

INTERNATIONAL MONORAIL ASSOCIATION



# MONORAILEX 2025

— A Forum for Ideas —

Conference & Technical Visits

September 19 - 23, 2025

Sentosa Island, Singapore



# Elevating Mobility - Monorails and the Future of Public Transportation

## Invite

The International Monorail Association is excited to invite you to join its 17th annual conference Monorailex. The leading international professional conference covers all aspects of monorail systems. The event will take place from 19 to 23 September 2025 on Sentosa Island in Singapore and will include technical visits to various alternative solutions for public mass transit.

Monorailex is designed to provide a platform for presenting new research, latest developments, and operational findings related to monorail systems. The conference serves as a forum for experts in transportation planning, industry suppliers, system integrators, infrastructure services, researchers, operators, consultants, academic and certification bodies to share ideas and discuss innovations in the field.

The program will feature expert lectures and scholarly presentations that showcase monorail projects in operation, and innovative research in monorail systems. This is an opportunity to gain valuable insights, exchange feedback, and explore innovative solutions that will shape the future of sustainable urban mobility.

A special feature of our conference will be again the "Technical Visits". Singapore is clearly positioning itself as a pioneer for innovative mobility solutions. For the past 20 years, the Sentosa Express monorail system has been a reliable part of Singapore's transportation network. In addition, alternatives like cable cars and the urban Automated People Mover (LRT) contribute to the city's efficient public transit. Currently, an autonomous minibus shuttle is undergoing its final tests for approval for public use. We will be able to visit all these systems on the Technical Tour and discuss challenges and experiences.

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### Mission Statement

The mission of the International Monorail Association is to organize the global monorail sector, promote the application of monorail, publish information, and initiate and support standardization processes of monorail systems for public mass transport infrastructure.

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### Venue

Amara Sanctuary Hotel  
1 Larkhill Road  
Sentosa Island  
Singapore 099394

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### Up-to-date Information

For the latest event updates, please visit our website at [www.monorailex2025.org](http://www.monorailex2025.org).

Marko Krönke, President



# Thank you to our 2025 Partner Companies.

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## PLATINUM PARTNERS

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## GOLD PARTNERS

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## SILVER PARTNERS

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## BRONZE PARTNERS

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# Useful Contacts and Addresses

**Police:** 999

**Ambulance/Fire Fighters:** 995

**Ilga:** +1 613 483 2836 (only whatsapp)

**Maxim:** +49 171 4110479

## Addresses Locations

### **Amara Sanctuary Hotel**

1 Larkhill Road, Sentosa, Singapore 099394

Phone: +65 6825 3888

### **Ola Beach Club**

46 Siloso Beach Walk, Sentosa, Singapore 099005

Phone: +65 8028 3228

### **Royal Taj Restaurant**

Village Hotel, Mess Hall, 2 Gunner Lane, 02-07, Sentosa, Singapore 099567

Phone: +65 9118 5896

### **Native Kitchen Restaurant**

Village Hotel, 10 Artillery Avenue, Sentosa, Singapore 099951

Phone: +65 6722 0818

### **Ultra Golf**

54 Palawan Beach Walk, Sentosa, Singapore 098233

Phone: +65 6277 7093

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## Schedule of Events

Subject to Change

## Annual General Meeting & Welcome Reception

**Friday, September 19, 2025**

*Location: Conference Area, Hotel 'Amara Sanctuary'*

12:00 Board Meeting (all IMA Executive Council members)

14:00 *Welcome Coffee & Light Lunch Snack (all IMA members)*

15:00 Annual General Members Meeting (all IMA members)

17:00 Individual Leisure Time

*Location: Ola Beach Club, Sentosa Island (walking distance 14 min. from hotel)*

19:00 Welcome Reception, (all registered Monorail conference participants)

# Schedule of Events

Subject to Change

## Conference Days

Saturday, September 20, 2025

Location: Conference Area, Hotel 'Amara Sanctuary'

- 08:00 Registration
- 09:00 Welcome
- 09:10 Policy and Planning Considerations for Singapore's Rapid Transit System  
Keynote - Mr. Chua Chong Kheng, CEO of MSI Global Pte Ltd., Senior Advisor of LTA
- 09:35 Introducing Sentosa Island  
Mr. Chew Yun Meng, Divisional Director at Sentosa Development Corp.
- 09:50 **P1** Reimagining Monterrey: How Monorail is Driving the Future of Urban Mobility,  
*Sistema de Transporte Colectivo Metrorrey*
- 10:20 Coffee Break, *in the foyer*  
In-house Exhibition
- 11:05 **P2** Onboard Power Traction Batteries' Influence on Operational Scenarios of São  
Paulo Metro Line 17-Gold, *Metro São Paulo*
- 11:35 **P3** Application of Active Noise Cancellation Technology in Rail Transit, *Honrock Railway  
Transportation Equipment*
- 12:05 **P4** Intelligent On-Board Solutions, *Luetze Transportation*
- 12:35 Networking Lunch, *in the foyer*  
In-house Exhibition
- 14:05 **P5** Study of the Index System of Assessment for the Maintaining Condition of  
Monorail Guideway Beams and Bridges in Chongqing, *Beijing Jiaotong University*
- 14:35 **P6** Macro Texture Influence on Surface Wearability and Skid Resistance of Monorail  
Guideway Beams, *Innova Transportation*
- 15:05 **P7** Evolution of the Dimensional Verifications on the Guide Beams and Closure Pours  
in Line 15 – Silver, *Metro São Paulo*
- 15:35 Coffee Break, *in the foyer*  
In-house Exhibition
- 16:20 **P8** Hitachi Rail Monorail Solutions – System Safety Analysis and SIL4 Certification  
Process for the Safety Function: Vehicle Direction Control, *Hitachi Rail*
- 16:50 **P9** Guidelines for Safe Passenger Evacuation from Elevated Monorail Systems,  
*IMA WG Passenger Evacuation (Lead: TÜV SÜD Rail)*
- 17:20 **P10** Examples for Safe Passenger Evacuation Solutions, *TÜV SÜD Rail*
- 17:50 Closing of Day 1

Location: Restaurant Royal Taj (walking distance 3 min. from hotel)

- 19:00 Networking Dinner



# Schedule of Events

Subject to Change

## Conference Days

Sunday, September 21, 2025

Location: Conference Area, Hotel 'Amara Sanctuary'

- 08:00 In-house Exhibition & Networking
- 09:00 **P11** Pink & Yellow Monorail – 2 Years in Operation Performance Review, *Alstom*
- 09:30 **P12** Challenges and Lessons Learned on Resilience in the Implementation of the BIM Tool for the Monorail Megaproject Line 3 of the Panama Metro, *Nippon Koei LAC*
- 10:00 **P13** Special Monorail Applications Switzerland, *Derap Monorail Systems AG*
- 10:30 Coffee Break, *in the foyer*  
In-house Exhibition
- 11:10 **P14** Pounding Analysis for Monorail Elevated Structures, *Sener Mobility*
- 11:40 **P15** Monorail Structures: Ideas for Span and Assembly Optimizations, *mageba Services & Technology AG*
- 12:10 **P16** Application of the World's Largest (Over 10 Meters) Intelligent Cantilever Bridge Erecting Machine in Continuous Girder Construction, *Shanxi Zhonghaiwei Rail Transit Engineering Co. LTD*
- 12:40 Networking Lunch, *in the foyer*  
In-house Exhibition
- 14:00 **P17** Assessing Friction and Texture for Safer Monorail Beams, *Nippo Sangyo*
- 14:30 **P18** Uncovering the True Cost – Key Factors Influencing Life Cycle Costing in Operations and Maintenance, *claystreetX*
- 15:00 Coffee Break, *in the foyer*  
In-house Exhibition
- 15:30 **P19** Beyond Traditional Rail: How TÜV Rheinland Enables Futran's Vision for Affordable, Sustainable, and Safe Urban Transit, *TÜV Rheinland Group*
- 16:00 **P20** On-Demand Urban Cable Car Transit System 'Whoosh', *Holmes Solutions*
- 16:30 **P21** Alleviating Impacts of Climate Change: Cairo Monorail as a Mitigation Measure, *National Authority of Tunnels Egypt*
- 17:00 Closing of Day 2

Location: Ultra Golf

- 17:10 Leave hotel for social activity, *walking distance 6 min.*
- 17:30 Minigolf 'Tournament'

Location: Restaurant Native Kitchen (*walking distance 7 min. from Ultra Golf*)

- 19:00 Closing Dinner

# Schedule of Events

Subject to Change

## Technical Visits Days

Monday, September 22, 2025

*Locations: Sentosa Island & Singapore Mainland*

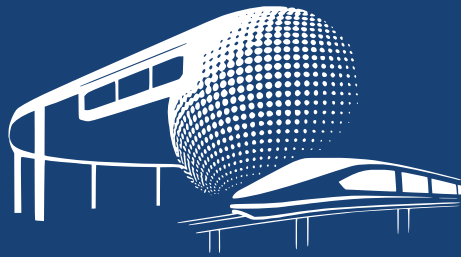
- 08:40 Leave Amara Sanctuary Hotel (on foot)
- 09:00 Visit Sentosa Express Monorail
  - OCC
  - Depot
  - Ride
- 12:15 *Lunch, Food Trucks on Sentosa*
- 13:45 Ride with Cable Car Sentosa Line
- 14:30 Transfer to Mainland Singapore (Public Transport)
- 15:00 Guided City Walk
  - Start of Tour: Sentosa Monorail Exit at HarbourFront
  - Chinatown incl Buddha Tooth Relic Temple and Marina Bay Walking Tour
  - End Point: Makansutra Gluttons Bay
- 18:00 Individual Leisure Time

Tuesday, September 23, 2025

*Locations: Singapore Mainland*

- 08:30 Leave Amara Sanctuary Hotel by Bus
- 09:15 Arrival at Junction 10 Pick-up/Drop-off Point
- 09:25 Visit Bukit Panjang LRT (Automated People Mover)
  - Overview of BPLRT, System Renewal Projects, iSafe Capabilities
- 09:55 Visit to Interim OCC and Workshop Tour
- 10:30 LRT Ride to Choa Chu Kang (BP1) Station
- 10:40 Tour of CCK LRT Station, CCK MRT Station and CCK Bus Interchange
- 11:15 *Lunch (Free and Easy), CCK-Lot One Shopping Mall, near CCK Station*
- 12:45 Leave CCK-Lot One Shopping Mall by Bus
- 13:00 Arrival at Singapore Rail Discovery Centre (SRDC) at TEL Mandai Depot Pick-up/Drop-Off Point
- 13:10 Introduction of SRDC
- 13:20 Guided Tour of SRDC and TEL OCC Visit
- 14:30 End of SRDC and TEL OCC visit, and Bus Transfer to Amara Sanctuary Hotel

End of Monorailex



INTERNATIONAL **M**ONORAIL **A**SSOCIATION

# MONORAILEX 2025

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Sentosa Island, Singapore

International Monorail Association

Schützenstrasse 19  
3627 Heimberg  
Switzerland

[www.monorailex.org](http://www.monorailex.org)  
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