

Briefly describe the impact of the FIRST program on team participants with special emphasis on the current season and the preceding two to five years

We provide unique STEM & social experiences. 99% of students carry on to college while the national average of college entrance is 19%. 86% of our members choose STEM careers. Last year, 100% of graduated members chose STEM majors. An example of FIRST's impact on 1156 are the 13 alumni that mentor the team, bringing their experience and technical knowledge. Our alumni went on to successful paths in tech companies such as SAP and Riot, but also entrepreneurs, political & biomedical careers.

Describe the impact of the FIRST program on your community with special emphasis on the current season and the preceding two to five years

We were honored by our City Hall for the technological and cultural impact on our community. Such recognition resulted in an invitation to redesign the tech area of MOSTRATEC, the largest STEM fair of Latin America. Through our work, over 2200 local businesses know FIRST. Our team promotes events with FLL & FRC workshops in schools and hospitals, where 1300 people were introduced to robotics, getting them involved in STEM and inspiring Regina Hospital to create a volunteer program.

Describe the team's innovative or creative method to spread the FIRST message

We ran the tech area of MOSTRATEC since 2012, with 45,000 yearly visitors. We broke the usual science fair routine, running a robotics competition for 65 teams inspired by FIRST ideals. Our work appeared on the cover of the largest newspaper in southern Brazil, TV shows & websites. Our team attended the 2015 World Skills, an event that involves 62 countries and has attendance of more than 250,000 people, where we presented FRC to the public, including businessmen from tech companies.

Describe examples of how your team members act as role models and inspire other FIRST team members to emulate

Our members share their experiences with kids in hospitals, schools & special schools. Our members hosted a donation campaign to make a happier Christmas for local children's shelters and a special event to raise money for AMO (foundation to fight children's cancer). We helped a food and clothing donation campaign to assist 380 families. In the last two years, we traveled 138,000 miles to volunteer in all FLL regionals in Brazil, receiving recognition from FLL teams from all over the country.

Team's initiatives to help start or form other FIRST Robotics Competition teams

We gave a lecture for over 230 people on "How to Start an FRC Team" to inspire our community to support and join FRC, where we made ourselves available to assist any potential new team through all the process. We shared our management and technical material with 62 interested schools. We presented our 2015 Chairman's video in all FLL

Coach Trainings in Brazil. 1156 acts as a model for the robotics programs in the Marist foundation network, proposing a greater FRC adoption over the network.

Describe the team's initiatives to help start or form other FIRST teams (including FIRST LEGO League Jr., FIRST LEGO League, & FIRST Tech Challenge)

With the Brazilian FLL partner, we translated and created materials about how to start and become more qualified in FLL, providing it to over 1000 teams. We started an FLL team constituted by kids from public schools. We introduced FIRST to 2 other teams, one in a school from the state's capital. In 2015 we started a partnership with John Deere, forming an FLL team in the city where they have a plant, which is 30 miles away from us, becoming the first FIRST team sponsored by them in our country.

Describe the team's initiatives on assisting other FIRST teams (including FIRST LEGO League Jr., FIRST LEGO League, & FIRST Tech Challenge) with progressing through the FIRST program

At MOSTRATEC we promoted a robotics competition and organized an FRC demonstration for 65 FLL teams that have an interest in progressing to it, and we invited other Brazilian FRC teams to join. With FIRST HQ we translate FRC materials. We hosted an FLL training event with the qualified teams to Brazil's national, offering them all help needed to progress to FRC. 1156's members also performed lectures to more than 60 FLL mentors and coaches, about how to structure a team and progress to FRC.

Describe how your team works with other FIRST teams to serve as mentors to younger or less experienced FIRST teams (including FIRST LEGO League Jr., FIRST LEGO League, & FIRST Tech Challenge)

In the last 2 years, we organized FLL training events to all south Brazilian teams classified to the nationals, practicing core values and engineering. In our state's regional, our mentors were responsible for assisting 17 of the 29 teams. In the last 4 years, all 47 FLL events had 1156 members organizing; over 600 teams had our help. We developed an FLL Brazilian forum for all teams share their doubts and ideas, thus having an easy and quick fix for their problems, exercising cooperation.

Describe your Corporate/University Sponsors

In 2015, we established a strong network with great companies. We became closer to John Deere by mentoring their sponsored FLL team. With National Instruments, we had business dinner meeting at World Skills, we presented our work to spread FIRST's message. Our members have also taken part in FRC trainings hosted by PTC, which has offered us PTC Creo trainings. In 2010, Konrad Trucks, Brazil's largest Ford trucks distributor saw an opportunity to improve our region's development.

Describe the strength of your partnership with your sponsors with special emphasis on the current season and the preceding two to five years

To strengthen our partnership with N.H. City Hall, we perform monthly visits to public schools presenting our robotics project. This work encouraged us to start an FLL team composed by kids from city public schools. We have also attended to an endurance race to support two of our sponsors who were competing there: Konrad and Metalthaga. 1156 highlighted our school among its peers and made them catch up, raising local standards.

For FIRST Robotics Competition teams older than 5 years, briefly describe your team's broader impact from its inception

1156 had an essential part in establishing FIRST in Brazil. We work as volunteers since 2006 on the first years of FLL in Brazil. All our members work as volunteers for FLL, having at least one member at each event in the country. In 2015, our mentors lectured at all 10 regionals, to all judges of the country, and gave special lectures for more than 60 FLL coaches. FIRST in Brazil is now consolidated and well known, with more than 1000 teams all over the country, and we feel part of it.

Describe how your team would explain what FIRST is to someone who has never heard of it

FIRST is more than a robotics competition, it's a life experience based on real world challenges. FIRST introduces science and technology in students lives, based on overcoming challenges through Coopertition between teams, and generating a healthy & kind environment. It doesn't only teach us STEM, they educate us to be better people and inspire others to be better as well. FIRST's students receive lessons that are taken for life. FIRST inspires people to spread this knowledge and passion.

Briefly describe other matters of interest to the FIRST Judges, if any

After 14 years working to develop robotics in Brazil, we realize that the biggest impact of the team is in our own lives. Members become addicted to FIRST reality, so Gracious Professionalism and Coopertition become part of our personality. After noticing great results in our members, 1156 spreads this innovation inspiration to society through FIRST's pillars and knowledge about science and technology, inspiring the community to participate in this area's development.