



CILT Buzz



THE CHARTERED INSTITUTE OF LOGISTICS AND TRANSPORT SINGAPORE

“As the world continues to grapple with COVID-19, we must not take our eye off the global climate agenda. Climate change is an urgent and existential threat, and all countries have to build on the Paris Agreement to address this global challenge to humanity.”

Prime Minister Lee Hsien Loong

CHAIRMAN'S MESSAGE

Dear Colleagues,

Climate change is a global challenge that demands global solutions with global collaborations. As Prime Minister Lee said at the [Asia Regional Commonwealth Leaders' Roundtable](#), convened by HRH the Prince of Wales, on 24 May 2021, "as the world continues to grapple with COVID-19, we must not take our eye off the global climate agenda." The [Singapore Green Plan 2030](#) launched early this year is a comprehensive roadmap for Singapore to achieve sustainable development, net zero emissions and a green economy. CILTS wholeheartedly supports these efforts and will continue to place emphasis on sustainability in the Institute's programmes and initiatives.

CABINET CHANGES - TRANSPORT

The Cabinet changes announced some weeks back have taken effect with Mr Iswaran as the new Transport Minister. The outgoing Transport Minister Mr Ong Ye Kung takes over the Ministry of Health. CILTS Patron Mrs Josephine Teo becomes Minister for Communications & Information as well as Minister-in-charge of the Smart Nation Initiative. Mr Tan See Leng takes on the Minister of Manpower portfolio while continuing as Second Minister of Trade & Industry. Mr Chan Chun Sing becomes Minister of Education, and Minister Gan Kim Yong becomes the new Minister for Trade and Industry. Mr Lawrence Wong becomes the Minister for Finance.

Apart from continuing to improve the Quality, Affordability and Environmental Sustainability of Singapore's transport system and strengthening the nation's pre-eminent Air and Sea Hub position, the Ministry of Transport is expected to focus on Current Challenges like making MRT Trains Safer and more Attractive; Phasing in Electric Vehicles (with supporting E-Charging Infrastructure) such that by 2040 all cars on the road are partly or fully electric; promote Active Mobility, especially encouraging healthier citizens through Cycling. Of Course, reviving and sustaining Changi Airport as an Air Hub, and strengthening the Singapore Port as a Global Maritime MegaPort and Transshipment Hub are vital.

The Singapore Green Plan 2030 is a national sustainability movement which seeks to rally bold and collective action to tackle climate change.

It is a living plan which will evolve as we work with Singaporeans and partners from all sectors to co-create solutions for sustainability. Let's work together to make Singapore a green and livable home.

City in Nature

- Green, livable and sustainable home for Singaporeans
- Plant 1 million trees and have every household with a 10-minute walk to a park by 2030
- Expand over 100 km² of new parks, and increase to 120 km² of existing parks with more lush vegetation and more biodiversity by 2030
- Add 600 km² of green spaces by 2035

Sustainable Living

- Strengthen Green Efforts in Schools
- Introduce an Eco Ambassador Programme to enhance environmental education in all schools
- Work towards the elimination of all carbon emissions from schools under by 2030
- At least 20% of schools to be carbon neutral by 2030
- Green Commutes
- 70% of trips during peak periods to be on mass public transport by 2030
- Improve cycling path network to 1,375 km by 2025, from 650 km in 2020
- Expand rail network to 860 km by early 2020s, from around 220 km today
- Green Citizenship
- Reduce waste and consumption
- Reduce amount of waste to landfill per capita per day by 70% by 2025, and 80% by 2030
- Reduce household water consumption to 100 litres per capita per day

Energy Reset

- Cleaner-energy Vehicles
- New diesel car and taxi regulations to come from 2025, with all new car and taxi regulations to be electric energy models from 2030
- Further revise road tax structure to bring down cost for more electric vehicle users
- Target 100% electric vehicle (EV) charging points by 2030, with 8 EV-charging points by 2020
- Greener Infrastructure & Buildings
- Green 80% of Singapore buildings by 2030, from 40% by 2020
- 50% of new buildings by Green Star Gold level by 2025
- Real-time green buildings to use 20% improvement in energy efficiency (over 2020 levels) by 2030
- Sustainable Homes & Climate
- Reduce energy consumption in HDB flats by 15% by 2030

Green Economy

- Sustainability as New Engine of Jobs and Growth
- New Enterprise Sustainability Programme to help local enterprises adopt sustainability practices
- Develop Singapore to be a carbon services hub and a leading centre for green finance in Asia and globally
- Develop strong demand for a sustainable energy and chemicals sector
- Leverage opportunities in sustainable industries to create good jobs for Singaporeans
- New Investments to be Carbon and Energy Efficient
- Seek new investments to be among the best in class in energy/ carbon efficiency

Resilient Future

- Safeguarding our Coastlines against Rising Sea Levels
- 2000 residential coastal and drainage flood protection measures
- Formulation of coastal protection plans for City East Coast, North-west Coast, East Coast and Tengah, Kallang and Jurong Island by 2030
- Safeguarding food security
- Reduce 50% of our rice/food needs locally and nationally by 2030
- Strongly developing land and sea space and utilises water, land and energy resources and promoting R&D
- Keeping Singapore Cool
- Adopt the best practices that, such as white roof paint and by increasing greenery

Jointly led by:

www.GreenPlan.gov.sg

GRAPHIC: www.greenplan.gov.sg

Following CILTS' Board meeting in mid-April, we successfully held our 2nd digital AGM via Zoom on 14 May. As a result of the continued Covid pandemic restrictions we were unable to have the usual physical AGM meeting at the CILTS office.



AIRPORT / AVIATION

The Singapore-Hong Kong Air travel bubble is yet again delayed given the increasing Covid-19 community cases in Singapore. Unfortunately, Changi Airport, like TTS Hospital, has become a major cluster arising from airport workers at a finger pier that receives passenger arrivals from higher-risk countries, as well as Terminal 3 basement where workers and the public have meals at the food court. 8,000 office personnel at the passenger terminal buildings and 10,000 airport workers have been tested to ensure there are no further workers infected by the virus. All Changi Airport buildings, including Jewel, are closed to the public until 13 June, the end of the Phase 2 (Heightened Alert) period.

FREIGHTER AIRCRAFT

ST Engineering and Temasek have announced the setting up of a JV Freighter Aircraft Leasing company in response to the rising demand for freighters. The new company plans to invest in Narrow-body Passenger to Freighter Aircraft Conversion. A portfolio of freighter aircraft valued at approximately US\$600m within 5 years is envisaged. ST Engineering will provide MRO Services as well as Asset and Lease Management Services. Demand for freighters is on the rise as E-commerce and Air Cargo continue to grow globally.



PHOTO: Aviation Week

MARITIME - TUAS PORT

Singapore continues to strengthen its maritime industry foundations as Tuas Port is being positioned as a more Sustainable Hub Port. When fully operational in the 2040s, Tuas Port is expected to be the world's Largest Fully Automated Container port in a single location. It will have a fleet of fully electric Driverless Automated Guided Vehicles and Automated Gantry Cranes, and use Cameras and Laser sensors for precision to allow crane specialists to remotely supervise multiple cranes. With its Planned Maritime Decarbonisation and Greener Port Operations initiatives, MPA and other port stakeholders hope to garner strong Public-Private partnerships so that Maritime Singapore can meaningfully contribute to the National and Global Environment Sustainability agenda.



PHOTO: MPA

LAND TRANSPORT - RAIL

The Johor Bahru-Singapore Rapid Transit System (RTS) Link operator, RTS Operations (RTSO), announced that 9 contracts for system works estimated at \$321m were awarded following a recent tender. The JV between SMRT and Malaysia's Prasarana announced that the core contracts awarded covered

Locomotives Rolling Stock (by CRRC ZHUXHOU); Signalling Systems & Platform Screen Doors (by Siemens Mobility); Communications and Integrated Control Systems (by Sapura Rail Systems); as well as other contracts for Track Works, Power Supply Systems, Depot Equipment, Service Vehicles and Automatic Fare Collection. RTSO will operate and maintain the 4km rail line and associated depot in JB. The RTS link to Bukit Chagar Terminus in JB is expected to be completed by end-2026 and will help ease congestion on the Causeway.



PHOTO: MRT Corp

- LORRIES

There has been an increase in recent road accidents involving Migrant Workers ferried in lorries, ending in serious injuries and fatalities. The issue of the Safety of Migrant Workers transported in Lorries and Goods Vehicles has thus surfaced in Parliament, with MPs urging the Government to prioritise lives over economic costs. Though the facts show that Injury and Fatality Rates had come down over the last decade after various measures were implemented and more enforcement action instituted by LTA for offences and breaches by

lorry drivers, LTA will review the matter to consider further improvements to migrant workers safety.

- TAXIS / PRIVATE-HIRE CARS

The Issue of improving Safety by installing Child Car Seats in Taxis and Private-Hire Cars (PHC) was broached in Parliament. An MP proposed providing 60,000 taxis and PHCs with two childcare seats each to reduce the risk of injury to child passengers by 90% in an accident.



Illustrative picture

Under current laws, all young children under 1.35m must be secured using child restraints or booster seats when in a vehicle, with the exception of taxis. Private Cars are not exempted from the rules and drivers have had to turn away parents with young children. Government will look into possible viable business and operational models that can provide options for those who need child restraints and booster seats while balancing the needs of families and concerns of Taxi operators.

Karmjit Singh
Chairman

INDUSTRY NEWS

Air & Sea

SIA to Raise Liquidity Through Mandatory Convertible Bonds



In the wake of the carrier's worst performance and historic loss posted in May, SIA will be issuing a second tranche of Mandatory Convertible Bonds (Rights 2021 MCBs) to add additional liquidity for the Company. Temasek, SIA's largest shareholder, has provided an undertaking to subscribe to its pro-rata entitlement and any remaining balance of this issuance.

While vaccination rates around the world have been growing steadily and giving new hope, new waves of infections will continue to dampen international travel; with industry bodies forecasting that air traffic is not expected to recover to pre-Covid-19 levels until 2024.

Changing Face of Airlines

Although passenger travel remains bleak, there is optimism in the cargo segment, which has seen huge spikes for air cargo. In fact, aviation reports have indicated the levels of air cargo has risen to pre-pandemic levels.



The business models of airlines are transforming as many adapt to cargo operations; giving a huge boost to another aviation segment – maintenance, repair and overhaul as conversions of aircraft to freighters take place in earnest around the world.

Wind-Assisted Containership Concept Receives AiP



The maritime industry is exploring different concepts for harnessing wind energy as part of the efforts to reduce emissions and improve ship operations. The latest concept to be advanced is for a short sea or feeder containership that combines wind with an LNG power plant and advancements in design to create a more efficient vessel. Known as Trade Wings 2500, the design has been awarded an Approval in Principle (AiP) from Bureau Veritas.

[Asian Ports dominate new container terminal Efficiency Index](#)



The new global Container Port Performance Index (CPPI), launched by the World Bank and IHS Markit, reported that Asian container ports are the most efficient in the world, dominating the Top 50 spots. Yokohama is ranked the world's most efficient port, followed by King Abdullah Port, Saudi Arabia and Qingdao, China.

[Shippers Paying Much More to Secure Space](#)

Shippers in Asia and around the world are pretty much facing the same challenges: sky high rates from Asia to Europe and Med ports: equipment shortages and premium charges, often with containers being rolled. All these elevated rates squeeze the margins of retailers, leading to higher prices in shops and inflation.

Land & Rail

[SP Group Partners SMRT Subsidiary to Provide Electric Vehicle Charging](#)

SMRT subsidiary Strides Transportation has signed an agreement with utilities provider SP Group to offer its electric vehicle (EV) drivers

and fleet customers access to SP's high-speed chargers across the island.



The Government has earmarked \$30 million over the next five years for electric vehicle-related initiatives, which includes improving Singapore's charging infrastructure.

The country aims to have 60,000 charging points at public car parks and private premises by 2030, more than double its initial target of 28,000.

[Keeping Public Transport Safe with Covid-19 Precautions](#)

Public transport can be kept "very safe" with a range of precautions taken by both operators and commuters.

For instance, the air on the MRT train is being replenished every six minutes, not counting the opening and closing of train doors, said Transport Minister Ong Ye Kung.

Passengers can reduce the risk of Covid-19 spread by keeping their masks on and refraining from talking.

Warehouse | Logistics | SCM | Technology

Industrial Marketbeat Report



Institutional grade warehouse rents in Singapore, city-fringe business parks and high-tech factory spaces are expected to hold steady in 2021, supported by the increased demand from the e-commerce sector and across technology, life science and logistics industries which have largely thrived since the pandemic. However, conventional warehouse rents are expected to remain flat.

“Digital twin warehouse” solution to track movement and storage of goods in warehouses

Singapore technology firm Ascent Solutions which provides IoT software for the logistics industry, is working on a “digital twin warehouse” service to track movement and storage of goods in warehouses in real time using computer vision. One of its clients, Ghana’s National Petroleum Authority has implemented the firm’s IoT monitoring solution in 2020, monitoring thousands of vehicles moving petroleum from 16 depots to 4000 kiosks across Ghana.



Professional/Organisation
SPOTLIGHT:



Being immersed in a high-tech environment with cool robots and AI empowered machines and systems may seem like science fiction, like a scene from “The 5th Element” movie, directed by Luc Besson...except such scenes are already happening today in Singapore and many distribution centres around the world!

It must be so exciting to work in such a high-tech industry where cutting-edge innovations and technology are being developed every day to serve diverse logistics and supply chain players. SSI Schaefer is one such company that has been transforming the industry with its wide range of systems and solutions, in line with Innovation 4.0. The company is doing brisk business, perhaps more so in this covid19 environment, where essential services seek efficiency and cost-effectiveness to optimise their operations.

We are so glad to interview the ever-busy **Mr Xavier Perello Pairada, Senior Vice President, Regional Head APAC & MEA of Schaefer Systems International Pte Ltd.**

5 questions for the SVP:

1. What drives you Mr Perello Pairada?

I am passionate about the logistics and supply chain industry and how it has evolved and transformed itself over the years in the APAC region, with the constant introduction of new technologies and solutions that are rapidly adopted throughout the different market segments. Having been in Singapore over 24 years, I have seen the growth of the industry along with market developments; from very basic investments & projects a number of years ago, to really massive uplift on technology going into distribution and fulfilment centres nowadays.

2. Can you share some milestones that you are especially proud of for the Singapore set up?

My wife and I arrived in Singapore back in March 1997, over 24 years ago. We have seen the city-state really changing quite a bit over all these years. Singapore of today has become a very vibrant city to live in, while at the same time very rewarding because everything is simple and easy.

I joined SSI Schaefer Group in July 2000, so already 20 years and counting. I must say I have had a really rewarding work experience all along, not without with challenges at the same time. The Company has significantly grown with the global markets and of course massively in our region as well. All these years, I have had the opportunity to learn from my predecessor, Mr Brian G. Miles. He has coached and empowered me in many ways to where I am today.

We now have over 1,200 employees over 16 countries in the APAC & MEA region, offering complete intralogistics solutions to the market. I am very proud to have contributed to the Group's success in this part of the world.

3. Your vision for the next 5 to 10 years?

While the pandemic exposed many companies to clear inabilities to respond to fast market changes, it has also provided massive opportunities for our industry throughout the region. Supply chain disruptions and the tremendous online shopping growth have led to new investments in different countries and general demand for adoption and expansion of logistics automation solutions across all industries.

So, in our industry, fulfilment emerges as a competitive differentiator, which puts the intralogistics and logistics solutions industry we are in at the forefront of growth and strategies in our region. The outlook for business is really very positive since many new investments are coming into place in different countries to re-shape many of the old established supply chains that were disrupted last year.

Even in severe economic downturns and recessions, some companies are able to gain advantage. This crisis produced not just a tsunami of temporary changes, but also some long-lasting waves (i.e. online shopping, etc). So, organizations that are prepared to shift and adapt will weather all types of disruptions, and if we embrace an even closer collaboration between labour & automation, it will really enable us to succeed, optimize for quick and effective order fulfilment. The key is about finding the right balance that suits our business.

I can see our industry and the market in general, growing massively into the near future. I am very optimistic about the region for the next number of years.

4. Describe a typical working day:

Being an Engineer, I am naturally a pretty organised person and I like to start the day very early so that I can clear some of the workload (emails); that way, my mind is already prepared for new challenges for each day. I have been combining WFH and office for quite some time now, though I must say I prefer going to the office as much as I can as I find it more fitting to the way I work.

5. Describe a typical weekend:

Being in Singapore, the weekend is really around routines and relaxing, with some “mountain” hiking or walking around with the family and our dog, watching good movies at home on Netflix and of course, enjoying good home cooked food with simple red wine...all this is sufficient for me.

We certainly wish Xavier all the best as he and his team continue to transform the industry to support its vision and mission!

Its company motto says it all: “Think Tomorrow.”

Interviewed by Olivia Koh

MEMBERSHIP

CILTS AGM: 14 May 2021



In the Chairman’s opening address at the 48th AGM held on Friday, 14 May 2021, Mr Karmjit Singh highlighted key areas that CILTS worked on during the pandemic period in 2020 with updates into 2021 as well.

CILTS Advisory Panel and Board – this was refreshed in keeping with the ongoing renewal of contributions from different members and the process of succession planning.

For 2020, in response to the Covid-19 situation, quite a few key digitalisation initiatives were launched, since physical meetings were very much limited (see below).

Webinars - Besides the AGM going virtual for the first time in 2020, relevant topics were discussed via webinars in conjunction with CargoNow and LogiSym. Webinars conducted by CILT International were also posted on CILTS website. In addition, CILTS collaborated with HCS and e2i on the National and Job Security Conference which was of interest to both corporates and our individual members.

e-Learning - On the e-Learning modules of our Supply Chain Professional Development (SCPD) Programme, its contents were recently

upgraded by Dr Roh from the University of Plymouth who lectures in International Logistics. The upgraded contents were also hosted on a new e-Learning platform (LearnDash) that allows CILTS to update its contents more effectively going forward as compared to when it was hosted on a third-party platform. The new platform also enables CILTS to administer inhouse, the enrolment of students in the various SCPD modules more efficiently.

SCPD - In terms of marketing the SCPD modules, all 8 modules are hosted on Temasek Polytechnic's (TP) website and we collaborate with TP on SkillsFuture funding of the programme for Singapore Citizens and Permanent Residents. In addition, we collaborate with PSB Academy whereby 3 of the SCPD modules are offered to students in their Diploma in Global Supply Chain Management that are delivered in a classroom setting.

Online Exams - Another digitalisation initiative is the examination process for students who have completed each module of the SCPD programme. The exams are now conducted online, comprising 20 randomised multiple-choice questions (with shuffled answers) to be completed in an hour and after submission of their answers at the end of the exam, the MCQs are auto-marked and the exam results provided to the students immediately. This is followed by generation of an e-certificate for the student; physical certificate can be requested at a fee as it needs to be printed and delivered to the student.

CILT Buzz - CILTS' monthly newsletter was relaunched from November 2020 with a sharp focus on transport and logistics news and articles. The monthly issues have been produced in a timely manner since then to much

interest and accolades from our members, the industry and other CILT Chapters.

CILTS website – This was revamped to make it easier to navigate, visually more appealing with a library of videos and webinars in its Resource tab. Besides that, a Knowledge Centre with more than 500 items of contemporary publications and white papers was a key development with access only available to members; the wide range of contents would be an asset to current and potential members of CILTS.

Collaboration on Programmes – CILTS is currently working with a few Institutes of Higher Learning (IHLs) to curate a mix of its current SCPD programme together with offerings from the IHLs to provide unique programmes to meet the needs of the industry in particular in the area of digitisation and digitalisation. These include NUS-ISS, SMU Academy, NTUC Learning Hub.

Secretariat's Processes – PayNow has since been implemented to ease the mode of payments by members to the institute via CILTS' UEN (Unique Entity Number) for membership subscription renewals, new members' entrance fees, students' exam fees etc. Internet banking is also set up for CILTS to make online payments to its vendors.

EDUCATION

Supply Chain Professional Development (SCPD)

CILTS' SCPD courses are granted up to **90% subsidy from SkillsFuture!**

CLICK on image for details and registration:



Free Online Courses

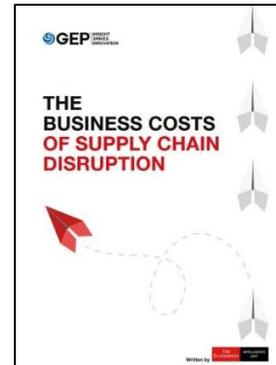
The CILTS website is currently featuring the following free online courses from **Harvard University** and **Massachusetts Institute of Technology**:

1. [Contract Law](#)
2. [Supply Chain Design](#)
3. [Supply Chain Technology & Systems](#)

Each course duration is 2-3 months.

EIU Report: [The Business Costs of Supply Chain Disruption](#)

The Economist Intelligence Unit (EIU) surveyed 400 senior supply-chain and procurement executives in five sectors from eight countries in the US and Europe to produce this comprehensive report:



CILT COMMUNITY / WEBINARS

Check out the following video recordings of CILT International webinars:

CILT Webinar: [Smart and Sustainable Mobility - Delivering Low Carbon Places](#)

The first in CILT International's 'Green Series' of international webinars examining green technology and sustainability issues in relation to the logistics and transport sector.

CILT Webinar: [Green Series In Conversation With - Paul Le Blond](#)

Paul Le Blond, Key Author of the CILT UK Net Zero report, in conversation with CILT Education Lead Jon Harris.

Events on CILTS Website

For more webinars such as the following, check out the [EVENTS](#) section of our website:

- [Using Detection Technology to make Infrastructure & Roads Safer](#)
- [Managing Disruptions and Ensuring Supply Chain Resilience](#)

Who We Are

The Chartered Institute of Logistics and Transport Singapore is the professional body for those engaged in supply chain, logistics and transport – covering all sectors of the industry, namely air, land and sea, for both

passenger and freight transportation. Our objectives are to enhance professionalism, promote continuous learning and facilitate career development amongst supply chain, logistics and transport professionals.

Contact Us

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[CILTS Personal Data Protection Policy](#)



SOURCE: www.greenplan.gov.sg



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It is a living plan which will evolve as we work with Singaporeans and partners from all sectors to co-create solutions for sustainability. Let's work together to make Singapore a green and liveable home.

City in Nature

Green, Liveable and Sustainable Home for Singaporeans

- ✓ Plant 1 million more trees, and have every household within a 10-minute walk from a park by 2030
- ✓ Develop over 130 ha of new parks, and enhance around 170 ha of existing parks with more lush vegetation and natural landscapes by end-2026
- ✓ Add 1000ha of green spaces by 2035

Green Government

Public sector will lead on sustainability

- ✓ Be exemplary in taking sustainability action, including to peak public sector carbon emissions around 2025, ahead of national target
- ✓ Encourage and enable citizens and businesses to adopt sustainability practices, such as through green procurement

Sustainable Living

Strengthen Green Efforts in Schools

- ✓ Introduce an Eco Stewardship Programme to enhance environmental education in all schools
- ✓ Work towards two-thirds reduction of net carbon emissions from schools sector by 2030
- ✓ At least 20% of schools to be carbon neutral by 2030

Green Commutes

- ✓ 75% of trips during peak periods to be on mass public transport by 2030
- ✓ Triple cycling path network to 1,320km by 2030, from 460km in 2020
- ✓ Expand rail network to 360km by early 2030s, from around 230km today

Green Citizenry:

Reduce waste and consumption

- ✓ Reduce amount of waste to landfill per capita per day by 20% by 2026, and 30% by 2030
- ✓ Reduce household water consumption to 130 litres per capita per day

Energy Reset

Cleaner-energy Vehicles

- ✓ New diesel car and taxi registrations to cease from 2025, with all new car and taxi registrations to be of cleaner-energy models from 2030
- ✓ Further revise road tax structure to bring down road tax for mass-market electric cars
- ✓ Target 60,000 electric vehicle (EV) charging points by 2030, with 8 EV-Ready Towns by 2025

Greener Infrastructure & Buildings

- ✓ Green 80% of Singapore's buildings (by Gross Floor Area) by 2030
- ✓ 80% of new buildings (by Gross Floor Area) to be Super Low Energy buildings from 2030
- ✓ Best-in-class green buildings to see 80% improvement in energy efficiency (over 2005 levels) by 2030

Sustainable Towns & Districts

- ✓ Reduce energy consumption in HDB towns by 15% by 2030

Green Energy

- ✓ Quadruple solar energy deployment to 1.5 gigawatt-peak by 2025
- ✓ Tap on cleaner electricity imports, and increase R&D on renewable energy and emerging low-carbon technologies

Green Economy

Sustainability as New Engine of Jobs and Growth

- ✓ New Enterprise Sustainability Programme to help local enterprises adopt sustainability practices
- ✓ Develop Singapore to be a carbon services hub, and a leading centre for green finance in Asia and globally
- ✓ Develop Jurong Island to be a sustainable energy and chemicals park
- ✓ Leverage opportunities in sustainable industries to create good jobs for Singaporeans

New Investments to be Carbon and Energy Efficient

- ✓ Seek new investments to be among the best-in-class in energy/carbon efficiency

Resilient Future

Safeguarding our Coastlines against Rising Sea Levels

- ✓ S\$5b dedicated to coastal and drainage flood protection measures
- ✓ Formulation of coastal protection plans for City-East Coast, North-West Coast (Lim Chu Kang and Sungei Kadut) and Jurong Island by 2030

Safeguarding Food Security

- ✓ Produce 30% of our nutritional needs locally and sustainably by 2030, through developing land and sea space and skilled workers, funding support, and promoting R&D

Keeping Singapore Cool

- ✓ Moderate the rise in urban heat, such as with cool paint and by increasing greenery

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