

**Describe the impact of the FIRST program on team participants with special emphasis on the current season and the preceding two to five years:**

FIRST has a big role in the formation of 1156's members. It provides unique experiences that are the base of our choices. Our work makes 98% of our members go to college, which 76% are STEM, while the national average of college entrance after high-school is 18%. Our alumni take FIRST's ideals to their lives, spreading Gracious Professionalism through respect and cooperation in their daily routine. One example of FIRST's impact on 1156 are the 9 alumni that return to mentor the team annually.

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

Our county has become a technopole due to its high-tech industries and its nationwide recognition in educational robotics mostly through Under Control. Due to our media spots, 1156 redesigned the technological area of MOSTRATEC, the largest STEM fair of Latin America. Through our work, 2082 local businesses know FIRST. Our team promotes events with workshops of FLL, FRC and educational robotics' in schools and hospitals frequented by minorities, where 10440 people came in contact with robotics.

**Team's innovative or creative method to spread the FIRST message:**

Annually we organize the technological area of MOSTRATEC, its reach is about 35,000 people and it is given much relevance on Brazil's media. We broke the usual science fair pattern, performing a robotics competition adapted to the FIRST ideals, for 55 teams. Further, we present engineering workshops, FRC demonstrations and a sample from Science & Technology Museum of PUCRS University. This work has put us on the cover of the largest newspapers from Brazil's south region, reaching 170,000 people.

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

Our members take science and technology to kids in hospitals and schools attended by minorities, where we present them robotics, while infusing Gracious Professionalism in every moment. The importance of our work is reflected by their smiles and discoveries. Regina Hospital created a volunteer program inspired on our work. Our members also organized a toy donation program for these kids. To work towards FIRST Growth we traveled 123,000 miles\*men to volunteer in all FLL regionals in Brazil.

**Describe the team's initiatives to help start or form other FRC teams**

We created a website called RobotArk, in which we gathered a big variety of instructive materials about FRC, offered by the teams. This initiative helps consolidating teams, since the rookies until experienced ones, leaving the research for resources simpler and more dynamic, facilitating the knowledge sharing. From 18 Brazilian teams, 7 were mentored by us. The Brasil's FRC regionals were organized by 1156. All FIRST events in Brazil had our members or alumni organizing and volunteering.

### [Describe the team's initiatives to help start or form other FIRST teams \(including Jr. FLL, FLL, & FTC\)](#)

Our members work as mentors in FLL teams, two of them hosted in our lab, one constituted by minorities kids from schools of our city. At the regional they could overcome their limitations receiving the merited recognition. In the same event, 1156's mentors were responsible for mentoring 17 of the 29 teams, demonstrating Core Values. In the last 3 years, all 36 FLL events had 1156 members organizing; in total 408 teams, had our help somehow. We also organized FLL training events.

### [Describe the team's initiatives on assisting other FIRST teams \(including Jr. FLL, FLL, FTC & FRC\) with progressing\(!!!!!!!!!\) through the FIRST program](#)

We created an area at MOSTRATEC promoting a robotics competition where our members helped all teams to overcome challenges. We organized an FRC demonstration for 55 FLL teams that have interest in progressing to it, which we invited all Brazil's FRC teams to participate. Together with FIRST HQ we translated FRC materials to Portuguese. We hosted an FLL training event with the classified teams to Brazil's national, made a presentation showing how FRC works and offering them all structure needed.

### [Describe how your team works with other FIRST teams to serve as mentors to younger or less experienced FIRST teams \(includes Jr. FLL, FLL, FTC & FRC teams\)](#)

During MOSTRATEC, 1156 organized a FRC demonstration with team 1772, presenting FRC robots to 55 FLL teams and offering them all help needed to progress to FRC. Working with our school's FLL team, we created a team composed by underprivileged kids that probably would never come in contact with FIRST. With those same FLL teams, we organized a FLL training event to all south Brazilian teams classified to the nationals, ensuring that they learned about engineering and practiced the Core Values.

### [Describe your Corporate/University Sponsors](#)

Our school always supports us because they see in us an improvement to education. Since 2007, N.H. City Hall considers our team as the best way to take robotics to our community. Our corporate sponsors see the team as an opportunity to boost these fields and foster qualified professionals. We also have as partner Study Foundation, which is adviser of 7 1156's members. They see our students as a guarantee that education in Brazil will be better if people come in contact with our work.

### [Describe the strength of your partnership with your sponsors with special emphasis on the 2013/2014 year and the preceding two to five years](#)

We did an event with our sponsors and potential sponsors to present good results through influent alumni's speeches, talking about the importance of FIRST in the future. Konrad Trucks, the biggest Brazil's Ford trucks distributor, saw in 2010 an opportunity to assist on our region's development. In 2011, Pavicon, a local road paving, started supporting us. LRB

Chemistry is a company that help us since 2013 and is always willing to help us. Through their support, we have ensured a thrive future.

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

FIRST is a robotics competition's institution that introduces science and technology in students' lives, based on overcoming challenges through Coopertition between teams, generating a healthy and kind environment. FIRST's students receive teachings that are taken for life, adding positive values that become part of their characters, helping their personal development. FIRST makes people inspired to spread this knowledge and passion. Its project is complete and inspires us to be complete as well.

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

The STEM fields are essentials for the socioeconomic development, but in the Brazilian case the investment in these areas are insufficient. However, 1156 takes this innovation to Brazilian society through FIRST's pillars and knowledge about science and technology, inspiring the community to participate in this area's development. The team members, such as the community involved with the project, develop abilities and knowledge that make the difference in their workplaces.