

شركة آر إس للروبوتات
نحو غدٍ ذكي

RS Robotics:
Towards a Smart
Tomorrow



Powered by:



**RS MANAGEMENT EDUCATION
AND TRAINING SERVICES**

About RS Robotics

RS Robotics was founded by Prof. Dr. Roque Senga to bridge the gap between the GCC's rapid digital transformation and the traditional way technology is taught in schools. While students are eager to explore AI, robotics, and automation, many schools face barriers such as high equipment costs, evolving curriculum requirements, and limited access to trained robotics educators.

Since 2017, RS Robotics has partnered with schools across the GCC to deliver **complete robotics learning ecosystems**—including curriculum, robotics kits, teacher training, and scalable innovation labs.

“

The best part: Schools can implement a world-class STEM robotics program without any upfront investment.



Mission & Vision

Mission

To empower students with future-ready robotics and STEM skills through engaging, hands-on learning.

Vision

To be the **most trusted robotics education partner in the GCC**, developing the next generation of innovators, problem-solvers, and technology leaders.



RS ROBOTICS Your One-Stop Shop

Your Robotics Journey—Engineered for Success

RS Robotics delivers a complete STEM robotics solution—guiding your school from classroom learning to competition day with confidence.

Everything your school needs in one program:

Ready-to-Teach Curriculum

Structured robotics curriculum, weekly lesson plans, teacher guides, and engaging presentation slides.

Robotics Kits & Supplies

Complete robotics kits, components, and consumables delivered directly to your school.

Assessment & Progress Tracking

Built-in quizzes and assessments to monitor student learning and development.

Teacher Training & Support

Comprehensive training that equips teachers to confidently lead robotics classes.



GCC School Focus

Complete K–12 Robotics Programs for GCC Schools

From classroom learning to robotics competitions, **RS Robotics provides everything your school needs to build a world-class robotics program aligned with GCC education standards and regional curricula.**

Our programs deliver a **complete STEM ecosystem**—curriculum, robotics kits, teacher training, and competition pathways—designed specifically for Gulf region schools.

With **local GCC expertise and responsive support**, we partner with schools from classroom learning to major competitions such as **World Robot Olympiad (WRO), FIRST LEGO League, and regional AI & Robotics challenges.**



One Program. One Partner. A Complete Robotics Journey—from Classroom to Competition.



Age-Appropriate Learning

Building Skills That Scale

Your child's potential grows and so does our curriculum. In today's fast-changing tech world, success comes from **problem-solving, creativity, and innovation**, not memorization.

At **RS Robotics**, our progressive K-12 learning pathway develops logical thinkers and future innovators through hands-on robotics and coding.



The Learning Journey

K-2 | Logic Through Play

Students build critical thinking through sequencing games, simple robotics, and hands-on challenges.

Grades 3-8 | Engineering in Action

Block-based coding and robotics projects bring physics, motion, and design concepts to life.

Grades 9-12 | Innovation & AI

Students advance to programming, artificial intelligence, and real-world engineering projects.



K-2



Grades 3-8



Grades 9-12

More Than an Activity—A Competitive Advantage

Students gain real project portfolios, strong problem-solving skills, and the confidence to create new technologies.

Progressive Robotics Programs from Kindergarten to Grade 12



Track Record

A Decade of Building the Future

Since 2017, RS Robotics has partnered with schools across the GCC to deliver a complete, best-in-class STEM robotics program built for real classroom success.

With over 6,000 K-12 students trained, our programs transform STEM learning from theory into hands-on innovation, creativity, and problem-solving.

Our all-in-one model curriculum, robotics kits, teacher training, assessments, and competition support requires no upfront investment, making world-class robotics education easy for schools to implement.

Trusted by schools. Loved by students. Inspiring the next generation of innovators across the GCC.

Curriculum Integration

Seamless Robotics Integration for Your STEM Program

For School Owners & Principals: Build a future-ready STEM program without disrupting your existing curriculum.

At **RS Robotics**, we remove the common barriers limited time, technical resources, and complex implementation. Instead of replacing your curriculum, we **enhance and integrate robotics seamlessly** into your current academic framework.

Your Vision. Our Expertise.

We provide a structured partnership that aligns robotics education with your school's academic goals making STEM innovation **simple, effective, and impactful**.



Robotics Kits

Safe. Smart. Built for Real Learning.

Choosing the right robotics kit is essential to a successful STEM program. At **RS Robotics**, we connect ambitious curriculum goals with practical classroom implementation.

Why Our Kits Stand Out: Globally Sourced, Classroom Ready

We carefully select high-quality robotics kits from trusted global brands, aligned with GCC and international education standards.

Developmentally Aligned

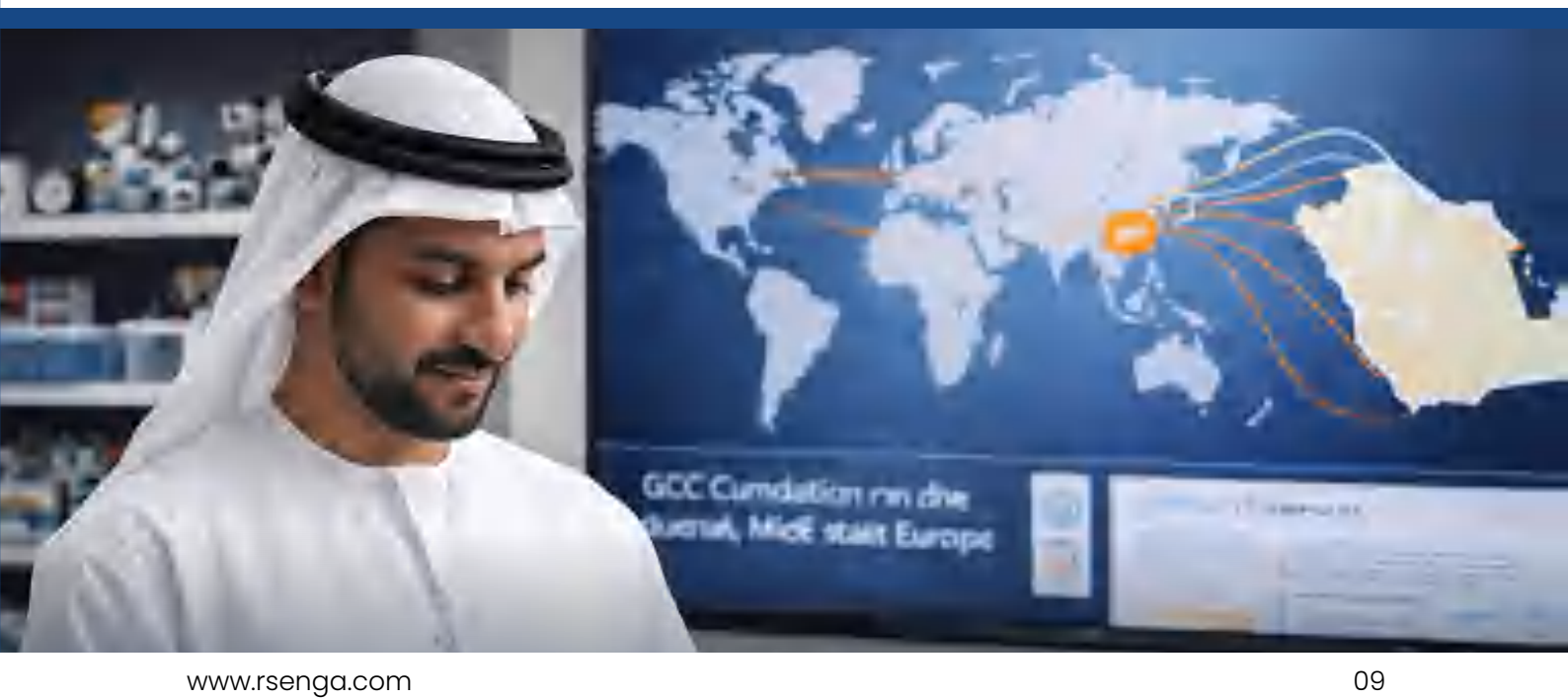
Kits are matched to students' cognitive stages—not just age—ensuring optimal challenge, engagement, and learning outcomes.

Safe-Tech Assurance

All kits are certified non-toxic, sanitized, and completely lead-free—meeting the highest safety standards

A Note to School Leaders

Too often, expensive kits end up underused. **RS Robotics** turns robotics hardware into meaningful learning tools—helping teachers teach with confidence and students build, code, and solve real-world problems



AI & ML Kits

Shaping the AI-Ready Generation

The Fourth Industrial Revolution is here. Equip your students with a competitive edge through RS Robotics' advanced AI & Machine Learning Kits.

Why Leading GCC Schools Choose RS Robotics for AI

From Theory to Application

Students build, train, and deploy real machine learning models through hands-on projects.

Globally Aligned, Locally Relevant

Designed to meet international CS standards and GCC future-skills frameworks.

Developmentally Structured

From visual coding to Python-based AI, each kit matches the learner's cognitive stage.

Future-Focused Skills

Introduces data science, computer vision, and predictive modeling for real-world readiness.

A Note to School Leaders

Are your students future-ready? RS Robotics bridges the gap between theory and real-world AI application—empowering teachers and inspiring the next generation of innovators.



Robotics Laboratories

Where Textbooks Come to Life

A robotics lab is one of the most impactful investments in hands-on STEM education. At RS Robotics, we design, equip, and support labs that transform theory into real innovation.

Why Leading GCC Schools Choose RS Robotics Labs

From Theory to Practice

Reinforce physics, math, and coding through real-world, hands-on learning.

Best-in-Class Equipment

Premium, durable robotics systems aligned with global standards and future careers.

Future-Ready & Scalable

Designed to grow from primary exploration to advanced research and competitions.

Teacher-Enabled

Comprehensive training ensures educators confidently deliver meaningful learning.

A Note to School Leaders

Is your lab underutilized or truly inspiring? RS Robotics creates labs that are actively used—empowering students to build, experiment, and innovate.



Robotics After-school Clubs

Turnkey Robotics Club for Your School

After-school clubs should **enrich students and strengthen your school's offerings—without adding administrative burden.**

RS Robotics delivers a complete, worry-free robotics club program. We provide the expert instructors, engaging curriculum, and all robotics materials.



You provide the space—together we create a vibrant hub of innovation for your students.



Robotics Competition Training

Your School's Pathway to the Podium

For School Owners & Principals :

Build a winning robotics team without the operational strain.

Robotics competitions inspire students, strengthen STEM skills, and bring recognition to your school. However, preparing competitive teams requires time, expertise, and resources.



RS Robotics makes it simple

We deliver a complete competition training program that equips students and faculty coaches for success—from fundamentals to championship-level performance.



Teacher Professional Development

Empower Educators. Elevate Your Robotics Program.

For School Owners & Principals:

Build strong, in-house STEM expertise.

A successful robotics program depends not only on technology but on **confident and capable teachers**. RS Robotics provides professional development that transforms educators—regardless of background—into skilled facilitators of robotics and coding.

This ensures **long-term program success, sustainability, and maximum value for your school**.

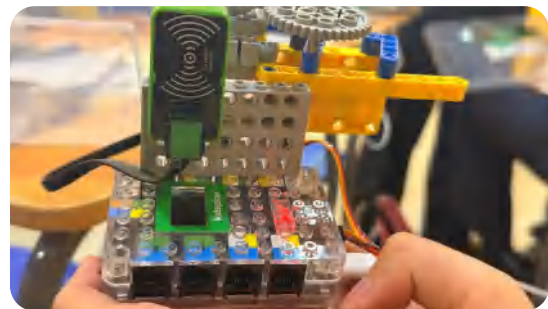


OUR CLIENT: TPS – Dubai

The Philippine School – Dubai

Grade Levels:

Kindergarten to Grade 12 (2,650 Students)



OUR CLIENTS: TPGS & TPS – Abu Dhabi

The Philippine Global School – Abu Dhabi

Grade Levels:

Kindergarten to Grade 10 (1,300 Students)



The Philippine School – Abu Dhabi

Grade Levels:

Kindergarten to Grade 12 (600 Students)



WHY CHOOSE US

Why Choose RS Robotics?

Complete Turnkey Solution

Curriculum, robotics kits, consumables, teacher training, and competition pathways in one program.

No Upfront Investment

Launch a world-class robotics program without heavy capital costs.

Aligned with GCC School Inspection Frameworks

Designed to fit regional curricula and performance standard requirements.

Ready-to-Teach Curriculum

Structured lessons, teacher guides, and engaging classroom resources.

Teacher Training & Support

We empower your educators to confidently lead robotics classes.

Hands-On STEM Learning

Students learn through building, coding, and real-world problem-solving.

Competition Pathways

Prepare students for events like WRO, FIRST LEGO League, and regional robotics challenges.

Local GCC Expertise

Responsive support and experience working with schools across the region.

Proven Track Record


Thousands of students trained and schools successfully implementing robotics programs.

Future-Ready Skills

Develop creativity, innovation, and critical thinking for tomorrow's careers.





 +971 503243781

 roque@rsenga.com | info@rsenga.com

 www.rsenga.com

 Fujairah Twin Towers, Fujairah, United Arab Emirates



Our Website 