



FIRST and Motorola Solutions

The Partnership

For more than 20 years, Motorola Solutions and *FIRST*[™] (For Inspiration and Recognition of Science and Technology) have worked together to introduce students to opportunities in engineering and technology careers. Through hands-on experiences like *FIRST* Robotics competitions, students make the connection between the skills they use to build robots and the math and science concepts they learn in the classroom. Inspiring this connection helps cultivate the next generation of innovators who will be vital for the technology industry.

The Competition

Each year, more than 30,000 *FIRST* teams around the globe compete across four levels (JFLL, FLL, FTC and FRC) to create autonomous robots. At the elementary school level (FLL), students create autonomous robots using LEGO MINDSTORMS technologies around a current engineering or community issue. At the highest level (FRC), teams of high school students are given six weeks to design and build an autonomous robot that can perform competitive functions. The most gracious and innovative *FIRST* teams are selected to compete at the annual competition held in St. Louis, Mo.

The Impact

Research has shown that *FIRST* participants are more than twice as likely to pursue a career in science and technology, nearly four times as likely to expect to pursue a career specifically in engineering and more than twice as likely to volunteer in their communities when compared to a group of students with similar backgrounds who did not participate in *FIRST*.

Employee Involvement

Several *FIRST* Robotics alumni are now engineers at Motorola Solutions and serve as *FIRST* team mentors. This year, nearly 100 Motorola Solutions volunteers will assist with the competition, exemplifying the company's dedication to educating and inspiring our next generation of innovators in moments that matter.

Expanding Access

Motorola Solutions Foundation is committed to the next generation—to engage imagination and encourage innovation in moments that matter. Motorola Solutions Foundation is a Strategic Partner of *FIRST*. In addition to our domestic support of *FIRST* programming, we sponsor teams and regional competitions in Austria, Bulgaria, Canada, Czech Republic, Germany, Hungary, Israel, Malaysia, Mexico, Poland, Slovakia, Switzerland and the United States.

By the Numbers

Motorola Solutions has contributed more than **\$15 million** and countless volunteer hours to *FIRST* since its inception in 1989.

More than a dozen Motorola Solutions employees were participants in *FIRST* programs, and now volunteer as *FIRST* mentors.

This Season...

The Motorola Solutions Foundation has provided more than **\$550,000** in support to *FIRST* Robotics programs, sponsoring **more than 900 teams** at the elementary, middle and high school levels globally.

Approximately 100 Motorola Solutions volunteers have helped lead teams, organize regional events, and judge robotics competitions.

More than **7,000 students** are participants on Motorola Solutions Foundation-sponsored teams this season.

Motorola Solutions Foundation

motorolasolutions.com/foundation
foundation@motorolasolutions.com

