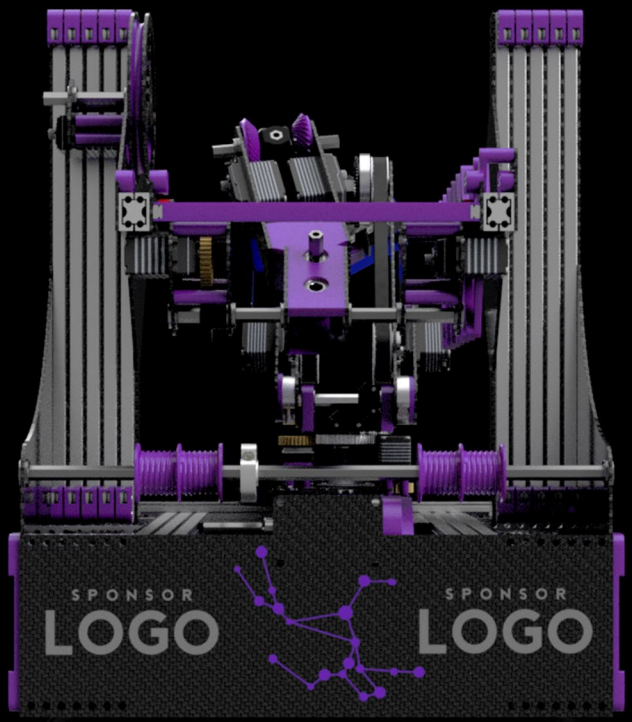
Our constellation of **global partners** allow us to promote your company internationally. We also participate in **events** of global significance, like **the Asia Pacific Open Championship** (APOC).

Promotion of your Company

We will promote your company as a sponsor by doing the following:

- Presentation on **Posters, banners, and Videos**
- Promotion via **Social media**
- Reserved spot on our **Website**
- Logo on the competing **robot**
- Logo on our **Team Shirts**

(Here's a QR Code to our Website)



Example of Sponsor Logo on Robot

Sponsor Logos on Shirt

DISCLAIMER | Sponsor logo positions & shirt designs are not finalised.

6 · BUDGET BREAKDOWN

How Your Support Helps

Your sponsorship directly impacts and aids our team's ability to compete learn and grow.

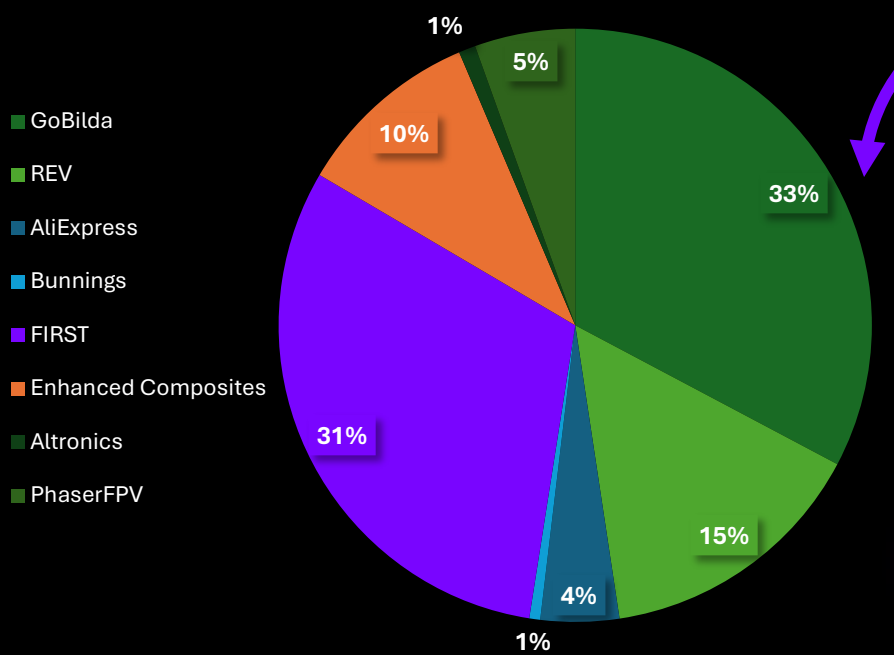
Motors, controllers, sensors, structural components, and specialised hardware for our competition robot.

Registration fees, travel expenses , and accommodations for national and international competitions.

Training materials, workshops, and educational resources to develop our team's skills.

Materials and resources for community outreach events to inspire younger students in STEM.

Cost breakdown between manufacturers



(You can access our **FULL** budget + costings here!)

Current Total Starting Costs : AUD **2,718.93**

DISCLAIMER | Total Costs are subject to change; however, no sponsor is expected to revise sponsorship amount in the event of such change

7 · SPONSORSHIP TIERS

Bronze $250+

- ✓ Logo on team website
- ✓ Social media recognition
- ✓ Team thank you letter
- ✓ Certificate of appreciation

Silver $500+

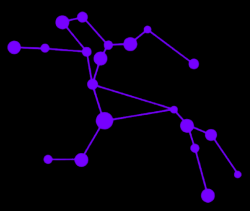
- ✓ All bronze tier benefits
- ✓ Small logo on T-Shirts
- ✓ Logo on competition banner
- ✓ Team presentation at your company

Gold $1000+

- ✓ All silver tier benefits
- ✓ Large logo on team T-Shirts
- ✓ Logo on competition robot
- ✓ Featured in team presentations

Platinum $2500+

- ✓ All gold tier benefits
- ✓ Custom benefit packages tailored to your discretion
- ✓ Maximum visibility and engagement opportunities



How To Sponsor Us

Contact our team on our Instagram, LinkedIn, Email, or Phone to discuss sponsorships with one of our team members. We look forward to hearing from you!

@Centaurus29000

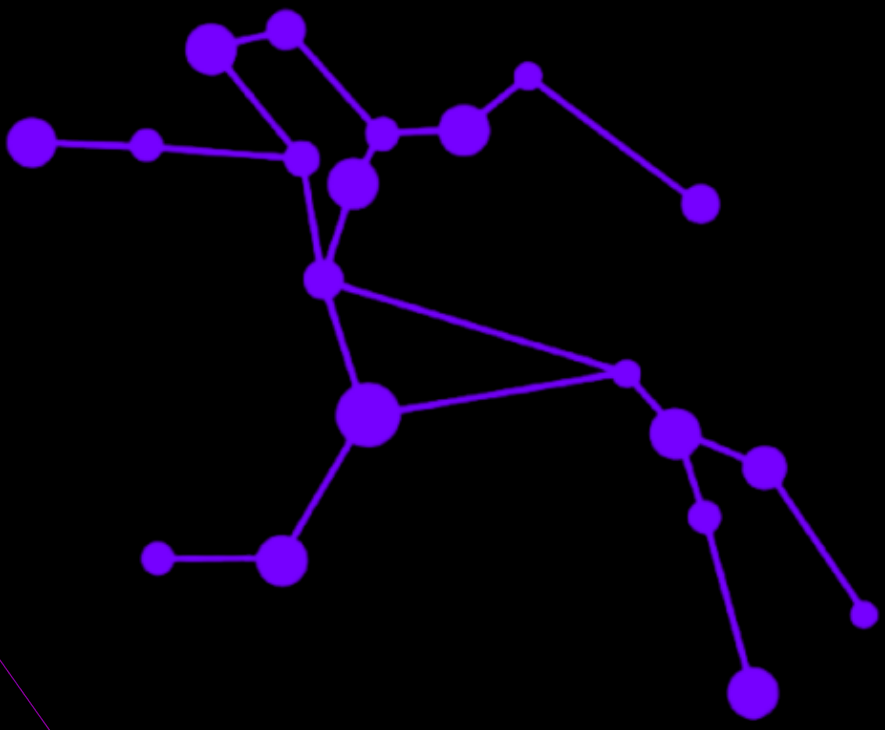
centaurus29000 @outlook.com

Centaurus FTC

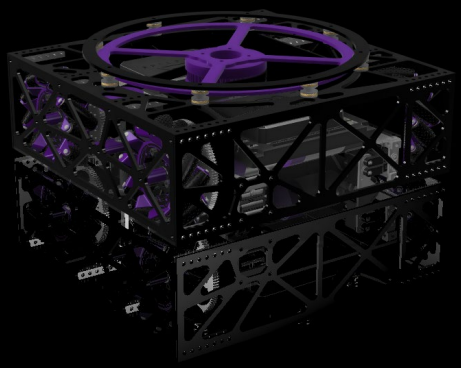
+61 481 429 050

DISCLAIMER | Sponsorships operate on a seasonal basis (September to August next year)

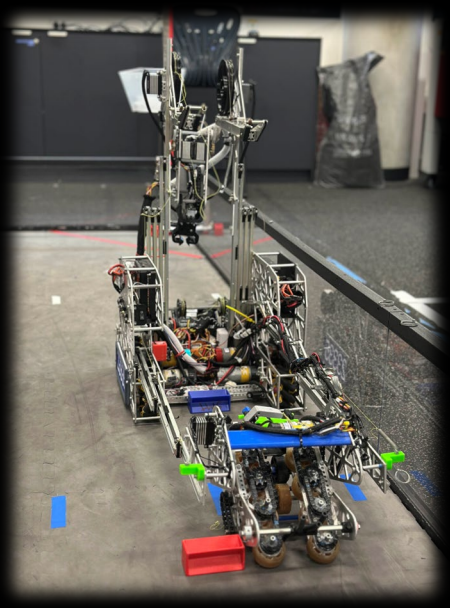
Are YOU ready to join our Constellation?

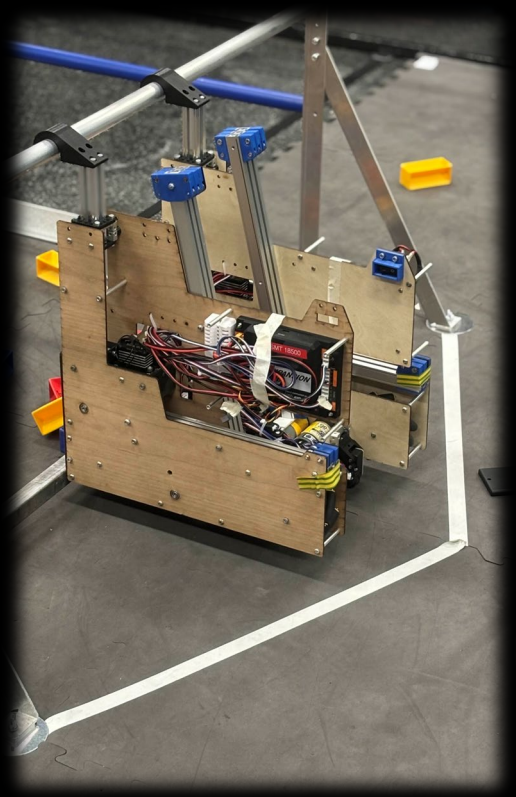


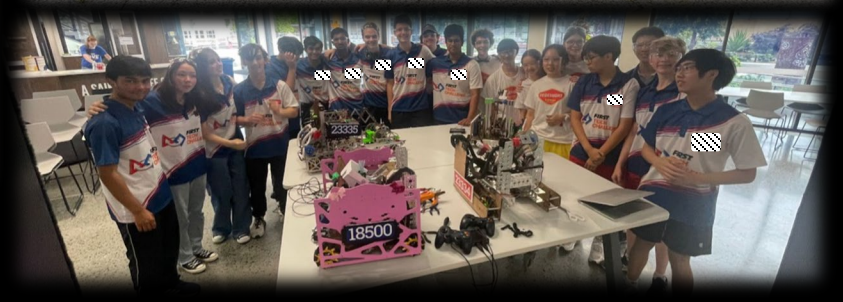
9 · TEAM COLLAGE

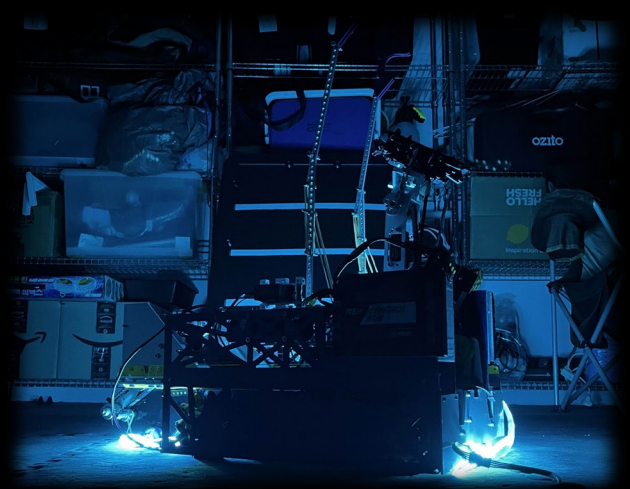


Concept of Turret Robot









DISCLAIMER | Some images include past teams, members and seasons but our team members' work