

# First to Offer Exclusive AIoT Technology – STEAM Education Company Launches Global Robotics Competition

Global OneWorld Robotics Competition Launches!

Singapore – 15 November 2019

• Inaugural OneWorld Robotics Competition is set to launch with Area Competitions commencing this weekend 16-17 November 2019 in Singapore. • Robotics Competition is the very first to offer the latest in AIoT Technology. • Competition to unite students from around the world competing to solve real-world STEAM problems through the application of robotics. Competition to encourage essential STEAM skills in our youth for the future.

Company Actura, the global leader in STEAM education, robotics & coding, is on the brink of launching its first global OneWorld Robotics Competition. The competition is a stand-out with it being the first to incorporate the latest AIoT Technology. The Area Competitions commence this weekend in Singapore, with the competition bringing together hundreds of students from around the world competing to solve problems surrounding the category of “Smart Cities”. Area Competitions will occur in major cities including Singapore, Auckland, Melbourne and Sydney. The Area Competition for Singapore will kick-off the global competition around the world, with the schools hosting including Canadian International School, Dulwich College and Singapore Science Center. There will be many Singaporean schools in participation including Yio Chu Kang Secondary School among others, with students from Grades 7-9 competing.

The competition category is “Smart Cities” with students competing to solve problems surrounding this topic. Subjects to contend with will include transport congestion, pollution, environmental sustainability and over-crowding. The Autonomous Vehicle will be a solution to many of these problems and students will consider the technical, legal, social and ethical solutions, including privacy and cybersecurity risks, through their technical application of robotics and coding.

The competition will have three components – the first focusing on “Future Skills” based on Dr Tony Wagner’s (Harvard University) Seven Survival Skills. These skills will be the basis of the assessment – the skills being: Critical Thinking and Problem Solving; Collaboration Across Networks and Leading by Influence; Agility and Adaptability; Initiative and Entrepreneurialism; Effective Oral and Written Communication; Accessing and Analyzing Information and Curiosity and Imagination.

The second component – the “Technical Challenge” – will provide students with the chance to use their coding skills with five robots. One of the challenges will include mandatory use of Artificial Intelligence to code the FlipRobot hardware to mimic autonomous driving, picking up an object and arriving at a set place. This part of the competition will exclusively offer students the chance to use the latest cutting-edge AIoT technology. Using the latest FlipRobot robotics hardware and software including the FlipAIoT App, students will have the opportunity to use the Artificial Intelligence camera in the FlipRobot to navigate simulated roads.

The last component – the “Presentation”, will offer the students the chance to practice their communication and analytics skills in presenting their findings to an expert panel of judges. The panel of expert judges for Singapore includes Dr Wong Choon Yue, Mr Yusuf Pranggonoh, Mr Egmond Boon, Mr Jay Thompson and Mr Ben Morgan.

The official sponsors for the competition are the Roboto Academy of Singapore. This exclusive coding Academy aims to help students discover a passion for coding and to develop computational thinking skills applicable to all facets of their lives. The Academy strives to be the world’s leading academy in student-centric education for technology and future skills.

“We are ecstatic to be able to launch our inaugural OneWorld Robotics Competition this year, with the Area Competitions commencing in Singapore. This is an exclusive chance for us to continue to promote essential STEAM and robotics skills in the youth of today, to empower them for their futures”. Charles Chung, Chief Executive Officer (CEO), Actura Australia

“We are delighted to be the first to offer AIoT Technology within the bounds of this exciting global robotics competition. Our FlipRobot hardware and software will enable students to access cuttingedge AIoT technology”. Kurt Yang, Manager, FlipRobot Product Management

In the next thirty years, 75% of the fastest growing occupations will require STEAM-related skills. Mastering STEAM skills will be essential for students to become innovative job creators in our fastchanging society. The ability to harness STEAM skillsets will define 21st century leaders. The OneWorld Robotics Competition is set to challenge students to apply STEAM skills to solve the problems associated with navigating our smart cities of the future. Students will hone their STEAM skills including critical thinking and problem-solving in order to find solutions through robotics, and present these to a panel of industry experts.

Established in Australia in 2014, Actura provides the leading STEAM learning solution comprising of in-class to out-of-class solutions. Our FlipRobot range provides the ultimate robotic STEAM learning solution for the in-class environment. Actura continues to seek to fulfil its mission to become the most trusted STEAM education solution provider. With offices in Sydney, Melbourne, Auckland, Shanghai, Singapore and Taipei and with further international expansion on the horizon, Actura seeks to achieve its mission on a global scale.

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