



## What is BotsIQ?

BotsIQ is an integrated robotics program that advances the technical skill sets needed in the United States today. **The BotsIQ program is responding to the critical challenge impacting America’s technical labor pool and the number of students without hands-on science, technology, engineering, and math (STEM) skills used in our manufacturing, industrial, and technical business areas.** As America faces the enormous challenge of producing a technically literate workforce, the BotsIQ program attracts, engages, and educates students at all levels. The IQ program starts with our middle school through high school, to post-secondary schools and institutions, and includes our industry work centers across the country. BotsIQ program is an educational engine powering the United States to remain the world’s leader in innovation, manufacturing, and industrial technology.

In 1997, BattleBots first aired on TV; the homemade, remote controlled robots squared off in a televised competition. The originators of BattleBots in 2001 developed a Robotics Curriculum based on National Curriculum Standards; a Teacher Training program supporting classroom activities; and the establishment of local and national Competitions where students showcased their custom built robots and competed for top honors in three different robotic challenges. From that exciting beginning, BotsIQ has evolved into a 501(c) (3) corporation. Students are attracted to the program because it makes education fun. Business leaders embrace the program as they see the development of America’s future workforce. Educators appreciate BotsIQ for the diverse programs and the enthusiasm it sparks in students, and the many resources it brings to the classroom.

BotsIQ is the premier leader in robotics education and training. The program utilizes three distinctly different robotic competitions with the fourth program being developed. First, the task oriented (table top) competition where operator-controlled robots have to perform specific tasks that often mimic real-life robots such as the Mars Rovers. The second competition pits student-made robots in head-to-head competition. Teams design and build their own robots; for the first time they see their “ideas-come-to-life.” As they enter the “arena” their robots must answer the call, as equivalent to the rock, paper, and scissors question. Who has the strongest, most durable and technologically advanced robot? Finally, the newest program, to be unveiled in the near future is the Grand Challenge IQ (GCIQ) competition. The GCIQ is designed to challenge students with an autonomous robotic curriculum. Robotic vehicles will navigate through static and mobile obstacles while facing varying degrees of difficulty as they progress through the event at various levels of difficulties.

The manufacturing industry and many key technical businesses are supporting BotsIQ program because of its positive impact on America’s future workforce. Leading engineering, scientific, manufacturing communities—aerospace, automotive, construction, geospatial—and many other high growth and high demand technical areas are in global competition. BotsIQ is an answer to the question of “How are we as a nation going to remain the world leaders in innovation and industry?” By attracting, engaging, and educating students the BotsIQ program will continue to develop the technical talents and skills which will ensure America’s place as world leader. Join us and become a part of the solution!