

"BUILDING Our Future" Grand Challenge 2025 (Singapore Stage)

Many big and bustling metropolises like Hong Kong and Singapore are often described as a “concrete jungle” due to its high population density and intense urbanisation. Striking a balance between urban development and ecological conservation remains a considerable challenge. We invite students to unleash their creativity and harness technology to steer our society towards a sustainable future, with the aim of transforming international cities into ecological hotspots!

Think outside the box and explore a mutual gain between urban development and ecological conservation! Join our Grand Challenge and create compelling proposals that not only showcase a wise use of STEAM knowledge but also encourage cities to play an active role in meaningful community engagement with nature.

Division

Chinese Division

English Division

Eligibility

- S.2- 3 (Year 9-10) students in the School Year of 2025
- Form a team of 2 to 4 persons
- School nomination is mandatory

Key Dates

Briefing Session:	21 Aug 2025
Round 1 Submission Deadline:	5 Jan 2026
Round 2 Submission Deadline:	23 Jan 2026
Shortlist Announcement:	6 Feb 2026
Grand Challenge Seminar:	Dates to be announced
Grand Finale & Awards Ceremony:	7 Mar 2026

Awards and Grand Prizes* (for each category)

Singapore Stage Awards and Prizes (by category)
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Grand Champion	<ul style="list-style-type: none"> • Award Trophy (per team) • Award Certificate (per student) • HK\$10,000 (≈SG\$1,650) Cash Prize (per team)
1st runner-up & 2nd runner-up	<ul style="list-style-type: none"> • Award Trophy (per team) • Award Certificate (per student)
Shortlisted Teams	<ul style="list-style-type: none"> • Certificate of Excellence (per student) • Free Admission to “Grand Challenge Seminar” (per student) • Free Admission to Industry Tour (per student)

**All shortlisted teams must attend the Industry Tour, Grand Challenge Seminar, and Grand Finale. The main organizer reserves the right to revoke the award and/or prize of any shortlisted team who fails to attend. Awards and grand prizes are subject to change without prior notice. In case of dispute, the decisions of Tram Plus Limited shall be final.*

Judging Criteria

Category	Portion	Description
Innovation & Creativity	30%	<ul style="list-style-type: none"> • Demonstrates a novel vision for integrating nature with dense urban fabric. • Applies cross-disciplinary STEAM thinking to generate fresh ideas, formats, or experiences. • Shows boldness: moves beyond incremental tweaks to propose solutions that could redefine sustainable city living.
Impact on Sustainable Urban Living	25%	<ul style="list-style-type: none"> • Delivers clear environmental benefits — e.g., measurable carbon reduction, habitat creation, heat-island mitigation. • Improves quality of life and well-being for residents and visitors (access to greenery, inclusive design, community bonding, nature-based solutions). • Scalable and transferable: concept can be adapted to other districts or world cities to advance SDGs.
Use of Technology	15%	<ul style="list-style-type: none"> • Leverages appropriate emerging or existing tech (IoT, AI, analytics, materials science, applied research, etc.) to enable or enhance the idea. • Demonstrates technical soundness: considers maintenance, safety, data ethics, and user accessibility. • Uses data intelligently — to inform design decisions, monitor outcomes, and iterate over time.
Feasibility & Practicality	15%	<ul style="list-style-type: none"> • Provides a realistic implementation roadmap: timeline, budget, partners, regulatory compliance. • Addresses logistical constraints of city infrastructure; includes risk assessment with mitigation strategies.

		<ul style="list-style-type: none"> Shows cost-effectiveness and identifies funding or revenue opportunities to sustain the project.
Presentation & Clarity	15%	<ul style="list-style-type: none"> Tells a compelling “problem–solution–impact” story with a logical flow and engaging visuals (prototypes, mock-ups, videos). Communicates key points succinctly. Demonstrates teamwork: smooth hand-offs, confident Q&A handling, and evidence that all members contributed to research and ideation.

If there is any inconsistency or ambiguity between the English version and the Chinese version, the English version shall prevail.

Please visit our official website <https://tramplus-grandchallenge.com/sg/> or tramplus social media for the latest updates.