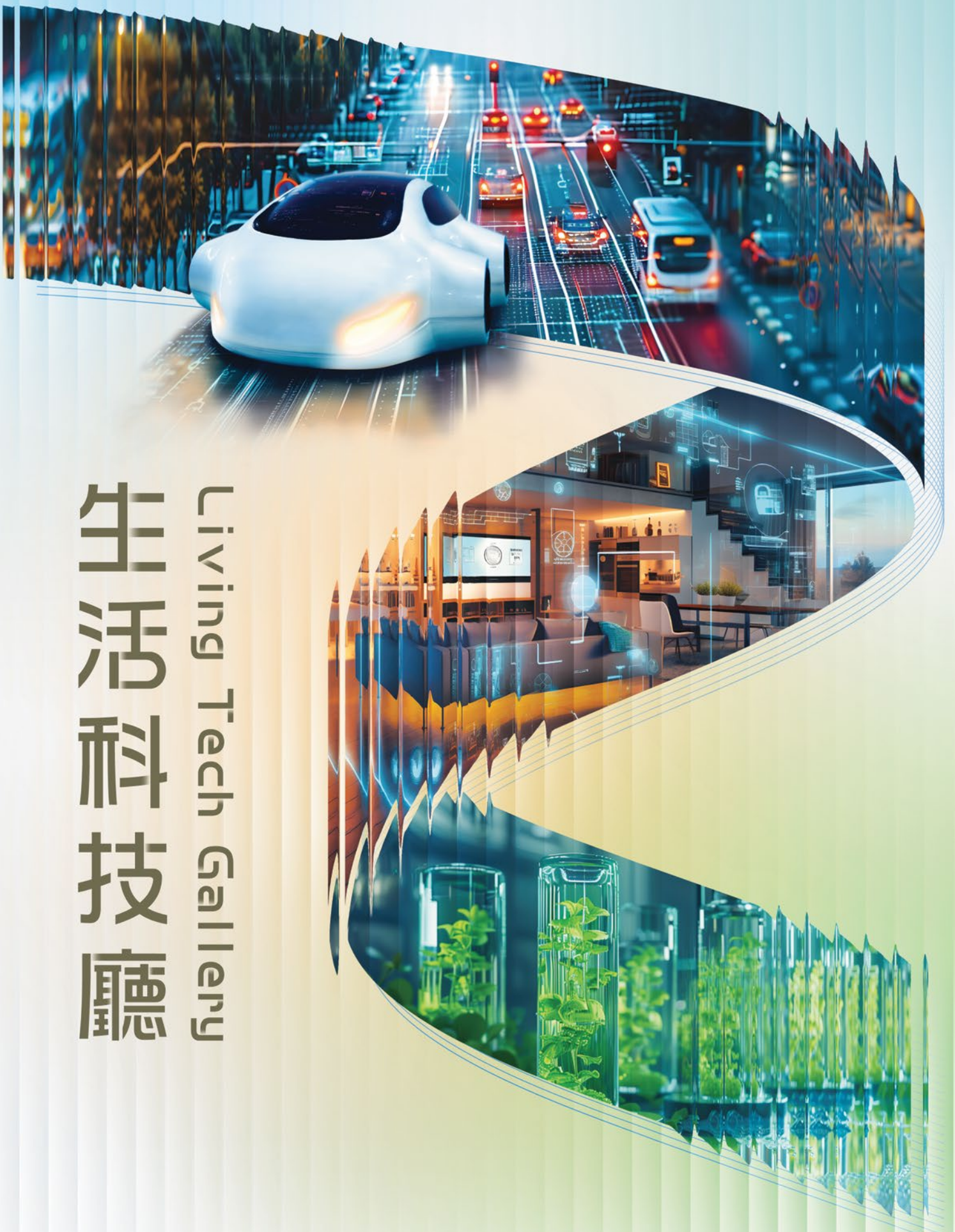


生活科技廳

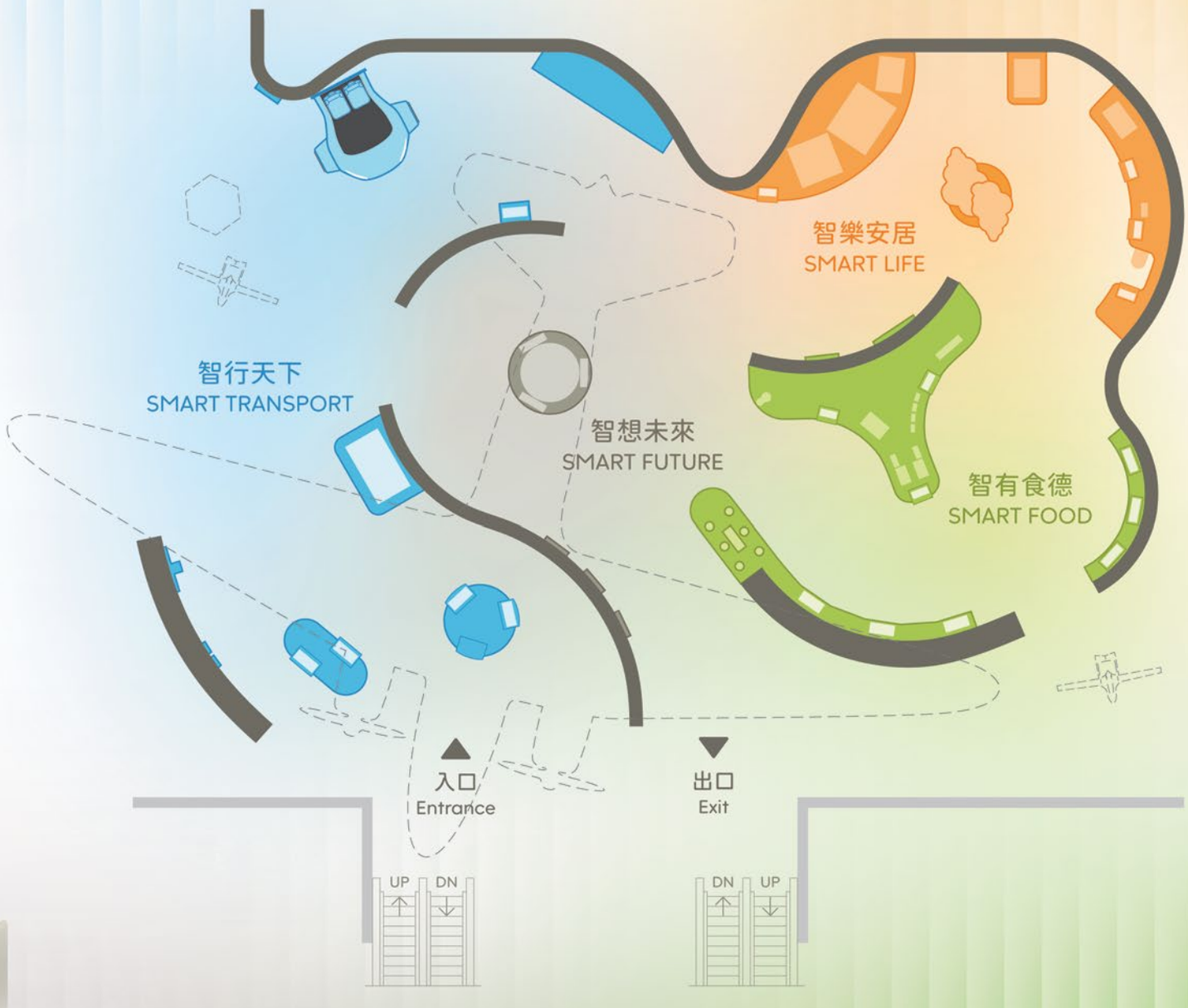
Living Tech Gallery

展覽簡介
Exhibition Brief

展覽帶你探索科技如何塑造我們的日常生活，從日常出行到家居生活，以至餐桌上的佳餚，總可找到科技的蹤影。約二十組互動展品，讓你體驗自動駕駛的魅力、發掘物聯網的無限潛能、探索綠色建築物料的驚喜應用，及重新思考飲食的未來可能。

This exhibition invites you to discover how technologies shape our daily lives, from daily commuting to home living and even the dishes on our dining tables, where their influence can always be found. Around 20 sets of interactive exhibits allow you to experience the excitement of autonomous driving, uncover the limitless potential of the Internet of Things, explore the incredible applications of green building materials, and rethink the future possibilities of our diets.

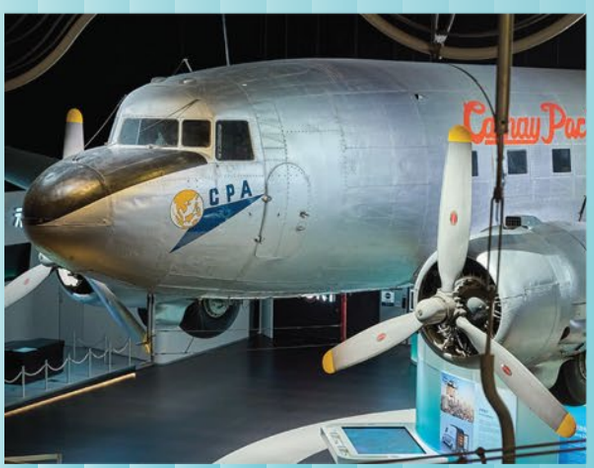
展廳平面圖
Gallery Map



智行天下
Smart Transport

出行植根於人類探索與連結的本能，亦是人類的日常需求。從提升出行體驗到減少能源浪費，從改善道路安全到打造更環保的車輛，科技的應用正塑造未來出行的新面貌，亦為城市注入新動能。

Travel is rooted in the human instinct to explore and connect, and it is also a daily necessity. From enhancing travel experiences to reducing energy waste, from improving road safety to creating more eco-friendly vehicles, the application of technology is injecting new momentum into cities, shaping the future of mobility.

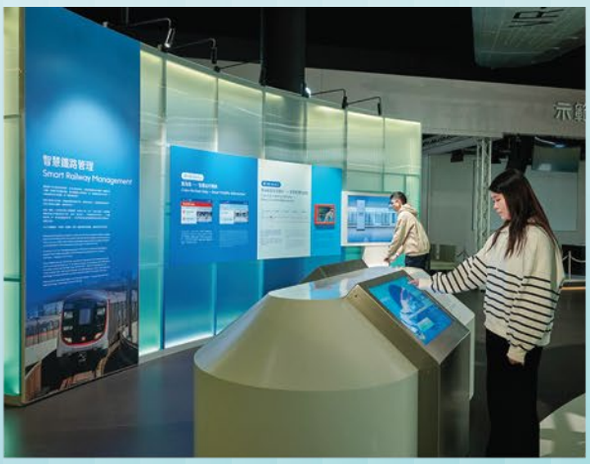


與「貝茜號」遨遊天際
Fly with "Betsy"

香港科學館第一件藏品——國泰航空公司捐贈的DC-3型客機「貝茜號」帶領我們回顧飛行歷史上的重要時刻，見證飛行技術的演進。透過虛擬導覽，我們可近距離欣賞「貝茜號」，了解它開創先河的設計，一同感受飛行夢想的起點。

The Hong Kong Science Museum's first collection item, the DC-3 airplane "Betsy" donated by Cathay Pacific Airways, guides us through pivotal moments in aviation history, showcasing the evolution of flight technologies. Through a virtual tour, we get a closer look at "Betsy" to explore her pioneering design, and experience the origins of the dream of flight.

智慧鐵路管理
Smart Railway Management



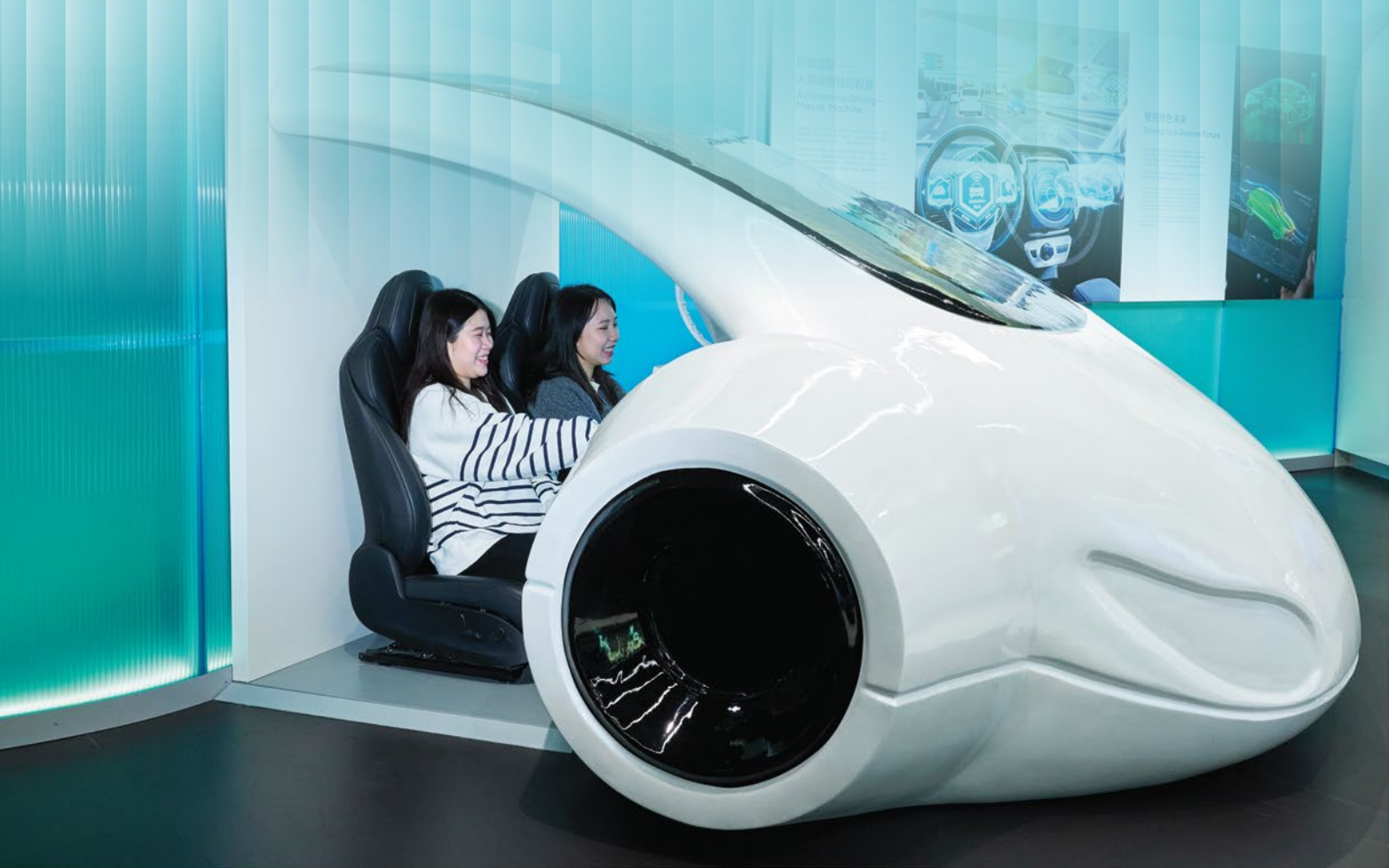
你可認識港鐵這種香港最主要的集體運輸工具如何運用創新科技，例如「過海易」、「車廂載客情況顯示」、「負載調節閥」和「軌道智能監測系統」，讓乘客每天的出行更安全、順暢及可靠。

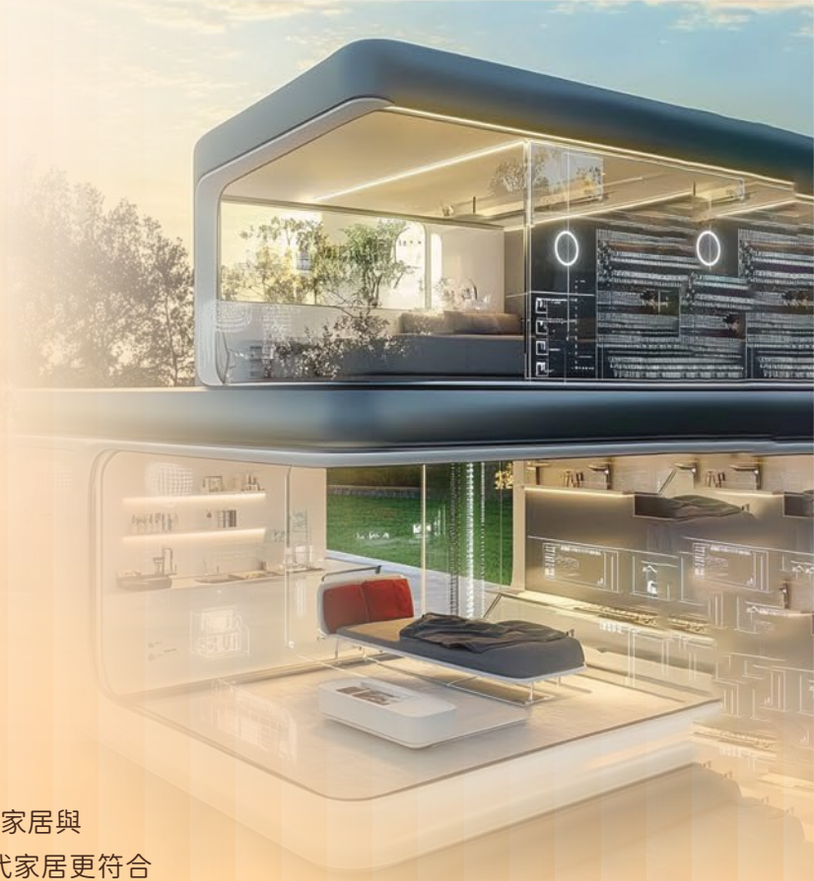
You can learn how MTR, Hong Kong's primary mode of public transportation, applies innovative technologies such as "Cross-Harbour Easy", "Train Car Loading Indicator", "Load Levelling Valve" and "Smart Passenger Instrumented Revenue Train" to ensure that passengers enjoy safer, smoother, and more reliable journeys every day.

自動駕駛——人類與機器的較量
Autonomous Driving—Man vs. Machine

自動駕駛依靠先進感應器、人工智能與機器學習以應對路面狀況，而人類則憑藉駕駛經驗作出反應。齊來參加這場駕駛競賽，看看哪一方會更有優勢！

Autonomous driving relies on advanced sensors, artificial intelligence(AI), and machine learning to navigate road conditions, while humans rely on their driving experience to react. Come and join this driving competition and see which side holds the advantage!





智樂安居
Smart Life

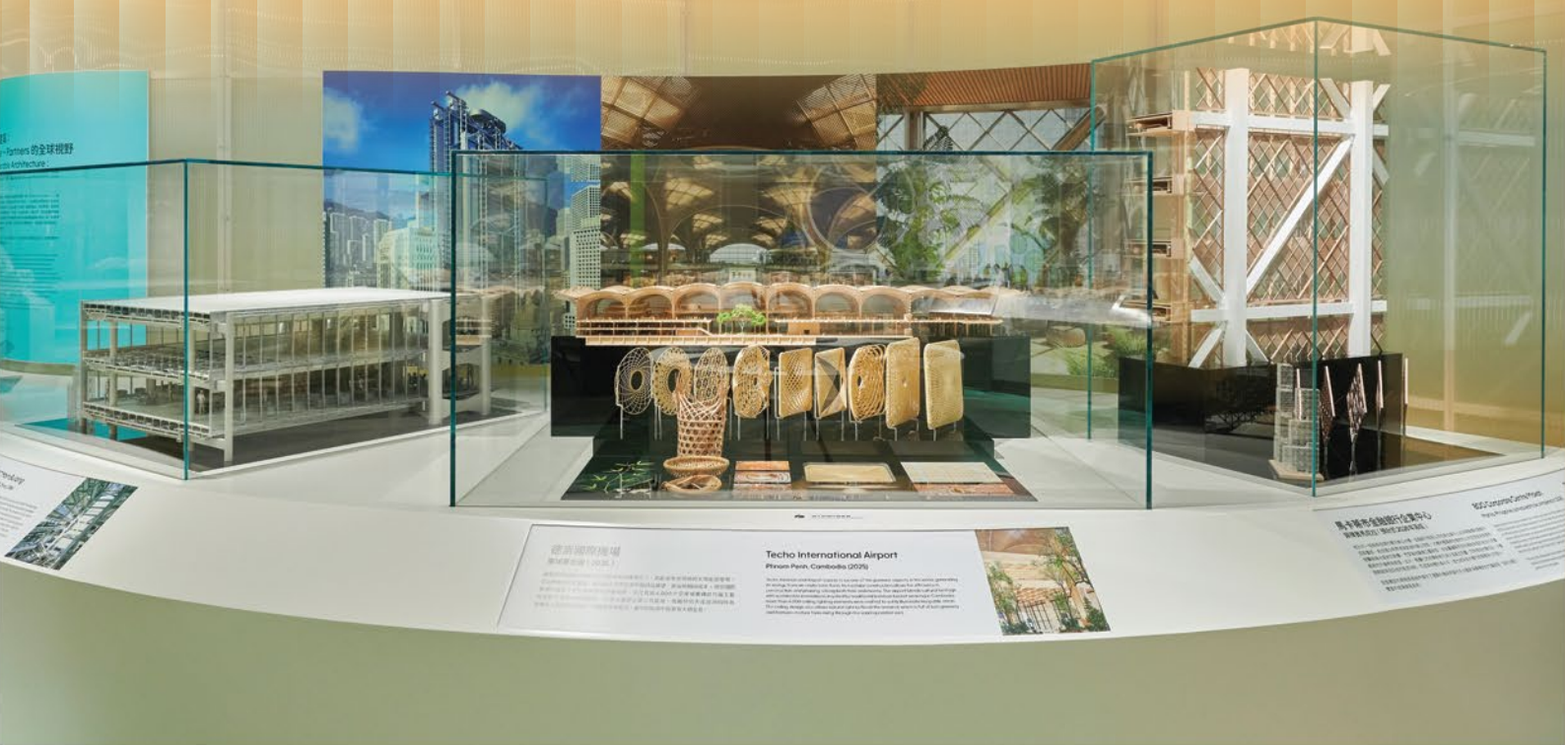
環保的建築設計、可再生能源系統，物聯網智能家居與結合人工智能的個人化系統，這些科技都讓現代家居更符合永續發展理念，並充分展現出科技在促進健康、提升節能效率和優化資源運用的成效。

All technologies of eco-conscious architectural designs, renewable energy systems, IoT-enabled smart homes and seamless integration of AI-driven personalised systems make modern homes more aligned with the principles of sustainable development, and fully demonstrate the effectiveness in promoting health, improving energy efficiency, and optimising resource use.

永續建築
Sustainable Architecture

著名建築事務所Foster + Partners展示其開創先河，結合創新與可持續性的設計個案。創新的建築方法是推動環境、社會與經濟永續發展的重要一環。

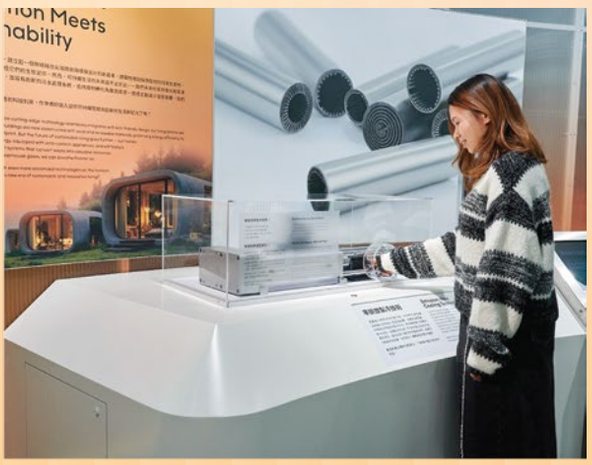
The renowned architectural firm Foster + Partners showcases its groundbreaking designs, where innovation meets sustainability. Innovative approaches to architecture are essential for sustaining the environment, society, and the economy.

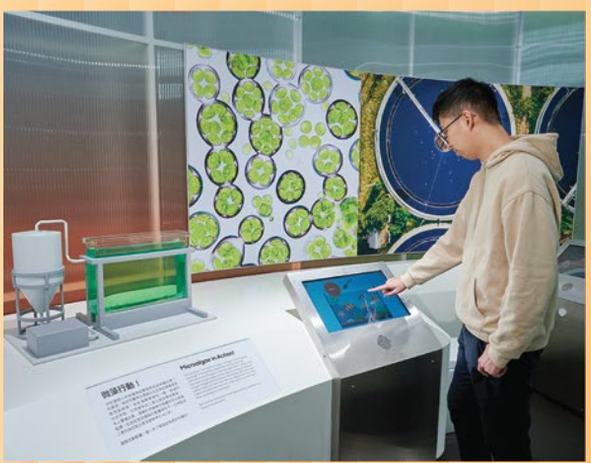


零排放製冷技術
Emission-free Cooling Technology

香港科技大學零碳固態製冷技術實驗室利用彈卡效應，由形狀記憶合金變形時的温度變化，提供零排放的創新製冷方法。你可來親手「感受」這個創新科研成果。

The Zero-Carbon Solid-State Cooling Technology Laboratory of The Hong Kong University of Science and Technology utilises the elastocaloric effect—the temperature changes that occur during phase transformation in shape memory alloys, to provide an innovative cooling method with zero emissions. You can come and "experience" this innovative achievement firsthand.





微藻行動！
Microalgae in Action!

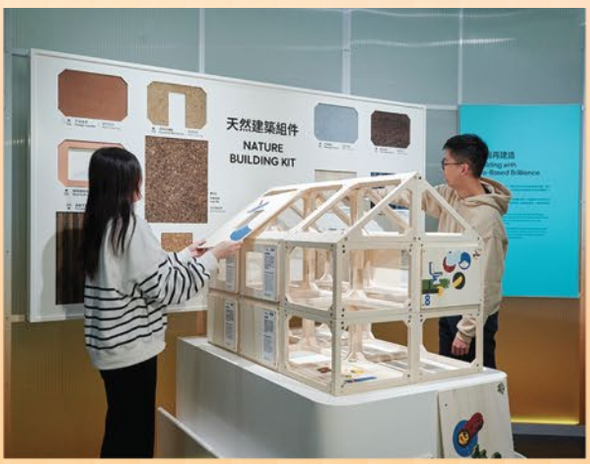
初創企業藻碳科技有限公司展示其研發的光合生物反應器。透過培育高性能微藻，能高效捕捉空氣中的二氧化碳，效能比樹木高出近40倍。這項科技能幫助人類對抗氣候變化，達至碳中和。

The startup, Alcarbo Technologies Limited, showcases its self-developed photobioreactors. By cultivating high-performance microalgae, it can efficiently capture carbon dioxide in the air, with an effectiveness of nearly 40 times greater than that of trees. This technology can help us combat climate change and achieve carbon neutrality.

有機再建造
Building with Bio-Based Brilliance

各種創新生物基材料可作為傳統建材的環保替代品，用於建造可持續居所，你可透過建構這環保小屋，了解這些創新材料的來源、特性與用途。

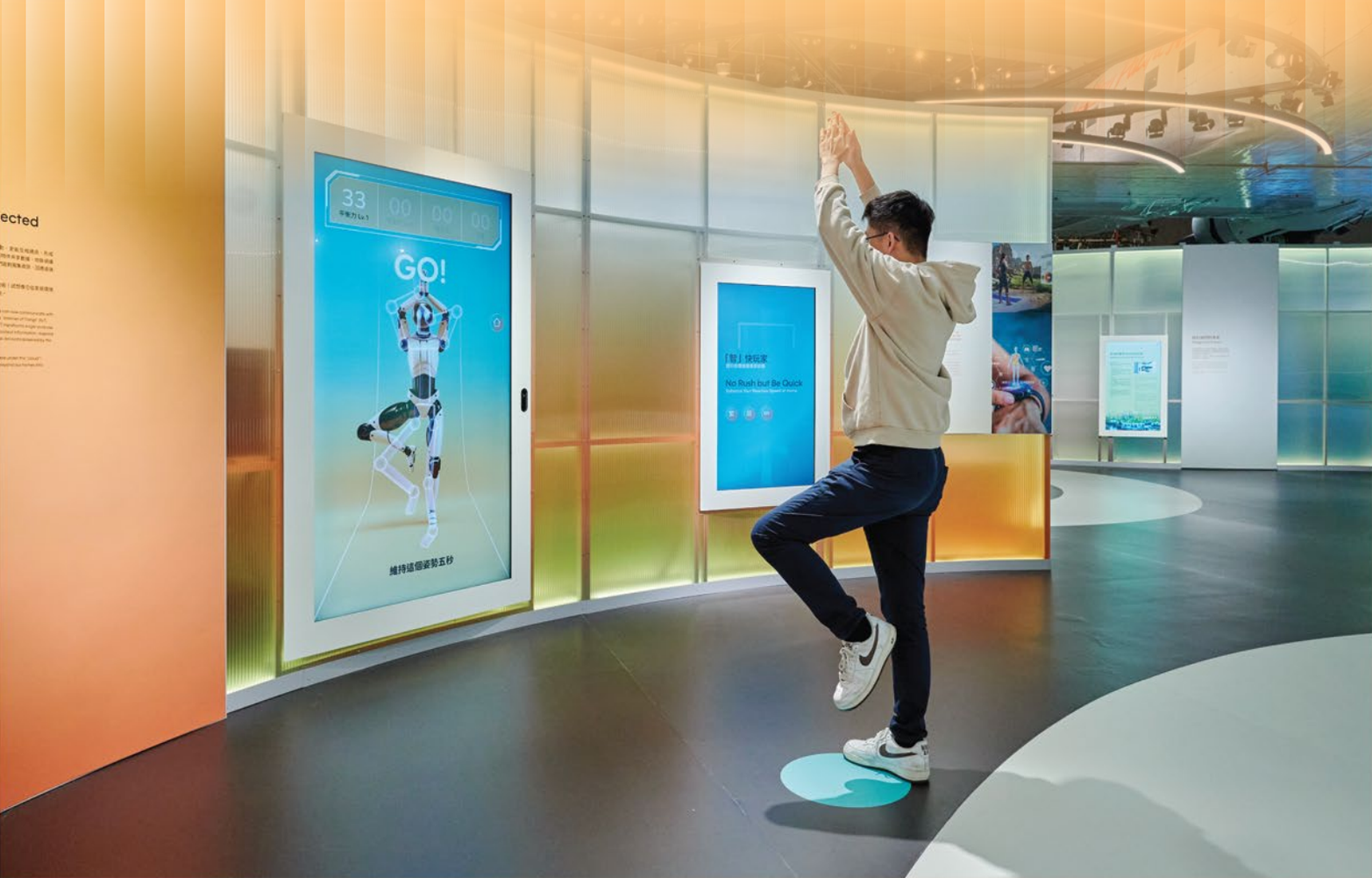
Various innovative bio-based materials can serve as eco-friendly alternatives to traditional building materials for constructing sustainable homes. You can explore the origins, properties, and applications of these materials while building a small house.



智能運動時代
Get Moving with Smart Tech

現代科技已逐步融入家居生活，我們可以將起居室化身為智能健身房，並制定最合適的個人化訓練計劃。在人工智能教練指導之下，你可以學習瑜珈動作！

Modern technologies are gradually being integrated into our home, transforming living rooms into smart gyms where personalised training plans can be created. Under the guidance of an AI coach, you can learn yoga poses!



智有食德
Smart Food

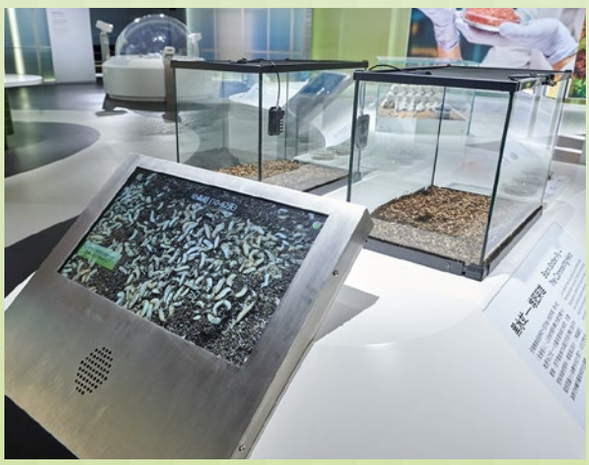
一場飲食變革正引領我們重新探索日常飲食的無限可能。隨着糧食科技的突破與可持續的食物替代品出現，配合對食材明智的選擇與烹調科學的深入理解，人類的生活將更加健康環保，邁向可持續生活。

A culinary revolution is guiding us to rediscover the infinite possibilities of our daily diet. With breakthroughs in food technologies and the emergence of food alternatives, along with thoughtful choices of food ingredients and deeper understanding of cooking science, human life will become healthier and more environmentally friendly, moving us towards sustainable living.

農業為永續未來的演變
The Evolution of Farming for a Sustainable Future

香港大學太古海洋科學研究所及生物科學學院展示他們在海藻和基因改造植物的研究。科技正引領着農業以創新的方式發展。未來糧食生產將不再局限於田地與温室，而是進入實驗室與城市建築，打造更具可持續性和韌性的糧食系統。

The Swire Institute of Marine Science and the School of Biological Sciences of The University of Hong Kong showcase their research on seaweeds and genetically modified plants. Technology is driving agriculture forward in groundbreaking ways. Future food production will expand beyond fields and greenhouses, moving into laboratories and urban buildings, creating more sustainable and resilient food systems.



黑水虻——堆肥英雄
Black Soldier Fly—The Composting Hero

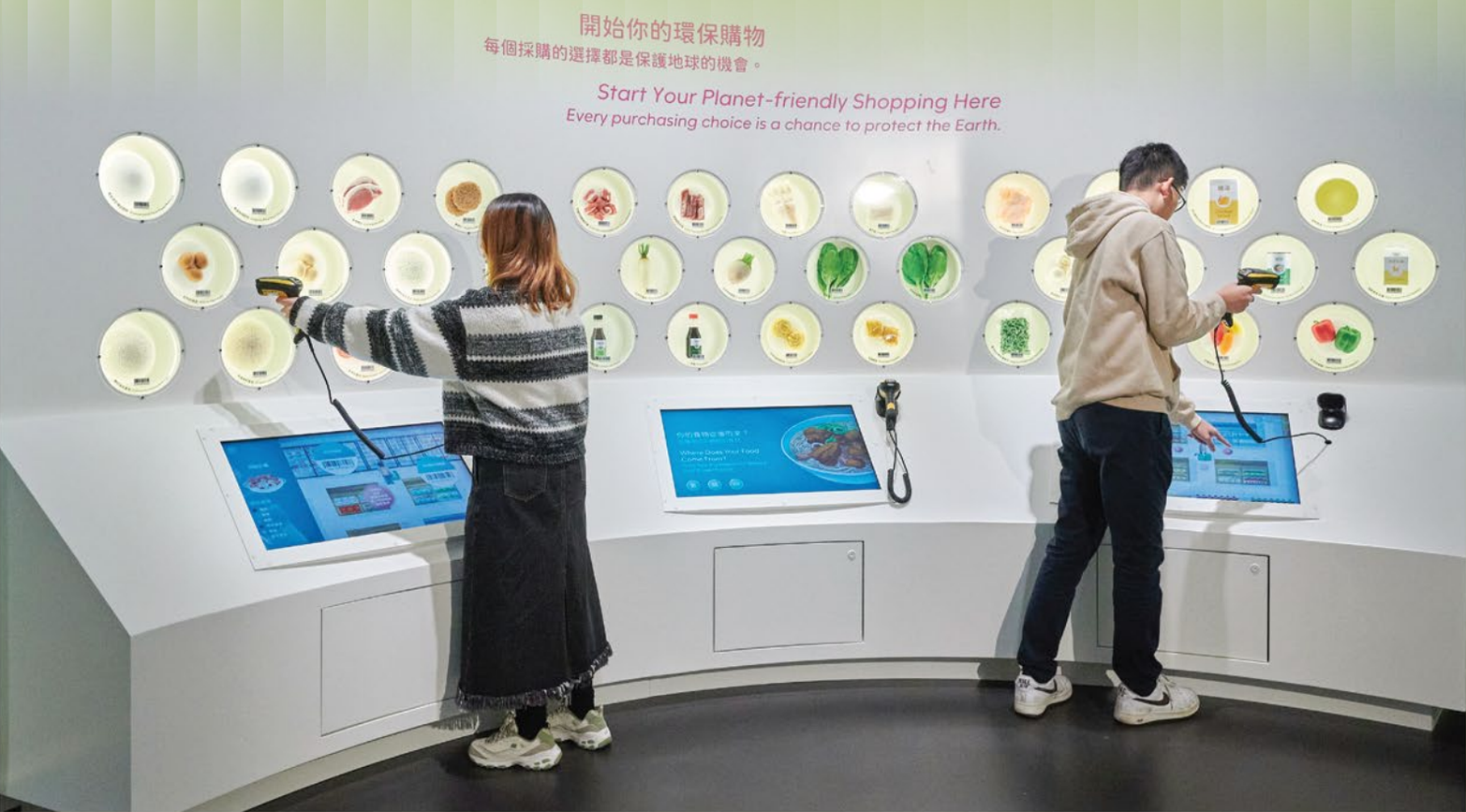
海塑基金會展示新興的生物處理廚餘技術。黑水虻幼蟲能高效分解廚餘，並能轉化為高價值的動物飼料、有機肥料、甚至能榨油製作肥皂，是循環經濟和可持續發展中扮演關鍵角色的「環保昆蟲」。

A Plastic Ocean Foundation showcases emerging biological food waste processing technology. Black soldier fly larvae can efficiently decompose food waste and be transformed into high-value animal feed, organic fertiliser, and even be pressed to extract oil to make soap. These "eco-friendly insects" play a key role in the circular economy and sustainable development.

永續飲食「智識揀」
Smart Food Choices

在挑選食材時，你會考慮哪些環境因素呢？讓我們一起思考食物的來源與影響，了解如何在每一餐中做出更環保的選擇。

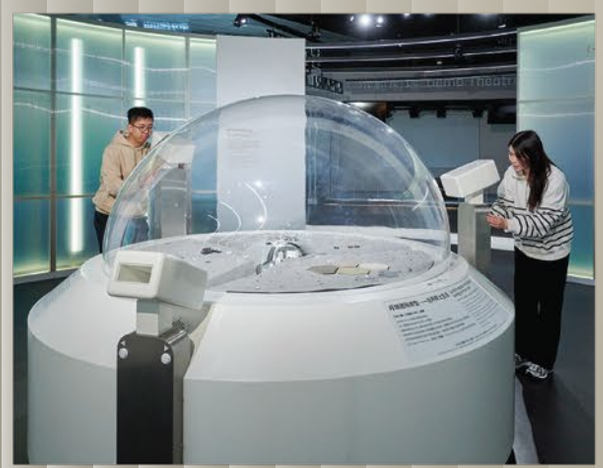
What environmental factors will you consider when shopping for food ingredients? Let us reflect on the origins and impacts of our food and learn how to make greener decisions with regard to each meal.



智想未來
Smart Future

科技正以前所未有的速度，重塑我們的移動方式、生活形態和飲食習慣。我們的未來取決於今天的每一個決定。透過科技的幫助，我們能夠作出更明智的選擇，共同建造一個更互聯、更環保和更可持續的未來。

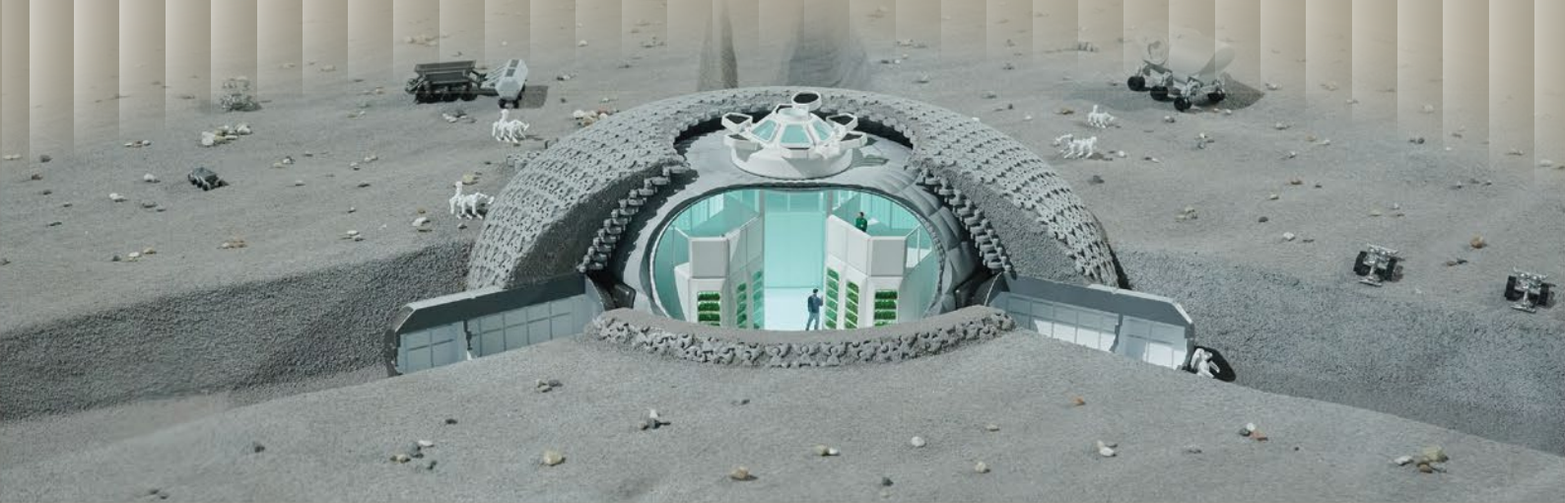
Technology is transforming how we move, live, and eat at an unprecedented pace. Our future hinges on every decision that we make today. With the help of technology, we can make wiser choices and collectively build a more connected, greener, and sustainable future.



窺見我們的未來
Imagine Our Future

透過模型和未來望遠鏡，你可以縱馳想像，窺探數十年甚至數百年後的交通、居住和飲食場景，激發對未來的無限憧憬。

Through a model and future telescopes, you can unleash your imaginations, envision how we might travel, live, and dine in the coming decades or even centuries, and ignite boundless aspirations for what lies ahead.



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