

Immediate Release

BuildING Our Future Grand Challenge Grand Finale Held in Singapore ***Students from Both Cities Take Chinese and English Division Crowns***

(30 March 2026) The Grand Finale of the BuildING Our Future Grand Challenge was successfully held on 7 March in Singapore. Secondary students from Hong Kong and Singapore applied STEAM thinking to explore the theme “Nature in the City: Smart Connections for Sustainable Living”. The “Cooling Learning Hub — A Nature-Integrated Urban Space Concept for Singapore” (涼境學棧 — 獅城親自然空間生長計劃) proposal by the student team from St. Anthony's Canossian Secondary School (SACSS) in Singapore and the “Perchliner” proposal by the student team from ELCHK Lutheran Academy in Hong Kong emerged victorious, winning the Chinese Division and English Division championships respectively. Each champion team received a cash prize of HK\$10,000.

The Chinese Division champion project is “Cooling Learning Hub — A Nature-Integrated Urban Space Concept for Singapore” proposed by the student team from St. Anthony's Canossian Secondary School. The proposal envisions transforming underused areas within 500–1,000 metres of schools into climate-responsive outdoor learning cafés and communal rest spaces. Designed to address extreme heat, urban heat-island effects and the shortage of suitable after-school study areas, the concept adopts materials with thermal insulation, UV and wind resistance, and passive cooling properties. Drawing on Southeast Asia's traditional “cool alleys” and the airflow principles of cooling towers, complemented by water-cooled seating and greening-based shading systems, the project demonstrates a model where technology and nature work in synergy. It also reflects a commitment to community wellbeing and human-centred urban design.

The English Division champion project is “Perchliner” proposed by the student team from ELCHK Lutheran Academy. The proposal reimagines Hong Kong's tram journey as an entry point for young passengers to reconnect with urban nature. Targeting players aged 10–20, the mobile game allows users to rescue lost chicks between tram stops, learn about local bird species, and understand threats such as habitat loss, plastic pollution and improper feeding through interactive quizzes. Incorporating real-time weather effects, augmented-reality visual elements, quizzes and personalised quests, the game creates an engaging and immersive learning experience. Players can earn points redeemable for discounts and rewards, using gamification to integrate technology, education and public transport, and fostering youth engagement and conservation awareness in everyday city life.

In the finale, each team first presented their proposals to the judges, followed by on-the-spot Q&A sessions. The judging panel comprised professionals from diverse sectors and regions, providing comprehensive, cross-regional perspectives and constructive feedback on the proposals.

Nixon Cheung, General Manager of trampius said, “Hosting the BuildING Our Future Grand Challenge Grand Finale in Singapore created an invaluable platform for meaningful exchange between Hong Kong and Singapore students. By bridging our two dynamic cities, participants could share innovative ideas, draw inspiration from each other's urban sustainability approaches, and collaborate towards building smarter, greener futures together.”

Professor Adam Switzer, Director of CIFAL Singapore commented, “The students' creative and forward-thinking proposals are incredibly encouraging—they remind us why educating and empowering the next generation on sustainability issues is of paramount importance. These young minds are not just learning; they are the key to driving real, lasting change for our planet.”

Now in its third edition, the BuildING Our Future Grand Challenge extended beyond Hong Kong to Singapore for the first time. The finale featured 11 secondary school teams competing, including the top six from the Hong Kong stage finale in November 2025 and five from Singapore,



fostering cross-regional educational exchange. The competition is organised by trampius and co-organised by Hong Kong Tramways and the HKUST Academy for Bright Future Young Engineers, aiming to encourage secondary students to apply STEAM innovative thinking to propose sustainable solutions that integrate natural ecosystems into urban environments.

This year's overseas study tour was sponsored by Hongkong Land. The Hong Kong champion teams participated in a 3-day, 2-night exchange trip from 6 to 8 March, competing in the finale while joining Singapore teams at Nanyang Technological University (NTU) to explore campus facilities, discuss sustainability issues in depth. They attended a specialised lecture on sustainable development delivered by Professor Adam Switzer, Director of CIFAL Singapore, and participated in a management sharing workshop led by Jewel Changi Airport management. Known for the world's largest indoor waterfall, Jewel Changi Airport integrates transportation, entertainment, and dining. Students learned about its sustainable management strategies and conducted on-site visits to enrich their experience.

The successful conclusion of this Grand Finale marks the BuilDING Our Future Grand Challenge's step onto a broader international stage. Moving forward, trampius will continue to expand its influence, leveraging STEAM education and practice to contribute to building sustainable cities.

BuilDING Our Future Grand Challenge Grand Finale List of Awardees

Awards	Chinese Division Awardees	English Division Awardees
	School Affiliation (Representing Region, Proposal Names)	
Champion	St. Anthony's Canossian Secondary School (Singapore, 涼境學棧 — 獅城親自然空間生長計劃)	ELCHK Lutheran Academy (Hong Kong, Perchliner)
1 st Runner-up	St. Francis' Canossian College (Hong Kong, 森·軌道)	The True Light School of Hong Kong (Hong Kong, EcoTram – Nature on Track)
2 nd Runner-up	Shun Lee Catholic Secondary School (Hong Kong, 水霧都市)	La Salle College (Hong Kong, BiodiverCity)

Photo Captions ([Photos available for download here](#))

Photo 1



The BuilDING Our Future Grand Challenge Grand Finale was successfully held on 7 March 2026 in Singapore. Secondary students from Hong Kong and Singapore explored the theme “Nature in the City: Smart Connections for Sustainable Living” using STEAM thinking.



Photo 2



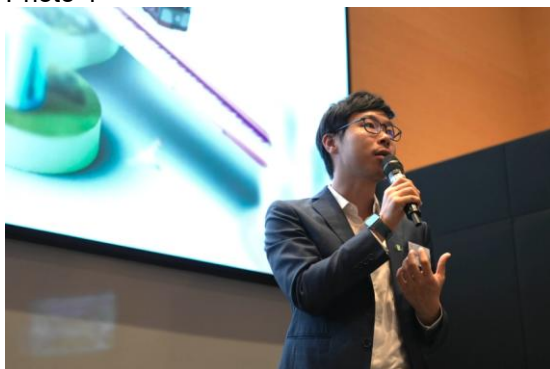
The Chinese Division champion project is “Cooling Learning Hub — A Nature-Integrated Urban Space Concept for Singapore”, proposed by the student team from St. Anthony's Canossian Secondary School. It suggests creating cooler outdoor learning and community spaces, addressing heat challenges in Singapore and showcasing a nature-integrated urban design.

Photo 3



The English Division champion project is “Perchliner”, proposed by the student team from ELCHK Lutheran Academy. It gamifies the tram journey for players to rescue chicks and learn about local species. With AR, weather effects and mission features, it fosters engagement, conservation awareness and connection to urban nature.

Photo 4



Nixon Cheung, General Manager of tramplus, stated that hosting the BUILDING Our Future Grand Challenge Grand Finale in Singapore created an invaluable platform for meaningful exchange between Hong Kong and Singapore students.



Photo 5



Professor Adam Switzer, Director of CIFAL Singapore, commented that the students' creative and forward-thinking proposals are incredibly encouraging, underscoring the profound importance of educating and empowering the next generation on sustainability issues.

Photo 6



Hong Kong and Singapore students exchanged views and shared perspectives on sustainable urban development.

Photo 7 and 8



Teams from both regions visited NTU campus for in-depth discussions on sustainability issues and attended a specialised lecture by CIFAL Singapore Director and NTU Professor Adam Switzer.



Photo 9



The Hong Kong champion teams' winning proposals from St. Francis' Canossian College and La Salle College have been featured on tram bodies, now running across Hong Kong Island streets to showcase young innovators' achievements and sustainable ideas to the public.

About tramplus

Founded in 2021, tramplus is a sister company of HK Tramways and owned by the RATP Dev Group.

With the vision to advocate local STEM education, tramplus teams up with the world's leading institutions and educators to provide easy access to the world-class online and in-curriculum STEM education, by blending in the rich legacy of tram engineering wisdom with modern tech knowledge.

tramplus focuses on STEM-related curricula including basic science, mechanical and electrical engineering, coding and urban development. By approaching these topics from a daily life perspective, tramplus hopes to inspire students to adopt a radical mindset and equip them with a STEM foundation. Hence, equip them with the knowledge and skills to develop a smarter and a more sustainable future for the city.

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