

2025 World GreenMech Contest Manual



Hosts



天主靜宜大學
教宜大
PROVIDENCE UNIVERSITY



世界機關王協會
World Forum For GreenMech Promotion

Co-Organizers



GENIUS TOY TAIWAN CO., LTD.



World GreenMech Contest

2025

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World GreenMech Contest

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Overview

1. Overview

Contest Purpose

The 2025 World GreenMech Contest is a fun engineering competition run by the World Forum For GreenMech Promotion. Using scientific principles, this competition combines the following five aspects of learning and growing: Science, Technology, Engineering, Art, and Mathematics, also referred to as STEAM.

There are three contests: (i) GreenMech (ii) R4M and (iii) GreenMech Jr.

The two contests GreenMech & R4M inspire contestants to engage in scientific study, creative problem solving, and help them better understand the use of scarce resources in project planning. Contestants can enjoy pitting their different skills and creativity against each other in a fun and friendly environment. There is ample opportunity for all contestants to show the benefit of their contribution.

The GreenMech Jr. contest has two components – “Science” and “Programmer”. Science is an entry-level opportunity for learners to get involved in simple engineering projects. It's specially designed for children aged 5-9. Jr. Programmer uses a variety of code-oriented challenges to develop programming logic and problem-solving skills. Contestants can enjoy all the fun of hands-on design, teamwork and scientific literacy. The structure of the course, combined with a fun learning environment, means that children absorb the knowledge, skills and experience, taking it into their adult lives.



In order to meet the needs of multinational competition promotion, the eight-nation alliance was signed in 2012. In 2024 has been growing to become 17 regions: (add Indonesia, Malaysia, Vietnam, Mongolia, Macao)



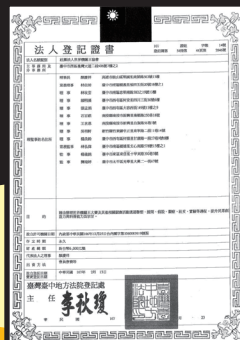
S S = Science

T T = Technology

E E = Engineering

A A = Art

M M = Mathematics



World GreenMech Contest

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Introduction

2. Introduction

The GreenMech contest was established in 2006, this year we are celebrating the 19th annual contest !



GreenMech (GM, since 2006)

- Inspiring children's enthusiasm for learning.
- Giving children the opportunity for hands-on engineering experiences.
- Turning textbook knowledge into real, design solutions.
- Work in tight-knit teams (3-4), designing and assembling within challenging time limits.



Robot for Mission (R4M, since 2015)

- Inspiring creativity and curiosity about scientific techniques.
- Extending experiences from WGM to include remote control and programming functions.
- Work in tight-knit teams (3-4), designing and assembling within challenging time limits.



GreenMech Junior (GMJr, since 2018)

- Opportunities for our youngest engineers and designers to get involved. (Designed for kindergarten and elementary school grades 1 to 4).
- Simple task design allows students to enjoy hands-on fun while learning valuable teamwork skills.



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Contest Schedule



3-1. GreenMech (Basic) Schedule

Time	Item	Remarks
07:40 ~ 08:20	Registration	<ol style="list-style-type: none">1. Time to enter the venue and find your own team table. Please put all the contest material under the table in order. Contestant can start to assemble the Jumbo Base Grid (60*180 cm) on the table.2. Only contestants may be in the competition area after 8:00 a.m. Team leaders and parents/guardians are not permitted after this time.
08:00 ~ 08:50	Materials Check & Registration Check	<ol style="list-style-type: none">1. The team leaders may not enter the competition venue after 8:00 a.m.2. Judges will carry out a building materials inspection. Except for the chain, no blocks may be assembled in advance.3. After a brief inspection, teams will be given a "qualified" label, whereupon contestants should sit at the table and may not touch the materials.4. Personal items can be brought into the venue but must be placed on the table in conjunction with the inspection records.5. Contestants need to present their Certificate of Student Enrollment at this time, see the Regulations for more information.
08:50 ~ 09:00	Opening Ceremony & Clarification of Rules	
09:00 ~ 10:30	Production & Testing Time	<ol style="list-style-type: none">1. Please observe all competition rules.2. When leaving, do not run, be careful not to touch another group's work.3. There will be 90 minutes between commencement and lunch.
10:30 ~ 12:30	Appraisals	Please refer to the Regulations
12:30	Award Ceremony	Organizers make every effort to finish on time, but patience may be required depending on announcements and other possible delays.

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Contest Schedule

3-2. GreenMech (Advanced) Schedule

Time	Item	Remarks
07:40 ~ 08:20	Registration	<ol style="list-style-type: none">1. Time to enter the venue and find your own team table. Please put all the contest material under the table in order. Contestant can start to assemble the Jumbo Base Grid (60*180 cm) on table.2. Only contestants may be in the competition area after 8:00 a.m. Team leaders and parents/guardians are not permitted after this time.
08:00 ~ 08:50	Materials Check & Registration Check	<ol style="list-style-type: none">1. The team leaders shall not enter the competition venue after 8:00 a.m.2. Judges will carry out a building materials inspection. Except for the chain, no blocks may be assembled in advance.3. After a brief inspection, teams will be given a "qualified" label, whereupon contestants should sit at the table and may not touch the materials.4. Personal items can be brought into the venue but must be placed on the table in conjunction with the inspection records.5. Contestants need to present their Certificate of Student Enrollment at this time, see the Regulations more information.
08:50 ~ 09:00	Opening Ceremony & Clarification of Rules	Participants attend the opening ceremony.
09:00 ~ 11:40	Production & Testing Time	<ol style="list-style-type: none">1. Please observe all competition rules.2. When leaving, do not run, be careful not to touch another group's work.3. There will be 160 minutes between commencement and lunch.4. By 11:00 a.m. the Scientific Principles reference table will be collected by the Organizer.
11:50 ~ 12:30	Lunch	Remember to assist in sorting the trash.
12:30 ~ 12:50	Announcements	<ol style="list-style-type: none">1. Contestants should wait for the Organizer's announcements and then be prepared to continue.2. If Contestants are not present at this time, they may not continue with the competition.
12:50 ~ 13:00	Fine-tuning	Wait for the Organizers instruction to begin.
13:00 ~ 16:30	Appraisals	Please refer to the Regulations.
16:30 ~ 17:10	Grading Time	Parents, teachers and peers may enter and discuss the projects.
17:10	Award Ceremony	Organizers make every effort to finish on time, but patience may be required depending on announcements and other possible delays.

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Contest Schedule

3-3. Robot for Mission (Basic/Advanced) Schedule

Time	Item	Remarks
07:40 ~ 08:20	Registration	<ol style="list-style-type: none"> 1. After registration, contestants should enter the venue and not leave until the event has concluded. 2. After 8:00 a.m. only contestants may be in the competition area. Team leaders and parents/guardians are not permitted after this time.
08:00 ~ 08:50	Materials Inspection	<ol style="list-style-type: none"> 1. Team leaders must stay in their assigned areas after 8:00 a.m. and may not enter the competition venue. 2. Judges will carry out a building materials inspection. Blocks may not be assembled in advance. Chains are the only exception to this rule. 3. After passing the materials examination, a qualified label will be applied. Students should then sit at the table and wait without touching the materials. 4. Personal items like bags can be brought into the venue but must be placed on the table in keeping with the inspection record. 5. Contestants need to submit their Certificate of Student Enrollment, see the Regulations for more information.
08:50 ~ 09:00	Clarification of Rules	<ol style="list-style-type: none"> 1. Clarification of the rules and precautions of the competition
09:00 ~ 11:00	Assembly & Practice Time	
09:30 ~ 11:20	Work Submission Period	<ol style="list-style-type: none"> 1. Check to confirm the robot does not contain metal parts. 2. Participating robots (including any spares and the automation platform) must be verified by judges and will be retained until the contest time. 3. 5-Points may be deducted for messy or untidy work areas. 4. For robot size regulations please adhere the regulations of R4M Basic and R4M Advanced. 5. After submitting a project, contestants need to clear away all items from the competition area including notebook, blocks, and any unused electronic control equipment.
11:20 ~ 12:30	Lunch	After lunch contestants are expected to assist with sorting trash and keeping the competition area clean.
12:30 ~ 12:50	Announcements	When entering the venue, contestants may only carry a notebook, tablet, or mobile phone. Other items are not permitted.
13:00 ~ 16:30	Competition Time	
16:30	Awards Ceremony	Organizers make every effort to finish on time, but some patience may be required depending on announcements and other possible delays.

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Contest Schedule

3-4. GreenMech Jr. (Science) Schedule

Time	Item	Remarks
08:00 ~ 09:00	Registration & Materials Inspection	<ol style="list-style-type: none"> 1. Contestants should refer to the team location map on the official website before the contest begins, so they can go directly to their team table and report on the day of the contest. 2. Contestants should check the provided materials against the list they are given. If there is any part missing, the staff must be informed before the contest begins. Once the production time begins, materials cannot be replenished or replaced. 3. Contestants need to present their Certificate of Student Enrollment at this time.
08:50 ~ 09:00	Opening Ceremony & Clarification of Rules	Lot Drawing <ol style="list-style-type: none"> 1. The scoring area of 80 points for Competition One 2. The number of heavy objects for Competition Two
09:10 ~ 09:35	Competition One: Assembly & Practice Time	<ol style="list-style-type: none"> 1. Contestants can only use materials provided by the organizer on-site, please see 9.3 in the full Rule Book for more information. 2. Models produced for the competition are built and tested at the same time.
09:35 ~ 10:15	Competition One: Swimming Turtle Competition Time	<ol style="list-style-type: none"> 1. During the competition, the work and the peg remover should be placed on the storage box with the lid locked, and the rest of the materials should be stored in the box; no other parts may be used for modification or production. 2. Models (including the work and the slope) will be weighed before the competition begins.
10:15 ~ 10:35	Competition Two: Assembly & Practice Time	Contestants can only use materials provided by the Organizer on site, please see the Regulations for more information.
10:35 ~ 11:15	Competition Two: Spawning Seahorse Competition Time	<ol style="list-style-type: none"> 1. During the competition, the work (with the rubber tires installed) and the peg remover should be placed on the storage box with the lid locked, and the rest of the materials should be stored in the box, and no other parts may be used for modification or production. 2. Models (including the work and the string) will be weighed before the competition begins.
11:15 ~ 11:50	Calculation and Confirmation of Scores	
11:50	Awards Ceremony	

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Contest Schedule

3-5. GreenMech Jr. (Programmer) Schedule

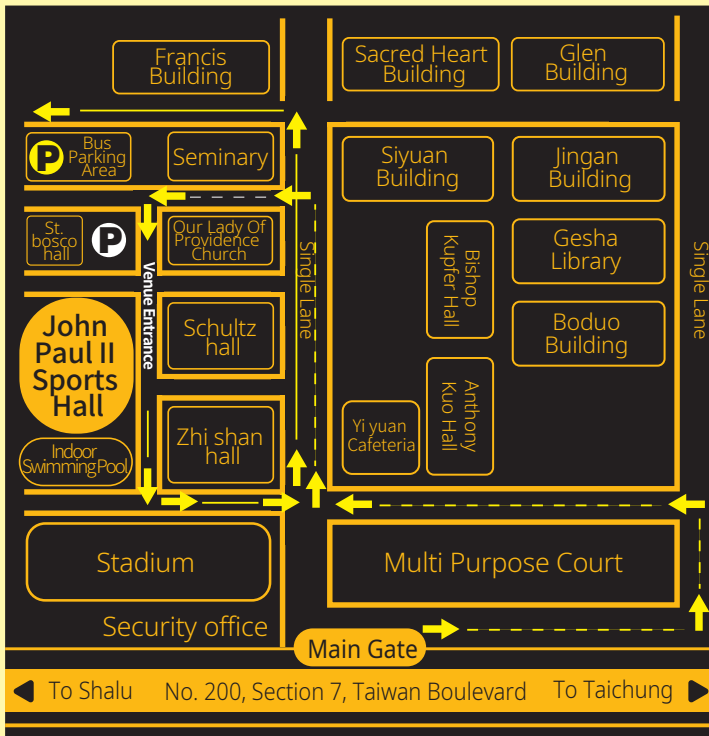
Time	Item	Remarks
13:30 ~ 13:50	Registration & Materials Inspection	Teams may bring up to 3 robot control boxes, but all device memories must be erased during inspection.
13:50 ~ 14:00	Clarification of Rules	
14:00 ~ 15:40	Official Competition Time (Lot drawing)	
15:40 ~ 16:10	Grading Time	
16:10	Awards Ceremony	Following the instructions of the chief referee, all teams move to the awards venue.

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Contest Floor Plan

4-1. Campus Map



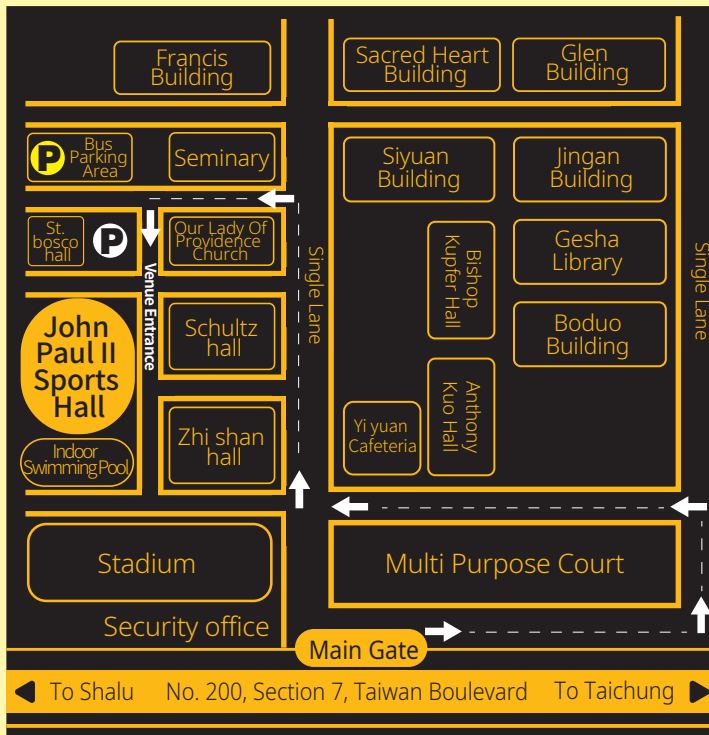
- ➡ Shuttle Bus Entry Route
- Shuttle buses must park in Parking Lot 2.

1. Each vehicle must display the parking permit prominently on the windshield for inspection by the university security office. If a vehicle without a permit is found during campus patrols, Providence University reserves the right to lock the vehicle immediately for unauthorized parking.
2. Large vehicles and tour buses may park in Parking Lot 2 near the hilltop. Please ensure the vehicle is parked properly within a designated parking space.

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Contest Floor Plan



- ➡ White arrows: Entry route for passenger cars
- Passenger car self-parking

All vehicles must park within designated parking spaces. Each vehicle must display the parking permit prominently on the windshield for inspection by the university security office. If a vehicle without a permit is found during campus patrols, Providence University reserves the right to lock the vehicle immediately for unauthorized parking.

1st Floor Layout Diagram

Administra-
tion Office

Faculty
Research
Room

♂ ♀
TOILET

Gym

Table
Tennis
Room

Conference
Room

Spin
Classroom

Parent
Lounge

Climb-
ing Wall

Stairs

♂ ♀
TOILET

Indoor
parking

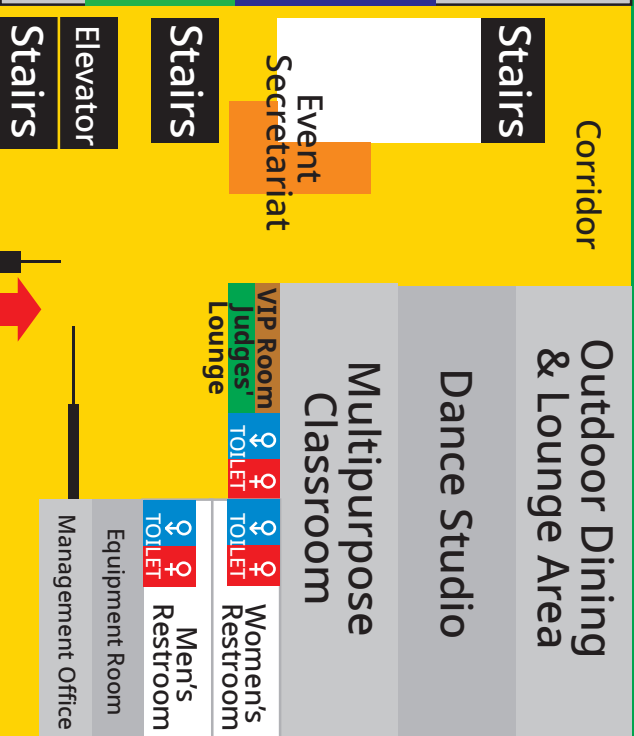
Elevator

**Award
Certificate
Area**
/ **Rest Area**
(Winners & Honorable Mentions Collection)

Faculty Research Room

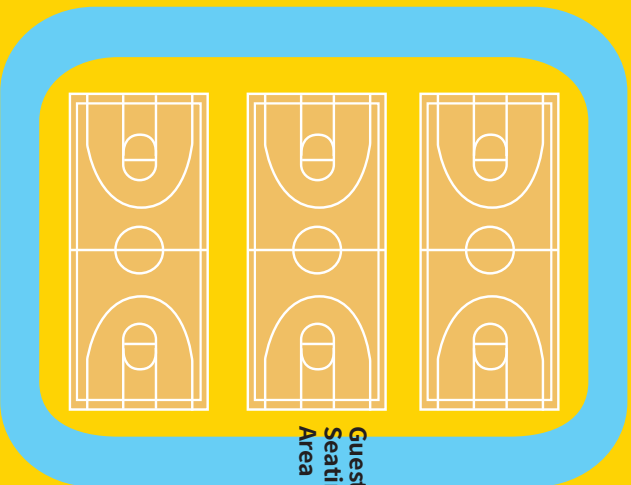
1st Floor Layout Diagram

2nd Floor Layout Diagram



(Morning) 2nd Floor Layout Diagram – GreenMech&GMJr. S

3rd Floor Layout Diagram

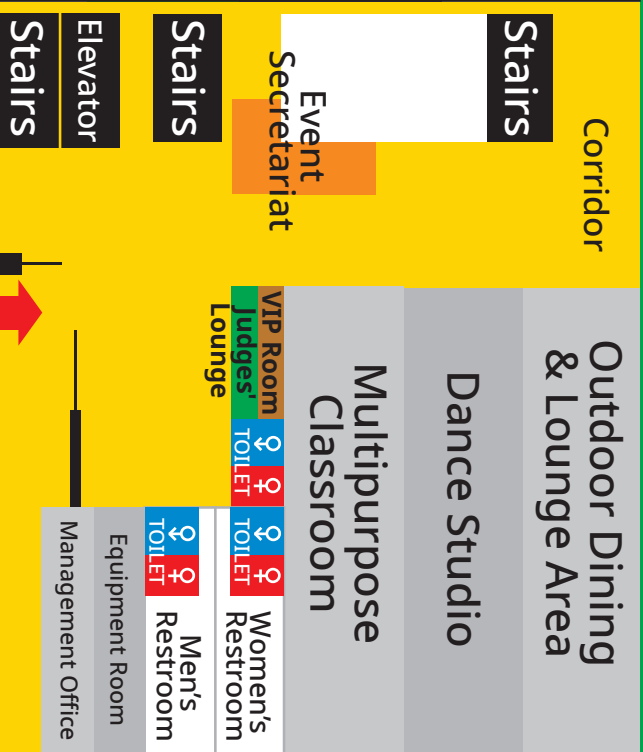


Guest Seating Area



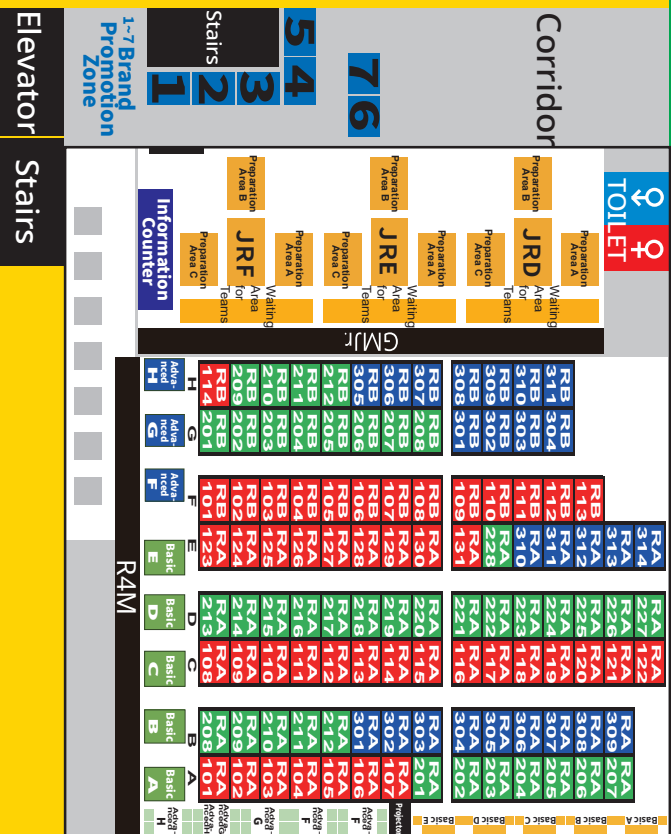
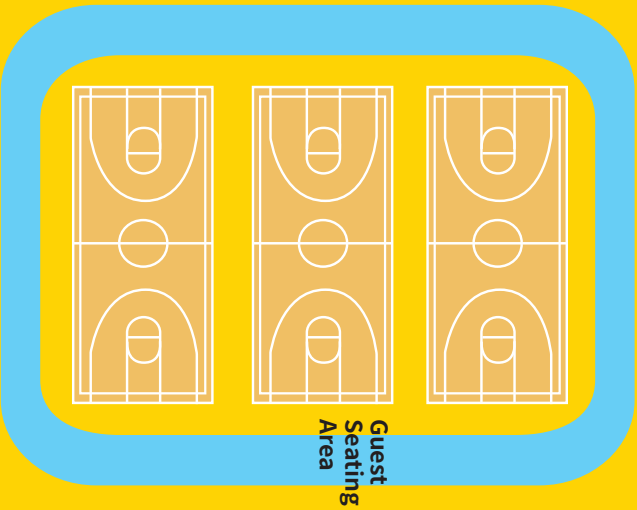
(Morning) 3rd Floor Layout Diagram – R4M&GMJ.r.s

Main Stage



(Afternoon) 2nd Floor Layout Diagram – GreenMech&GMJr. P

3rd Floor Layout Diagram



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Contest Floor Plan

4-2. GreenMech Basic

Team Location Map

Main Stage

2F

GMJR

GreenMech-Basic

Elementary School

Junior High School

Senior High School

GEB01 驚小maker one	GEB02 機智興戰隊	GEB03 文武雙全	GEB04 板橋國小-創客機關王	GEB05 積關算晉	GEB06 中信機關隊	GEB07 全村的希望	GEB08 昱娜沐艾	GEB09 南投至誠國小	GEB10 芋圓柚子
GEB20 創義機關王	GEB19 能量守恒	GEB18 學進蛇米擺賀	GEB17 青梅竹馬	GEB16 旭澄行志	GEB15 文心LALALA	GEB14 鯨采20小奇(積)兵	GEB13 機不可失	GEB12 台中-光復蛇來運轉	GEB11 鱈魚王國
GEB21 機關大師	GEB22 派森好夥伴	GEB23 社會島的因仔	GEB24 文積起舞	GEB25 奕欣祥承功	GEB26 基礎科學菁英 team 1	GEB27 TRUONG TIEU HOC DICH VONG A	GEB28 DONG CHAY XANH	GEB29 沙登埠公民華小之光	GEB30 Luminous Ocean
GMB04 米奇狗狗屋	GMB03 我愛下課	GMB02 圓叉聯合國	GMB01 中華民國空軍	GEB36 什麼碗糕	GEB35 Gadget Tech	GEB34 NGUYEN SIEU GREENSTARS	GEB33 LY Tectonics	GEB32 馬來西亞霹靂怡保之光	GEB31 Biomec-haneers
GMB05 巴貝多	GMB06 麻糬	GMB07 汪汪隊	GMB08 奇積隊	GMB09 我不知道	GMB010 FSS STEAM TEAM	GMB011 八通十六蓮	GMB12 哈騎隊	GMB13 火箭向東飛	GMB14 Elite Biosync
GMB24 Beidou one	GMB23 IQ180 EQ0	GMB22 團結大隊之隊員三缺一	GMB21 悍將少年	GMB20 T.H.A	GMB19 迦密人	GMB18 黑狗幫	GMB17 Green Frog	GMB16 The Catalysts	GMB15 Sniper
GMB25 信義機關	GMB26 頭殼麻麻組	GHB01 機不可失	GHB02 機不離手衝鋒隊	GHB03 神奇妙妙屋	GHB04 NKLL	GHB05 想不到吧	GHB06 PA.Pine	GHB07 PER-MATAURA	GEB08 Yco Gears
					GHB13 Team of Hong Kong True Light College	GHB12 YLSH-年愁的今夜	GHB11 魚福丸	GHB10 Elite Nimology	GHB09 Association of Mahasigma

GreenMech-Advanced

Elementary School

Junior High School

Senior High School

GEO02 CS閃電封神隊	GEO01 進階殺手隊								
GEO03 三和GM進階第一	GEO04 機關大王	GEO05 創意小蘋果	GEO06 機智小組	GEO07 臺中好棒棒	GEO08 基礎科學菁英 team 2	GEO09 未來智慧	GEO10 做就對了	GEO11 東東樂團	GEO12 珍惜資源就是隊
GMA01 Enjoy	GEO21 火箭發射	GEO20 MTES 卡棒狂人	GEO19 嘎嘎Q	GEO18 剛好什麼都可以	GEO17 度度博物館	GEO16 門陣作伙 Baseball	GEO15 登峰造紙隊	GEO14 KN. Study Wars	GEO13 Elite Squad
GMA02 石岡小子們	GMA03 寄生蟲	GMA04 QCV	GMA05 瓶安一生	GMA06 芬中好棒棒	GMA07 The Leader in Me	GMA08 藝飛沖天	GMA09 CO 2 NEW-WORLD	GMA010 Singrongkra-chome	GMA011 Niche Catalyst
GMA21 北新妙手生華隊	GMA20 THJH_Ex-Tech	GMA19 藝鳴驚人	GMA18 大乾麵	GMA17 「英」為有你「明」天更好	GMA16 WHY	GMA15 華漾青春	GMA14 THE GOD OF S.L.K.	GMA13 It's Giving Sustainability	GMA12 Elite Geniuses
GMA22 樂屏東	GMA23 瓊稻廳宮原	GMA24 循環先鋒	GMA25 快樂小動物	GHA01 FSS5	GHA02 FSS4	GHA03 TCOS STEAM TEAM	GHA04 SIGMA SMOG	GHA05 SK STRIVER	GHA06 ALMECH FORCE
GHA11 鐘之谷		GHA10 霹靂卡霹靂拉拉波力萬員萬多隊		GHA09 我就知道		GHA08 豆豆先生		GHA07 豌豆射手大隊	

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Contest Floor Plan

4-3. Robot for Mission

Team Location Map

3F

Venue A	Venue B	Venue C	Venue D	Venue E	Venue F	Venue G	Venue H
Referee Second Referee 施慧如 國外副審	Referee Second Referee 周姁芯 國外副審	Referee Second Referee 洪睿環 國外副審	Referee Second Referee 謝清仁 李志輝	Referee Second Referee 谷俊龍 吳貴榮	Referee Second Referee 曾如意 張慧嫻	Referee Second Referee 吳豪承 李美瑋	Referee Second Referee 王世恩 陳秋雅
RA 101 Omega Ecobot	RA 208 TCCS roBotics team	RA 108 大豐B	RA 213 我們的隊名剛好十個字	RA 123 機戰先鋒	RB 101 PSP Zenith hunters	RB 201 佳佳簡簡	RB 114 CCC Kei Tsz Primary School
RA 102 Alpha Ecobot	RA 209 Bidyt Innovation - India	RA 109 海軍陸戰隊	RA 214 哈囉你好嗎	RA 124 長興NO.1	RB 102 SYB, next robot one	RB 202 Taiwan NO.1-A	RB 209 TCCS Conquer-or team
RA 103 STS02	RA 210 THCS HUU BANG	RA 110 信義好玩 2	RA 215 山豬	RA 125 SGPS-B	RB 103 黃金拍檔	RB 203 小藏藏	RB 210 JTS team Ba One
RA 104 G-Labs R4M	RA 211 TOAN THANG	RA 111 不要針隊	RA 216 蘭分蘭捨	RA 126 亂碼探險家	RB 104 隨便接都通	RB 204 Z.Z.Z.Z	RB 211 SK New Project
RA 105 Divine Power 3	RA 212 FPT BAC NINH WARRIORS	RA 112 大豐A	RA 217 麻吉黑熊	RA 127 草團小創客你最棒	RB 105 特務King	RB 205 被遺棄者的崛起	RB 212 WCP3 - UN-NERDY
RA 106 UNITY	RA 301 RAZORS SMA SUTOMO 1	RA 113 謝黃牛張芝	RA 218 烈火不滅 V.S 有夢最美	RA 128 蛇麼都隊	RB 106 四個天兵	RB 206 限定七個字	RB 305 SK LEGEND
RA 107 FLS STEAM Legends	RA 302 MARS SUTOMO 2	RA 114 信義好玩 1	RA 219 Taiwan NO.1-B	RA 129 無敵星皇隊	RB 107 永和小愛思丁 4	RB 207 THT	RB 306 WCP1 - ONE ARM
RA 201 HACONA MATATA SMP SUTOMO 1	RA 303 Tarak-anita Innova-trons	RA 115 洪黃宏隊	RA 220 桃市建國	RA 130 草團小創客好棒棒	RB 108 SGPS-A	RB 208 不知道要取什麼	RB 307 The Exotic
RA 202 POTIO-NWIN SMP SUTOMO 1	RA 304 OREO SUPREME	RA 116 三和R4M基礎第二	RA 221 水星的魔女	RA 228 萬和R4M	RB 109 你輸我對不隊	RB 301 宜中豬豬俠	RB 308 JTS BAO BAO HAI
RA 203 The A Team SMP SUTOMO 1	RA 305 Bionic	RA 117 大明妙妙屋	RA 222 信義機任	RA 229 立新保時捷	RB 110 機冠王	RB 302 米迪亞暴龍二軍	RB 309 VICTORIOUS SMA SUTOMO 1
RA 204 The Last Spark	RA 306 QUATRO SMAK 4	RA 118 關聖帝君	RA 223 香香炫	RA 310 宜中開路者	RB 111 龍飛鳳舞	RB 303 炎炎冰茶	RB 310 AGS01 Team
RA 205 PRIDE-C P2C	RA 307 泉家就是你家	RA 119 三和R4M基礎第一	RA 224 碳纖維地爬蟲	RA 311 好啦你說的都隊	RB 112 永和小愛思丁 3	RB 304 米迪亞暴龍	RB 311 Real Steel
RA 206 Chrono-C Labs	RA 308 機器人狂潮	RA 120 永和小愛思丁 2	RA 225 軍權制度	RA 312 TL	RB 113 一加一等於三		
RA 207 INDEPENDENCE	RA 309 螞蟻統治世界	RA 121 菜就多練	RA 226 不滿不歸	RA 313 噶啦啦噶啦啦			
		RA 122 北旗尾創客	RA 227 覺醒聯盟隊	RA 314 魷魷魷魷			

GMJR

Elementary School

Junior High School

Senior High School

World GreenMech Contest

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Contest Floor Plan

4-4. GreenMech Jr.

Team Location Map

GMJr. Science

2F Basketball Court

Main Stage

JSA01 炫豐smart JSA02 咖波	JSA07 布拉克戰隊4 JSA08 布拉克戰隊3	JSA11 Red Fire JSA12 成功19隊	JSB01 學進勁猛 JSB02 卑錯釘	JSB07 德化小創客 JSB08 蝴蝶步	JSB11 月耀小創客 JSB12 文雅科技創章家	JSC01 龍兄弟弟 JSC02 海豚小勇士	JSC07 積木探險隊 JSC08 童心協力	JSC11 文雅科學隊 JSC12 跑跑冠軍
JSA03 精不可失 JSA04 恐龍來了·跑呀!	JRA	JSA13 龍 JSA14 亂七八糟	JSB03 聞定無敵 JSB04 礁溪強棒	JRB	JSB13 幸運意志 JSB14 三好	JSC03 炫豐A JSC04 炫豐GO	JRC	JSC13 最好的隊友 JSC14 苙金戰隊
JSA05 光采奪木 JSA06 輪敵兄弟	JSA09 布拉克戰隊2 JSA16 布拉克戰隊1	JSA15 月眉創客 JSA16 小企鵝	JSB05 武林高手 JSB06 救不活隊	JSB09 人見仁愛gogogo JSB10 機關之星	JSB15 貳樂 JSB16 一光	JSC05 超級戰隊 JSC06 麗湖雙星	JSC09 胡思胡搞 JSC10 贏了對就	JSC15 綠西殺手隊 JSC16 HOPE-2

GM

3F Tennis Court

R4M

JSD01 荷風蓮 JSD02 死神卡比	JSD07 雙入徐Jr. JSD08 防暴創客	JSD11 中信創客隊1 JSD12 中信創客隊2	JSE01 金鉅呈祥 JSE02 月眉馬戲團	JSE07 青鐵街 JSE08 童學同樂	JSE11 SPEED X - TOC DO - DOT PHA JSE12 TRU HOC VIET NAM TINH HOA	JSF01 PPIP DEKTHP JSF02 PSP Victory Crew	JSF07 Java Sparrow 6 JSF08 Angela's Kids The Little Engineer	JSF11 Smart4City JSF12 Stars
JSD03 臺中小達人 JSD04 驚小創課小丸子	JRD	JSD13 角落生物 JSD14 夢幻隊	JSE03 驚小創客站 JSE04 智慧宇宙人	JRE	JSE13 BotXcelators JSE14 The Nexus Collective	JSF03 BRN Junior I JSF04 B.R. ROBOTIX	JRF	JSF13 Galaxy Engineers JSF14 Dream Creators
JSD05 品康琳 JSD06 拆運勇士	JSD09 南投至誠國小 JSD10 北旗庫福木3號隊	JSD15 天外奇積 JSD16 興德GOGOGO1	JSE05 綠西冠軍隊 JSE06 綠西照宸隊	JSE09 亞小創客英雄 JSE10 THUONG HOC NGUYEN VIET XUAN	JSE15 PPIP Copter9 JSE16 PSP A-RI-DEE-NA	JSF05 Bright Minds Felly JSF06 Laudatos Ecobot	JSF09 NeoEngineers JSF10 Techtwins	JSF15 Star kids JSF16 Avkhaalfjal nuuhduud

GMJr. Programmer

2F Basketball Court

Main Stage

Preparation Area B		Preparation Area B		Preparation Area B	
Preparation Area A	JRA	Preparation Area C	Preparation Area A	JRB	Preparation Area C
Waiting Area for Teams		Waiting Area for Teams		Waiting Area for Teams	

GM

3F Tennis Court

R4M

Preparation Area B		Preparation Area B		Preparation Area B	
Preparation Area A	JRD	Preparation Area C	Preparation Area A	JRE	Preparation Area C
Waiting Area for Teams		Waiting Area for Teams		Waiting Area for Teams	

World GreenMech Contest

2025

Awards

5. Number of Awards

Competition	GM		R4M		GMJr.			
Category / Division	Basic	Advanced	Basic	Advanced	Science	Coding		
Elementary School	Gold Medal 1	Gold Medal 1	Gold Medal 1	Gold Medal 1	Gold Medal 1 Silver Medal 3 Bronze Medal 6	Gold Medal 1 Silver Medal 2 Bronze Medal 3		
	Silver Medal 2	Silver Medal 2	Silver Medal 2	Silver Medal 1				
	Bronze Medal 3	Bronze Medal 3	Bronze Medal 3	Bronze Medal 1				
Junior High School	Gold Medal 1	Gold Medal 1	Gold Medal 1	Gold Medal 1				
	Silver Medal 2	Silver Medal 2	Silver Medal 2	Silver Medal 1				
	Bronze Medal 3	Bronze Medal 3	Bronze Medal 3	Bronze Medal 1				
Senior High School	Gold Medal 1 · Silver Medal 1 · Bronze Medal 1							



World GreenMech Contest

2025

Awards



Remarks

- 1.The Contest Organizers hold the right to adjust the above prize schedules for any reason, which may mean increasing or decreasing them. The total number of teams entered in the competition may be a factor in deciding final prizes if the number of contestants' changes.
- 2.The Gold Medal, Silver Medal, Bronze Medal winners will be announced on the day of the contest. All certificates will be sent to the first named person listed on the registration document. If time permits, the Organizer will start distributing the certificates about 30 minutes after the award ceremony. For teams that do not collect their certificates within the announced time on the contest day, a mailing fee may apply for post-event delivery. However, if the Organizer cannot start distributing the certificates about 30 minutes after the award ceremony, certificates for winning teams will be sent to the first named advisor listed on the registration document.
- 3.All contestants will be presented with digital certificates as a gesture of encouragement. These certificates will be downloadable by contestants and team leaders after the contest, and can be printed by participants.

World GreenMech Contest

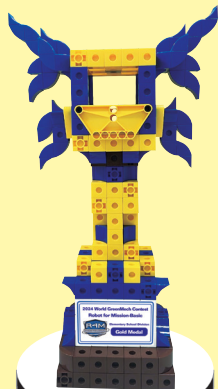
2025

information

GM, R4M & GMJr. Trophies



GreenMech



R4M



GMJr.

Contestant Medals



All

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Global Thermal Solutions Leader

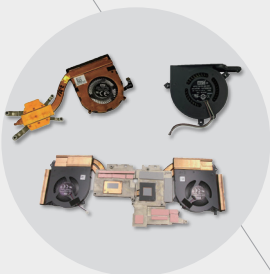
AVC, a global leader in thermal solutions, was founded in 1991 and listed on the Taiwan Stock Exchange in 2002 (TSEC#3017). It is also a constituent of the FTSE Global Equity Index Series. As a pioneer in thermal and mechanical components, AVC is committed to creating long-term value for its customers, with the goal of ensuring satisfaction and mutual success.

As a comprehensive thermal solutions provider, AVC recorded revenue exceeding NT\$70 billion in 2024. The company employs over 18,000 people worldwide, including more than 1,700 engineering experts in its R&D team. To date, AVC holds 3,462 patents in the field of thermal product design.

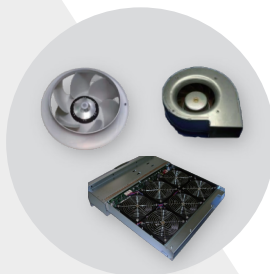
AVC offers three core product categories:

- 1 Fans** : Customized and optimized fan solutions for PCs, servers, and telecommunications equipment.
- 2 Thermal Components** : Including cold plates, heat pipes, vapor chambers (2D/3D VC), and heatsinks.
- 3 Mechanical Components** : Such as racks, enclosures, manifolds, rail kits, and rack manifolds.

These solutions are widely applied across consumer electronics, networking equipment, and AI server platforms.



consumer electronics



networking equipment



AI server platforms

Recognized for its ability to provide next-generation thermal system design and simulation, AVC also distinguishes itself through its large-scale automated manufacturing, integrated production capabilities for key components, operational agility in response to geopolitical challenges, and robust financial foundation that supports the needs of major cloud service providers (CSPs).





World Forum For GreenMech Promotion

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Official Website

Organizer



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