



Land Transport Excellence Awards 2022

Land Transport  Authority
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AWARDS

Safety Category

Safety Excellence – Civil Contractor (Mega)

Recognises and honours the most outstanding organisation(s) that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Safety Excellence – Civil Contractor (Major)

Recognises and honours the most outstanding organisation(s) that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value between \$20 million to \$50 million.

Safety Excellence – Electrical & Mechanical Contractor (Mega)

Recognises and honours the most outstanding organisation(s) that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Safety Excellence – Electrical & Mechanical Contractor (Major & Minor)

Recognises and honours the most outstanding organisation(s) that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value below \$50 million.

Safety Excellence – PTO Innovative / Effective Safety Programme

Recognise the outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents, and promote safety awareness among commuters and workers in Public Transport.



Award Finalist - Safety

Safety Excellence – Civil Contractor (Mega)

CSCEC-NISHIMATSU JV

Award Title : Safety Excellence – Civil Contractor (Mega)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Organisation : CSCEC-NISHIMATSU JV

China State Construction Engineering Corporation Limited ('CSCEC') is the one of largest state-owned company which was founded in 1982 in China. CSCEC established its Singapore Branch in 1992 and has since completed numerous commercial, residential, industrial, institutional and infrastructure projects in Singapore. It includes multiple MRT projects such as Kaki Bukit Station, Geylang Bahru Station and Canberra Station for the various lines.

Nishimatsu Construction Co., Ltd. ('Nishimatsu'), founded in 1874 in Japan, has also completed many building projects like the UOB Plaza, National Library and Bugis Junction, in addition to the following MRT projects:

- o East-West Line - City Hall Station, Bugis Station and Lavender Station;
- o Circle Line - Nicoll Highway Station, Stadium Station, Mountbatten Station and Dakota Station;
- o Thomson East Coastal Line - Garden by The Bay Station; and
- o Downtown Line - Bored Tunnels connecting to Bishan Depot and Changi Airport Station and Bored Tunnels and Reception Tunnels.

C882 project is the first Joint Venture collaboration between CSCEC and Nishimatsu, in short 'CNJV'.

Under Contract 882, the scope comprises of the construction and completion of Keppel Station (KPS), twin bored tunnels from KPS to HarbourFront Station (HBF) to the west, cut and cover tunnels and twin bored tunnels from KPS to Cantonment Station (CTM) to the east, modification works at HBF and the eastern ventilation shaft, underpass linkway construction and associated ancillary works. This project required special attention on risk mitigation and construction methodology in the following areas:

- o Tunnelling undercrossing the sensitive building structures i.e., Keppel Viaducts, Prima Tower, Sentosa Gateway Tunnel and Monorail structures
- o Linkway underpass construction below live Keppel Road
- o Underpinning works for Keppel Viaduct
- o Triple-Cell diversion works
- o Works adjacent to live HarbourFront Station
- o Safe Management Measures (SMM) and Well-Being of Workforce (Mental Health)

Having developed a comprehensive Safety, Health and Environmental Management System (SHEMS) to effectively implement, control and evaluate the Safety, Health and Environmental (SHE) performance on site with timely reviews to adapt and improve on our safety culture, we have effectively raised our workforce's safety culture through Safety promotions, multiple WSH Programmes and effective safety initiatives / innovations.

Strong management commitment is also demonstrated with resources vested towards achieving the Safety, Health, Environmental and Well-Being objectives with monthly senior management site audits. 'Kopi' sessions between the workforce and our senior management are organized to facilitate effective two-way communication to encourage feedbacks.

CNJV has achieved the prestigious LTA ASAC 'Safety Excellence Award' (Finalist) for three consecutive years (2019, 2020 & 2021), 'Safety Achievement Award' (2021) and to date achieved 6,000,000 Accident-Free Manhours through the combined efforts of our C882 CNJV Team, LTA Project Team and Consultants!



Award Finalist - Safety

Safety Excellence – Civil Contractor (Mega)

SHANGHAI TUNNEL ENGINEERING CO (SINGAPORE) PTE LTD (STECS)

Award Title : Safety Excellence – Civil Contractor (Mega)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Organisation : Shanghai Tunnel Engineering Co (Singapore) Pte Ltd (STECS)

TOP MANAGEMENT WSHE COMMITMENT

Shanghai Tunnel Engineering Co (Singapore) Pte Ltd (STECS) prioritises workplace safety, health and environment (WSHE) and implements all necessary WSHE measures to mitigate and eliminate WSHE risks throughout the course of our Projects' duration.

STEC has a strong conviction that WSHE is an integral part of our business model together with work progress and quality. STEC adopts a hands-on approach towards cultivating a culture that embrace safety and ground leadership. It is also through the company's ultimate WSHE Goal - "Zero Accident and Zero Harm for Everyone", that well-being of staff, workers and subcontractors' is being built upon.

ENGAGING TOTAL WORKPLACE SAFETY AND HEALTH (TOTAL WSH)

STEC introduced the Total Workplace Safety and Health (TOTAL WSH) towards managing the safety, health and wellbeing of its workers. This include developing walk-through risk assessment processes to identify the more significant risks while taking individual risk factors into consideration at each project site and providing annual health screening for the staff.

IMPORTANCE OF WSHE TEAMWORK

STEC's corporate safety slogan – "Safety is the measure of our success" was brought to fruition through the continual teamwork and the unwavering support from our business partners, stakeholders and subcontractors.

STEC also instils WSHE ownership within each employee and encourages them to share their feedback through the Project Director's safety forum, providing a conducive platform for listening, sharing of ideas and implementation of good WSHE practices.

DRIVING WSHE WITH TECHNOLOGY AND INNOVATION

STEC enhances its workers' WSHE knowledge through equipping them with appropriate skill sets for every job undertaken and has invested heavily with the building of an on-site WSHE training centre in all projects, as well as setting up a Virtual Reality (VR) Training Centre. These set-ups allow workers to experience and gather the knowledge of the SWP for each specific activity without the actual risk of being harmed.

In the fight against COVID-19, STEC implemented a digital system to monitor the health status of all site personnel and organised virtual mental health talks and trainings by professional speakers and health practitioners.

Introducing the 3Rs (Reduce, Reuse & Recycle) element has allowed STEC to reduce its carbon footprint and provide a cleaner workplace environment for all.

WSHE EXCELLENCE ACHIEVEMENTS

STEC top management's efforts to enhance the WSHE performance and management were rewarded with winning several exemplary WSHE awards. Most notably STEC was nominated for LTA ASAC Finalist from 2015 to 2018 and winning the ASAC Contractor's Challenge Shield in 2017 & 2018. In addition, STEC also won the Best Innovation and WSHO Awards 2019, Safety Merit Award 2020 and Construction Safety Excellence and Construction Workplace Health Award 2021.

Winning these awards has boosted the morale of the staff and workers, and it is a testimony that STEC is heading in the right direction as we set our sights towards WSHE excellence at the workplace.



Award Finalist - Safety

Safety Excellence – Civil Contractor (Mega)

WOH HUP (PRIVATE) LIMITED

Award Title : Safety Excellence – Civil Contractor (Mega)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Organisation : Woh Hup (Private) Limited

Woh Hup has a rich history of building and civil engineering projects since our inception in 1927. Our extensive portfolio over the past 95 years includes numerous iconic projects such as Clifford Pier, MacDonald House, Wayang Satu Flyover, Gardens by the Bay and Jewel Changi Airport.

Civil Engineering has consistently been a major division in our list of achievements, and we are proud to have completed various LTA projects in the recent two decades such as Circle Line Contracts C825, C852, C855 and Contract T205 for the Thomson-East Coast Line. Our current ongoing transport infrastructure portfolio comprises projects for the Thomson-East Coast Line, Circle Line Extension, and most recently, a contract for the future Cross Island Line.

The accolades and awards are testament of our commitment to consistently produce high quality works while upholding safety. We are honoured to have received over 378 safety awards over the years.

We have received several LTA awards between 2019 to 2021 including Construction Safety Excellence, Construction Safety Merit, Accident-free Recognition, Most Improved Contractor and WSH Officer Recognition. In addition, we have also received numerous recognitions from MOM and ROSPA for our project safety performance, as well as corporate level awards.

We strongly advocate the importance of safety in all projects that we undertake and work collaboratively with our stakeholders to implement measures on sites to uphold our safety standards. These include:

- 1) Strong leadership and commitment from our top management who have ingrained the importance of safety in the company's culture. The leaders are dedicated to make safety a focal point in every aspect of our work;
- 2) We believe in ground-up leadership and encourage our workforce to take ownership in their daily activities which in turn reduces risks and propels their safety mindset to prevent accidents;
- 3) Constant reviews of hazard and risk management systems are communicated to stakeholders regularly; and
- 4) We pioneered several safety initiatives such as our monthly in-house safety newsletter to share key safety findings and messages with our workforce, using technology to streamline inspection processes and installing various gadgets that will help us monitor the safety and health of our workforce.

We believe that workplace safety and health is our responsibility and our moral duty, and we will continue to do our best to ensure our workers always remain safe and healthy.



Award Finalist - Safety

Safety Excellence – Civil Contractor (Major)

HWA SENG BUILDER PTE LTD

Award Title : Safety Excellence – Civil Contractor (Major)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value between \$20 million up to \$50 million.

Organisation : Hwa Seng Builder Pte Ltd

Hwa Seng Builder Pte Ltd (HSB) is a leading A1 civil engineering contractor incorporated in 1992. As a professional and mature construction provider, we focus our core competencies in engineering knowledge, adopting technology to enhance work productivity, innovation, and continuously taking ownership to pledge ourselves as an accident-free and work safe company.

HSB has developed a mature and well-established safety system for controlling risks to all employees and the public arising from activities at worksites. Our efforts were recognised through various safety and environmental awards achieved at both our ongoing and completed projects.

HSB's comprehensive Integrated Management System has provided a framework to identify, control and decrease the risks associated with health, safety and environment within the workplace. It adheres to the ISO 45001, ISO 14001, ISO 9001 Integrated Safety Management System to ensure standardisation and provide guidance to our employees and manages safety and environmental elements at our workplace.

HSB understands the success of a project also directly depends on the Environmental, Health and Safety (SHE) performance of our selected subcontractors and suppliers. The evaluation of subcontractors, based on the criteria indicated in our Integrated Management System (IMS), starts as early as the tender stage. Subcontractors' past SHE performance, QAQC track records and their safety performance statistics are taken into consideration for the projects we are tendering. Sub-contractors are incentivised to score well during the project execution in HSB's monthly SHE Assessment Form. For our suppliers, they are also evaluated during tender stage to ensure that they have attained bizSafe level 4 certification and other necessary certifications before their quotations are accepted.

Through the years of experience, HSB believes that continual improvement in SHE performance, use of innovative technologies and implementation of safety measures will lead to new operational patterns and contribute to our goal. HSB's SHE Corporate Department and the Project Management Team have produced several innovative ideas by supporting research and development of the use of technology at HSB project sites.

HSB takes pride in the work we do and has made safety as our way of life. We believe that our workforce is our greatest asset and we have pledged to not only provide a safe work environment for all our staff, but to also to take care of their welfare and personal well-being. through organising a variety of health talks and mental wellbeing sessions for all staff. Our Corporate Safety Department continue to instill industry-wide best practices to promote safety awareness and initiatives, and provides continual and structured training programmes to inculcate a resilient, safe and healthy culture within the organisation.

The initiatives have enhanced the focus on health, safety management and learning. This has resulted in real improvements such as the reduction of workplace injuries, illness and environmental impacts. These initiatives such as providing in-house training facilities, development of Virtual Reality Safety training, implementation of Mental Wellbeing Psychometric Assessments, participation in WSH awards, initiating SHE campaigns and having our very own "HSB SHE Day" annually.



Safety Excellence – Civil Contractor (Major)

MEGASTONE HOLDINGS PTE. LTD.

Award Title : Safety Excellence – Civil Contractor (Major)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value between \$20 million up to \$50 million.

Organisation : Megastone Holdings Pte. Ltd.

We strongly believe our employees are our most valuable asset and the interests of the public are always our top priority. Our mission is to ensure everyone returns to their loved ones safely every day and to alleviate any disruptions caused to the public during the course of our works. This sense of purpose has spurred us on to challenge the status quo and to improve ourselves in surpassing the industry safety standards.

At Megastone, we are fully committed to uphold a high safety standard and remain steadfast to a safe work culture. We are constantly working on identifying hazards, unsafe acts and conditions that could put both internal and external stakeholders in danger. We are always seeking continuous improvement in risk management and accident prevention while endorsing the near miss reporting and whistleblowing policy.

On the ground, we deeply believe that safety should be owned by all individuals. Tremendous efforts have been put in to instil a positive mindset that everyone has a part to play, regardless how small it can be, to uphold their own safety as well as the safety of people around them. We also encourage the use of innovative technologies and ground-up initiatives to empower our people to minimise the operational risks and promote safety at work. This approach has allowed us to execute our work in a safer and more efficient manner.

To complete our holistic strategy, we embraced the framework of Total Workplace Safety and Health (TWSH). As our TWSH slogan 'We Work Safe and Stay Healthy at all times' suggests, the wellness of our workers is equally important to upholding safe work practices. We provide periodic medical check-ups for our workers, reach out to them through various engagement programmes and appreciate their contributions on a regular basis to reduce mental stress.

Over the years, we have been recognised for our efforts in working towards a safer and healthier work environment through several accolades received over the years. The accolades garnered in the last three years include:

2021 – LTA Construction Environmental Merit Award (Contract ER489, Category B)

2021 – LTA Construction Safety Innovation Award (Contract ER489)

2021 – LTA Construction Safety Merit Award (ER381, Category D)

2021 – SCAL Productivity & Innovation Merit Award (Construction of Temporary Steel Channel for Canal)

2020 – LTA Construction Safety Merit Award (Contract ER489, Category B)

2020 – WSHC Safety & Health Award Recognition for Projects (URA Contract 2, Certificate of Commendation)

2019 – LTA Construction Environmental Merit Award (Contract ER521A, Category D)

2019 – WSHC bizSAFE Enterprise Exemplary Award

2019 – SCAL Productivity & Innovation Merit Award (F.E.S. Blocks)



Award Finalist - Safety

Safety Excellence – E&M Contractor (Mega)

MEIDEN SINGAPORE PTE LTD

Award Title : Safety Excellence – E&M Contractor (Mega)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Organisation : Meiden Singapore Pte Ltd

Meiden Singapore is founded and subsequently built transformer factory in 1975. We participated in the construction of Phase 1 North-South Line as the power supply contractor in 1984. This was considered a significant achievement in Meiden group history. Since then, we have been involved in various Singapore MRT projects.

At Meiden Singapore, there are four core components of Safety Excellence:

- Commitment in health and safety at the workplace, not just proactive but also preventive;
- Continuous improvement in providing a healthy and safe workplace. Any unsafe activities/actions and/or workplace conditions/practices would be removed/prevented to avoid unnecessary injuries or illnesses;
- Promote a respectful, collegial and supportive work environment; and
- Recognise contributions made towards fostering a culture of a safe and healthy workplace.

At Meiden, we emphasise in cultivating a strong safety culture at the workplace through the implementation of the in-house Environmental Management System as well as compliance to the Occupational Health Safety Management System in accordance to ISO 14001:2015 and ISO 45001:2018. As such, our philosophy is aligned with LTA's Safety, Health and Environmental (SHE) Commitment to "Achieve Zero incidents and Zero Health impact to the Workforce".

For our efforts, we have received the following key awards at LTA's Annual SHE Award Convention (ASAC) in Year 2020:

1. Certificate of Recognition

Recognition for Achieving 0.4 million Accident Free Safe Man-hours

2. Certificate of Excellence

Achieving Outstanding Performance in Safety & Health Management System

3. Most Improved Contractor

Commendable efforts to improve Safety & Health Management for the Year 2020

At Meiden, the safety, health and wellbeing of all our employees are of utmost importance and we are committed to a continuous effort towards accident prevention. We believe that accidents and injuries are preventable by ensuring that we work together to plan, prepare and communicate well as a team.



Award Finalist - Safety

Safety Excellence – E&M Contractor (Mega)

ST ENGINEERING

Award Title : Safety Excellence – E&M Contractor (Mega)

Award Criteria : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value above \$50 million.

Organisation : ST Engineering

ST Engineering is a global technology, defence and engineering group with a diverse portfolio of businesses across the aerospace, smart city, defence and public security segments. The Group harnesses technology and innovation to solve real-world problems, enabling a more secure and sustainable world. As part of its Smart City portfolio, ST Engineering provides an extensive suite of Smart Mobility solutions that has been deployed in over 300 projects, optimising operational efficiency and enhancing commuter experience in more than 50 cities around the world.

ST Engineering was awarded the T260 - Communications System contract for the Thomson-East Coast Line (TEL) MRT network. The scope included the design, manufacturing, delivery, installation, testing and commissioning of the Communications System for the TEL, which is 43 km long and comprises 32 underground stations and two depots. The project adheres to stringent environmental, occupational health and safety standards and leverages state-of-the-art technology to provide a Communications System Network that supports the fully automated, driverless operation of the TEL.

Strong EOHS framework and culture

ST Engineering has built a robust Environmental, Occupational Health and Safety (EOHS) framework and culture, maintaining a company track record of zero accidents, zero environment fines and 15,571,375 accident free man-hours for the past 11 years since 2010. For the T260 project, it has maintained zero accidents, zero environment fines and 1,605,895 accident free man-hours since the beginning of the project in year 2017 to date.

An Occupational Health and Safety Risk Assessment Process and Environmental Impact Management Process was applied across the full project cycle to identify risks and environmental impact, and mitigation measures to be taken. Life cycle studies were also conducted for our products with considerations for opportunities to 'Reduce', 'Reuse' and 'Recycle' to minimise health, safety and environmental impact. To ensure effective communications with personnel, risk assessment reports were included in EOHS induction programmes and EOHS best practices were communicated to related stakeholders at regular meetings and through visual reminders at offices and worksites.

Other initiatives included a stringent supplier/subcontractor evaluation and selection process to ensure they regularly comply with EOHS standards. ST Engineering provides an EOHS mentoring programme which comprises of bizSAFE Star certification and ISO45001 certification to help its suppliers/subcontractors to continually improve their EOHS standards.

Continuous improvements

ST Engineering regularly analyses EOHS observations from its inspections and audits, reports deviations (hazards) and near miss incidents for root cause investigation. The effectiveness of established control measures is verified and shared with its EOHS committee for continuous improvement.

EOHS safety initiatives during COVID-19

With COVID-19 accelerating the shift towards digitalisation and changing how employees work and communicate, ST Engineering has pioneered three digital core safety and health systems for LTA projects:

- **e-Permit-To-Work:** The digital system allows contractors to apply for permit-to-work for hazardous works online, removing the need for physical interactions.
- **Safety and Health Checklist Inspection (e-SHCI) form:** Through digital verification, the e-SHCI form provides the assurance that safety and health checks are observed by all personnel at the various worksites, allowing effective safety and health communications and close monitoring of focus areas; and
- **Toolbox Meeting (e-TBM) form:** The e-TBM form provides a platform for safety briefing, dissemination of risk assessment and broadcast of EHS messages to all staff.

In addition, as a responsible employer, ST Engineering organises initiatives such as health screenings, talks and programmes related to fitness and healthy living to promote the importance of employee health and well-being.



Award Finalist - Safety

Safety Excellence – E&M Contractor (Major & Minor)

OTIS ELEVATOR COMPANY (S) PTE LTD

Award Title	: Safety Excellence – E&M Contractor (Major & Minor)
Award Criteria	: The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value below \$50 million.
Organisation	: Otis Elevator Company (S) Pte Ltd

Headquartered in Connecticut, USA, Otis is committed to meeting the diverse needs of our customers and passengers in more than 200 countries and territories.

Otis is the world's leading company for elevator and escalator manufacturing, installation and service. We move 2 billion people a day and maintain approximately 2.1 million customer units worldwide – the industry's largest service portfolio.

In the Thomson East-coast Line (Stage 1-3) project, Otis supplied 169 Gen2 machine roomless lifts. Each Gen2 machine roomless lift has capacity of 1020 kg (15 persons) and the speed of 1.0m/s equipped with Regenerative Drives. On top of that, we also supplied 411 escalators and 8 passenger conveyors to efficiently move commuters in and out of the MRT stations.

We want our employees, customers, partners and people who rely on our products and services to be safe. From fall protection in the hoistway to controlling elevator movement during service and electrical safety procedures on the jobsite, we have built safety into everything we do.



Award Finalist - Safety

Safety Excellence – E&M Contractor (Major & Minor)

ST ENGINEERING

- Award Title** : Safety Excellence – E&M Contractor (Major & Minor)
- Award Criteria** : The Safety Excellence Award recognises and honours the most outstanding organisation that has consistently achieved a track record for good corporate wide safety practices on land transport development for contract value below \$50 million.
- Organisation** : ST Engineering

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ST Engineering was awarded the C1666 - Communications System contract for the Tuas West Extension (TWE) MRT network, part of the East-West Line (EWL) which connects Joo Koon and Tuas Link via a 7.5km long MRT viaduct. The scope of the contract includes the designing, manufacturing, installation, testing and commissioning of the TWE Communications System. The project adheres to the stringent environmental, occupational health and safety standards and leverages on the state-of-the-art technology to support the operations of the TWE.

Strong EOHS framework and culture

ST Engineering has built a robust Environmental, Occupational Health and Safety (EOHS) framework and culture, maintaining a company track record of zero accidents, zero environment fines and 15,571,375 accident free man-hours for the past 11 years since 2010. For the C1666 project, it has achieved zero accidents, zero environment fines and 204,388 accident-free man-hours for the entire project duration from 2014 to 2019.

An Occupational Health and Safety Risk Assessment Process and Environmental Impact Management Process was applied across the full project cycle to identify risks and environmental impact, and mitigation measures to be taken. Life cycle studies were also conducted for our products, taking into account opportunities to 'Reduce', 'Reuse' and 'Recycle' to minimise health, safety and environmental impact. To ensure effective communications with personnel, risk assessment reports were included in EOHS induction programmes, and EOHS best practices were communicated to related stakeholders at regular meetings and through visual reminders at offices and worksites.

Other initiatives included a stringent supplier/subcontractor evaluation and selection process to ensure they regularly comply with EOHS standards. ST Engineering provides an EOHS mentoring programme which comprises bizSAFE Star certification and ISO45001 certification to help its suppliers/subcontractors continually improve their EOHS standards.

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In addition, as a responsible employer, ST Engineering organises initiatives to promote employee health and well-being such as health screenings, talks and programmer related to fitness and healthy living.



Award Finalist - Safety

Safety Excellence – PTO Innovative / Effective Safety Programme

GO-AHEAD SINGAPORE PTE LTD

Award Title : Safety Excellence – PTO Innovative / Effective Safety Programme

Award Criteria : The Safety Excellence – PTO Innovative / Effective Safety Programme Award recognises outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents and promote safety awareness among commuters and workers in Public Transport.

Organisation : Go-Ahead Singapore Pte Ltd

Project : Using driver telematics to drive safer behaviour cultural change

Go-Ahead Singapore (GAS) is a subsidiary of the UK-based Go-Ahead Group, a multi-modal international public transport operator delivering over one billion annual journeys. Operating on a devolved management structure, GAS retains its ability to provide quick responses to the changing needs and conditions of a local market independently. As a local public transport operator, safety is the fundamental priority of our business and the commitment to delivering safe, reliable and comfortable journeys for all commuters is one the organisation takes very seriously.

GAS conducts safety programmes and initiatives to keep its staff proactively engaged regularly on related matters. GAS has an established strategy of implementing digital solutions to support continuous learning and placing an emphasis on effective people management and processes that delivers both a safe journey for commuters and a safe working environment.

In February 2020, GAS rolled out a driver behaviour cultural change programme using the GreenRoad telematics system to help our bus captains to become safer drivers. It provides real-time information and alerts to help drivers refrain from adopting risky behaviours that could lead to potential incidents. GreenRoad aids bus captains in monitoring their own driving behaviour and making proactive improvements to avoid clocking negative driving behaviours. This initiative has brought benefits to GAS with improvements by reducing the negative events an hour from 6.1 during the blind trial conducted in March 2017 to 1.9 in mid-2021.



Award Finalist - Safety

Safety Excellence – PTO Innovative / Effective Safety Programme

SBS TRANSIT LTD

Award Title	: Safety Excellence – PTO Innovative / Effective Safety Programme
Award Criteria	: The Safety Excellence – PTO Innovative / Effective Safety Programme Award recognises outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents and promote safety awareness among commuters and workers in Public Transport.
Organisation	: SBS Transit Ltd
Project	: Bus Interchange Depot Access Request (BIDAR)

SBS Transit Ltd developed a digitalisation roadmap as part of our DigiSafe ecosystem. The aim of the DigiSafe ecosystem is to improve work productivity and data accuracy within SBST. Data collected can be analysed to derive real-time statistical reports, better inform driving decisions and develop strategies to improve safety outcomes.

In September 2019, the BIDAR system was officially launched as a major milestone for the Bus Safety Department in the digital landscape to allow paperless application of access permits. The system allows external parties to apply for Access Permit into SBST's premises before commencement of work. Users can access the BIDAR system anywhere at any time with an internet connection.

The benefits of the BIDAR system are:

1. Compliance evaluation and assurance to the Workplace Safety and Health (WSH) Act;
2. Systematic and proactive approach in contractor management through declaration of hazardous work activities as a preventive measure towards an incident free workplace;
3. Higher productivity and shorter time spent in processing applications;
4. Real time tracking of access permit application status;
5. Eliminating human administrative errors eliminated;
6. Reduction of paper use and centralised record keeping;
7. Heightened safety awareness in building WSH capability amongst the stakeholders.



Award Finalist - Safety

Safety Excellence – PTO Innovative / Effective Safety Programme

SMRT TRAINS LTD

Award Title : Safety Excellence – PTO Innovative / Effective Safety Programme

Award Criteria : The Safety Excellence – PTO Innovative / Effective Safety Programme Award recognises outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents and promote safety awareness among commuters and workers in Public Transport.

Organisation : SMRT Trains Ltd

Project : Safety Communications and Engagement Programme

Safety is at the heart of everything we do in SMRT Trains. We strive to build a safe working environment for our staff and deliver a safe, reliable and enjoyable journey for our commuters and stakeholders. All of us in SMRT are fully committed to our Vision, Mission, and Core Values of Respect, Integrity, Safety & Service and Excellence.

With focus and strong determination, we have reaped good results by working tirelessly to improve our safety culture and performance. Our safety lagging and leading performance indicators had shown positive improvements, such as a lower Workplace Injury Rate, reduction in high severity findings for audits and inspections, and more open reports received.

We attribute a large part of these improvements to our comprehensive safety communications and engagement programme, consisting of multiple touch-points to inculcate a culture of safety mindfulness which include:

Daily Safety Moment

Regular and consistent Safety messages to build safety knowledge and share lessons learnt to all staff. This is done before the start of meeting or work activity.

Safety Protected Time and Enhanced Toolbox Briefings

Dedicated time set aside for safety discussions, reflection and learning by work teams.

Enhanced Toolbox Briefing

A structured toolbox briefing to ensure comprehensiveness and to enhance safety awareness among work parties.

Safety Outreach Events and Forums – Safety & Security Day and Trains Safety & Security Forum

Safety Forums and engagement sessions with high level of staff participation are enabling platforms for learning and cross-sharing on safety best practices.

Project Magnify (Safety)

Large, prominent wall murals installed at multiple worksites that carry key safety messages. These serve as constant reminders for staff and set the tone towards a positive safety culture.

Engagement Tools Leveraging Workplace by Facebook and Intranet

An archive of safety resources to enable easy access of safety materials for adoption, dissemination and learning.

Benchmarking with External Stakeholders and Partners

External engagements with international operators such as Community of Metro (CoMET) International Railway Benchmarking Group, Technical Advisory Panels and Institute of Singapore Engineers for the collective development of Singapore Rail Standards.

We aspire to be the best in the industry for our safety standards and remain undeterred in our journey towards safety excellence. We will continue to drive safety as a core value as we strive towards our "Zero Accident" vision. Every level of SMRT Trains management and staff remains committed to be actively involved in creating a safe environment for all.

Through our strategic work plan to broaden our safety communications and engagement programme, we will continue to strengthen our lines of action to better deliver safety performances and build a safer workplace with a stronger safety culture.



Award Finalist - Safety

Safety Excellence – PTO Innovative / Effective Safety Programme

SMRT BUSES LTD

Award Title : Safety Excellence – PTO Innovative / Effective Safety Programme

Award Criteria : The Safety Excellence – PTO Innovative / Effective Safety Programme Award recognises outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents and promote safety awareness among commuters and workers in Public Transport.

Organisation : SMRT Buses Ltd

Project : Installation of Additional Rear Door Sensor for Safe Alighting

The original design of MAN buses came with only an overhead photocell sensor installed at the rear exit doors. This sensor, located at the top of the door frame, is a safety feature that detects passenger standing near the rear door and prevents the rear door from closing if triggered.

There had been several cases of commuter mishaps due to the rear door closing while the passengers were alighting from the MAN A22 single decker buses. SMRT Buses did a study and the findings revealed that the problem was due to the limited range of the existing overhead photocell sensor in detecting an alighting passenger.

To resolve the issue, SMRT Buses embarked on two trials to assess the feasibility of installing an additional sensor at the exit door of the buses. SMRT Buses worked closely with MASATS, the manufacturer of the door system of the MAN buses, together with members from SMRT Bus Workshop and Bus Operations to design and install additional sensors that would fit and work with the existing door system and sensors. To ensure the safety of the system, the sensor was mounted onto an aluminum bracket with all cables tucked into the door frame. Following two successful trials where 50 buses were fitted with the additional sensors, it was implemented fleet-wide on all MAN A22 buses owned by SMRT Buses. Since its implementation in 2021, the sensor system proved reliable with zero breakdowns till date.



Award Finalist - Safety

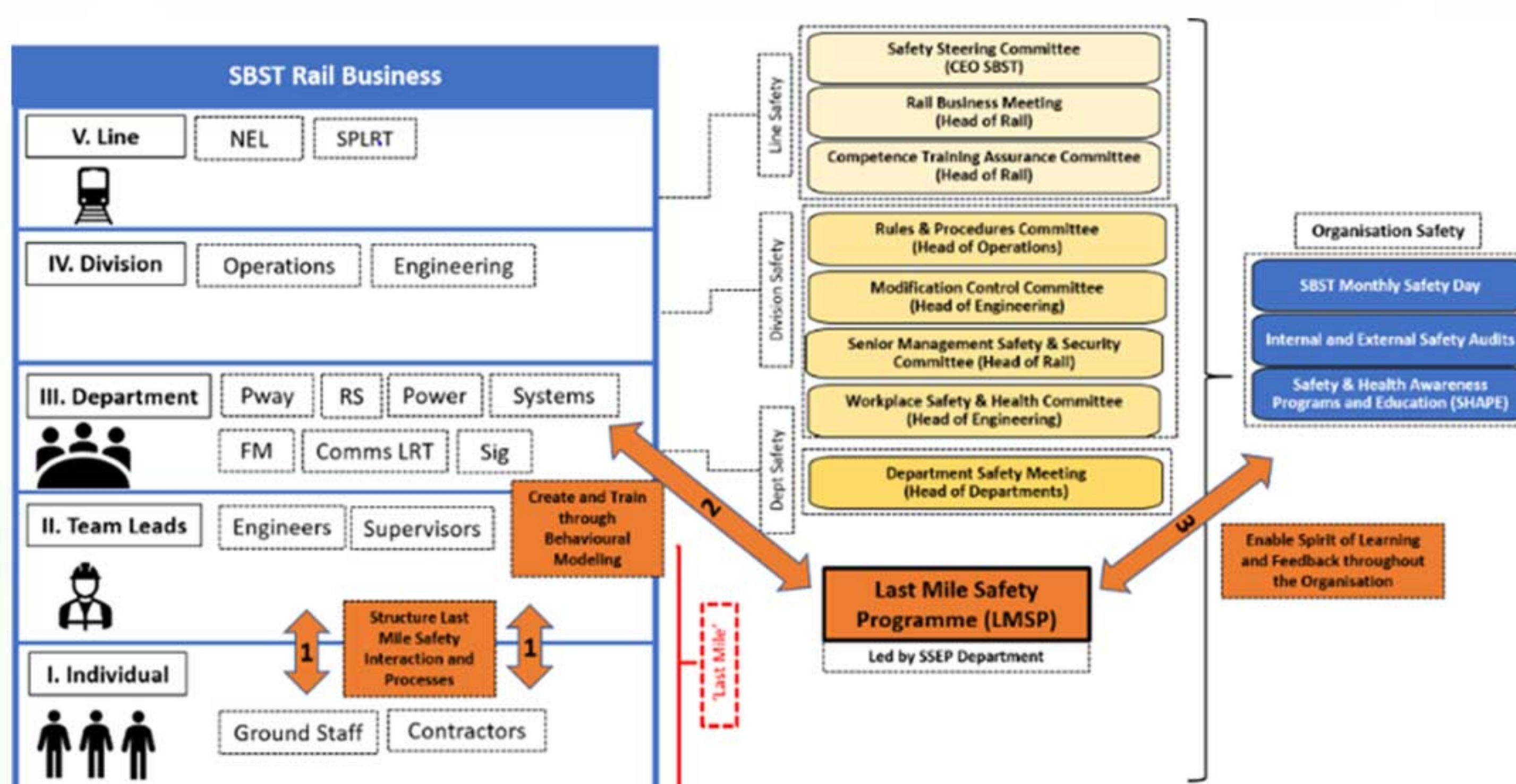
Safety Excellence – Public Transport Operator Innovative/ Effective Safety Programme

SBS TRANSIT LTD

Award Title	: Safety Excellence – Public Transport Operator Innovative/ Effective Safety Programme
Award Criteria	: The Safety Excellence – PTO Innovative / Effective Safety Programme Award recognises outstanding contributions by organisations that have proactively implemented innovative and effective safety programmes to achieve zero accidents and promote safety awareness among commuters and workers in Public Transport.
Organisation	: SBS Transit Ltd
Project	: Last Mile Safety Programme

The Last Mile Safety Programme (LMSP) is a coaching and modelling programme which provides a targeted solution to strengthen safety practices at operational 'last mile' on-the-ground. It has three objectives:

1. Structure Last Mile Safety Interaction between Staff and Supervisors
2. Create a Visible Behavioural Model to Follow by Coaching Safety Leaders
3. Enable Spirit of Continuous Learning and Feedback to Generate a Safety Culture



It is designed as a holistic and 360-degree enhancement tool, and the training for LMSP was implemented over 3 to 6 months.

SBS Transit leveraged on technology by tapping on our in-house mobile application called 'iLink'. Through the enhancement of the app, staff can access features related to the LMSP through this centralised 'one-stop-shop', including online training modules, qualifications tracking, and incident reporting and work instructions on-the-go.

The LMSP's focus on the 'last mile' is easily replicable to a wide range of operational and engineering works in the transport industry. Implementation is cost-effective as the programme is concentrated on communication and behavioural change.

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