



ORBIT 1690



Hello,

We are **ORBIT 1690**, a high school robotics team based in Binyamina, Israel. Since 2005, we have been participating in FRC (**FIRST** Robotics Competition). FIRST (For Inspiration and Recognition of Science and Technology) is a non-profit organization dedicated to engaging high school students in engineering and technology fields through robotics competitions.

Each year, approximately **6,000 teams** from around the world take part in the FRC program. FIRST is supported by prominent tech organizations such as NASA, Lockheed Martin, Motorola, Apple, Boeing, General Motors, and many others.

At the beginning of every competition season in January, a new challenge is unveiled. Our team, consisting of 35 high school students aged 15 to 18, takes on the responsibility of designing, constructing, and programming a robot within a tight timeframe to compete in this challenge.

The robot we create then competes against other Israeli robotics teams before progressing to the international championship (limited to the leading teams from each country) taking place in the USA .

Throughout the season, our team members acquire valuable skills that contribute to their future endeavors, preparing them to become the next generation of STEAM (Science, Technology, Engineering, Arts, Mathematics) leaders. Many FIRST alumni have gone on to establish new startups and take leadership roles in the high-tech industry.

Our team's estimated annual **operating cost** is approximately **\$150,000 USD**. This budget covers registration fees, equipment and parts procurement for robot construction, as well as participation fees for competitions.

“Robots Change, Spirit Remains”

Our 2024 robot



Our 2023-2024 team



The continuous progress of our team over the years has been made possible by the generous support of our sponsors. It would be immensely appreciated if you also choose to join us as a sponsor.

Your sponsorship would enable us to:

1. Obtain robotics kits, components, and tools essential for competition.
2. Cover registration fees for various robotics competitions and events.
3. Fund travel expenses and accommodations for team members.
4. Develop and enhance our outreach initiatives to inspire the next generation of innovators.

By becoming a sponsor, you will enjoy the following benefits:

1. Exposure to a large international community of hundreds of thousands of future high-tech leaders.
2. Our team shirts proudly showcase your company logo, and if you're considered a Gold sponsor or above, we will prominently feature your logo on our robot as well.
3. Occasional posts/spotlights among our social media followers.



Here are some notable achievements from our team in recent years:

2015 -

Chesapeake Regional - #1 seed and finalist.

Maryland Regional - #1 seed and champions.

World Championship - Galileo subdivision #8 seed and finalist.

2016 -

Israel Regional - #8 seeded and champions.

World Championship - Tesla subdivision #4 seed and champions and Einstein finalist.

2017 -

ISR District Event #4 - #1 seeded team.

ISR District Championship - #1 seeded team.

World Championship - Carver subdivision #1 seed and finalists.

2018 -

ISR District Event #1 - #4 seed and finalists.

ISR District Event #3 - #5 seeded team.

ISR District Championship - #8 seed and finalists.

World Championship - Carver subdivision #2 seed and semi-finalists.

2019 -

ISR District Event #1 - #1 seed and finalists.

ISR District Event #4 - #1 seeded team.

ISR District Championship - #2 seed team and semi-finalist.

World Championship - Darwin subdivision #7 seed and finalists.

IRI Offseason Event (taking place in Indiana, USA) - second Israeli team to get invited to this prestigious invitation based event.



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2020 precovid -

ISR District Event #1 - #1 seed and champions.

2020 post-covid + 2021 -

#1 seed and champions of five different off-season competitions in Israel.

Chezy Champs Offseason Event (taking place in San Jose, California, USA) - #1 seed and champions.

2022 -

ISR District Event #1 - #1 seed and champions.

ISR District Event #3 - #1 seed and champions.

ISR District Championship - #2 seed and champions.

World Championship - Carver subdivision #4 seed and finalists.

Chezy Champs Offseason Event - #3 alliance first pick and semi-finalists.

2023 -

ISR District Event #1 - #2 seed and champions.

ISR District Event #3 - #7 seeded team.

ISR District Championship - #3 seed and champions.

World Championship - Galileo subdivision semi-finalists.

IRI Offseason Event - finalist.

2024 -

ISR District Event #1 - #1 seed and champions.

ISR District Event #3 - #1 seed and champion.

ISR District Championship - #1 seed and champions.

World Championship - Daly subdivision #3 seed and champions and Einstein champions.

Thank you for considering being our sponsor. We would be delighted to provide additional information if needed. Please feel free to reach out to us at teamorbit1690@gmail.com or any of our social media platforms. We eagerly anticipate the possibility of collaborating and making a positive impact together.

“Robots Change, Spirit Remains”