

UNDER THE PATRONAGE OF HIS HIGHNESS SHEIKH MANSOUR BIN ZAYED AL NAHYAN,
VICE PRESIDENT, DEPUTY PRIME MINISTER, AND CHAIRMAN OF THE PRESIDENTIAL COURT



GlobalRail

Transport Infrastructure Exhibition & Conference

8 - 10 October 2024 | ADNEC Centre Abu Dhabi

HOSTED BY



قطارات الاتحاد
Etihad Rail

CONFERENCE BROCHURE

Setting Transport Infrastructure and
Global Connectivity in Motion

8 – 10 OCTOBER
ADNEC CENTRE ABU DHABI, UAE



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Global Rail Conferences

REALISING RAIL'S TRANSFORMATIVE POTENTIAL FOR ECONOMIES, COMMUNITIES AND CLIMATE THROUGH COLLABORATION, INTEGRATION, AND INNOVATION

Held under the theme, 'Setting Transport Infrastructure and Global Connectivity in Motion Global Rail 2024 will unite policymakers, network operators, transport authorities, financiers, technology pioneers, developers and OEMs, to discuss actionable strategies for realising rail's transformative potential for communities, climate, and economies. The three-day Global Rail Strategic Conference will identify strategic pathways for unlocking value in the railway project lifecycle, through global and cross-sector collaboration supported by regulation and policy mechanisms designed to accelerate innovation, scale new technologies, advance digital transformation and unlock rail's potential as an enabler of economic growth, supply chain resilience and decarbonisation.

The Global Rail Technical Conference will showcase cutting-edge R&D with the potential to transform rail operations and maintenance, passenger experience, project delivery and unlock value across the rail project lifecycle. Through a mix of panel discussions, fireside chats, case studies and project updates, the Global Rail 2024 conferences will unite the transport value chain to accelerate the pathway towards the interconnected, sustainable transport ecosystem of tomorrow.

1,000+
Delegates

150+
Global Speakers

100+
Participating Countries

40+
Impactful Sessions



Global Rail Conference Themes

Intermodal and Multimodal Connectivity

Increasing rail's inter-modal share of passengers and freight, through collaboration and integration across transport modes and networks, to future-proof supply chains and drive economic growth.

Smart Mobility

Harnessing the proliferation of transport data to drive interoperability and real-time collaboration across transport networks, for the seamless movement of people and goods.

Digital Transformation And Communications

Leveraging 5G communications technology to realise the transformative potential of AI, IoT and automation, for passenger experience, operational efficiency and business model innovation.

Infrastructure Resilience

Increasing the ability of rail systems to withstand extreme weather and unforeseen events through collaboration between project stakeholders, supported by digital technologies and infrastructure innovation.

Sustainability

Capitalising on rail's role in global decarbonisation agendas by positioning rail at the center of sustainable transport policies, to drive innovation and investment in electrification, alternative energy systems, and green technologies.

Financing

Unlocking value in the rail project lifecycle through innovative partnership and procurement models, green financing, operational efficiency, and business model innovation supported by digital transformation and green technologies.

Policy And Governance

Developing innovative policy and governance frameworks to keep pace with innovation, reduce barriers to entry, improve interoperability of new systems, and reduce time to market for disruptive technologies with the potential to unlock value for rail project stakeholders.

Supply Chain Resiliency

Understanding the importance of railways for the development of robust trade corridors and the secure, sustainable and reliable movement of goods across the globe

Ministerial Representation at Global Rail



His Excellency Suhail Mohamed Al Mazrouei
Minister of Energy and Infrastructure
United Arab Emirates



H.E. Jasem Mohamed AlBudaiwi
Secretary General
Corporation Council of the Arab States of the Gulf



H.E. Hon. Fred Byamukama
State Minister of Transport
Uganda



H.E. Jassim Al Sulaiti
Minister of Transport
Qatar



H.E. Liburn Aliu
Minister of Environment,
Spatial Planning and Infrastructure
Kosovo



H.E. Mothanna Gharaibeh
Minister of Investment
Jordan



H.E. Ngalle Bibehe Jean Ernest Massena
Minister of Transport
Cameroon



H.E. Dr. Nourah Mohammed Khalid Al Mashan
Minister of Public Works
Kuwait



H.E. Óscar Puente
Minister of Transport and Sustainable Mobility
Spain



H.E. Baek Wonkug
Vice Minister, Ministry of Land,
Infrastructure and Transport
South Korea



H.E. LEE Seong-hai
Chairman and CEO
Korea National Railway
South Korea

STRATEGIC CONFERENCE PROGRAMME

Held under the theme, ‘Setting Transport Infrastructure and Global Connectivity in Motion Global Rail 2024’ will unite policymakers, network operators, transport authorities, financiers, technology pioneers, developers and OEMs, to discuss actionable strategies for realising rail’s transformative potential for communities, climate, and economies.

The three-day Global Rail Strategic Conference will identify strategic pathways for unlocking value in the railway project lifecycle, through global and cross-sector collaboration supported by regulation and policy mechanisms designed to accelerate innovation, scale new technologies, advance digital transformation and unlock rail’s potential as an enabler of economic growth, supply chain resilience and decarbonisation.

grtieg.com/delegate

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Global Rail Strategic Conference Speakers



His Excellency Suhail Mohamed Al Mazrouei
Minister of Energy and Infrastructure
United Arab Emirates



H.E. Jaseem Mohamed AlBudaiwi
Secretary General
Cooperation Council for the Arab States of the Gulf



H.E. Hon. Fred Byamukama
State Minister of Transport
Uganda



H.E. Liburn Aliu
Minister of Environment, Spatial Planning and Infrastructure
Kosovo



H.E. Mothanna Gharaibeh
Minister of Investment
Jordan



Olli Pohjanvirta
CEO
Nurminen Logistics



Josu Imaz
CEO Rolling Stock and Member of the Executive Board
CAF



Howard Rosen
Chairman
Rail Working Group



Dr. Lin Peng
Director of National Engineering Research Center
CRRG



Ahmed AlMusawa AlHashemi
CEO
Hafeet Rail



H.E. Ngalle Bibehe Jean Ernest Massena
Minister of Transport
Cameroon



H.E. Óscar Puente
Minister of Transport and Sustainable Mobility
Spain



H.E. Lee Seong-hai
Chairman and CEO
Korea National Railway
South Korea



H.E. Faisal Al Bannai
Adviser to the UAE President for Strategic Research and Advanced Technology Affairs, and Secretary General of ATRC



H.E. Shadi Malak
Chief Executive Officer
Etihad Rail



Nasir Al Shamsi
Chief Transport Officer
BEEAH



Frank McCrerie
Chief Operations Officer
Abu Dhabi Airports



Mustafa Kaçar
CEO
Kalyon Holding



Stephane Timpano
CEO
ASPIRE



Armando Fombella
General Manager and Project Director
Renfe KSA



H.E. Abdullah Al Marzouqi
Director General
Integrated Transport Centre (DMT)



Hassan Al Mutawa
Director - Rail Operations
Roads and Transport Authority (RTA)



Raúl Blanco Díaz
Chairman and CEO
Renfe-Operadora



Giuseppe Marino
Group CEO
Hitachi Rail



Pierre Verzat
CEO
SYSTRA



Dr. Fan Zhu
Chief Technology Officer
Bayanat



Sergio Vázquez Torrón
Chairman and CEO
Ineco



Thomas Pramotedham
CEO
Presight



Jerome Frost
Chair
Arup



Rahul Mithal
Chairman and Managing Director
RITES



Andrew Deleone
President
Alstom Africa, Middle East, and Central Asia (AMECA) Region



Abdulla Bin Damithan
CEO & Managing Director
DP World GCC



Capt. Abdulkareem Al Masabi
CEO
ADNOC L&S



Adel Saleh Mohammed Al Jaber
Acting CEO
ADNOC Sour Gas



Omar Al Mahrizi
CEO
Asyad Ports



Jack Zhang
Executive Vice President
Locomotive
Progress Rail



Guillermo Cabelo Fernandez
Chief Institutional Relations Officer & Global Head of Commercial Affairs
Técnicas Reunidas SA



Mohammad Jaber
Managing Director, DSV Air & Sea Abu Dhabi & COO, DSV Solutions, Abu Dhabi



Abbas Husain
Global Head, Infrastructure & Development Finance Group
Standard Chartered Bank



Carlo Palasciano Villamagna
Executive Chairman
Mercitalia Logistics



Jeffrey Sim Vee Ming
Group CEO, Non Independent
Executive Director
SBS Transit



Muhsin Alrustom
Group Chief Financial Officer
Asyad



Saif Al Qubaisi
Senior Vice President
UAE Industries
Mubadala



Michael Peter
CEO
Siemens Mobility



Qusai Kankazar
Deputy Managing Director of Noatum Logistics Middle East
AD Ports Group



Ekaterina Kozyreva
President, IEC International
Co-Founder, InfraEconomy Group



Javier Pérez Fortea
CEO
Globalvia



Jean-Bruno Delrue
CEO
MESEA, a subsidiary of VINCI Railways and SYSTRA



Andrea Giurcin
CEO
TRA Consulting



Andrés de León
CEO
HyperloopTT

Global Rail Strategic Conference Speakers



Ronnie Ntuli
Chairman
Thelo Group



Sacha Parneix
Vice-President Commercial
Alstom AMECA




Martin Ausserdorfer
CEO, Railtrraction Company (Italy)
Member of the Board, Brenner Base Tunnel



Faisal Ameer Malik
Chief Technology Officer
Huawei ME & CA



Vijay Bains
Chief Sustainability Officer and Group Head ESG
Emirates NBD, Dubai



Maria Marques
Global Deputy Director Transport
Egis




Matthew Botelle
VP PMC & Rail Practice Lead, Europe, Middle East & Africa (EMEA)
Parsons




Tamer Shafik
Vice President Business Development
Orascom Construction



Michael Sutherland
Global Director Urban Solutions
Hatch



Juliet Mian
Director, Climate Services and Sustainability
Arup




Saurabh Kumar
Executive Director Project Finance
Standard Chartered Bank



Daniel Wright
Group COO
Gulfair



Ahmed Al Katheeri
Senior Vice President Supply Chain Management
Borouge



Alaa AbuSiam
CEO
Middle East & South Asia
Egis



Ayman Ashour
CEO
Siemens Mobility Turnkey MEA and Siemens Mobility UAE



Dirk Slodzinski
Director of Mobility Consulting
DB Engineering & Consulting GmbH (DB E&C)



Lee Yam Lim
Head of Downtown Line (DTL)
SBS Transit



Frank Beckers
Senior Financial Advisor
Hafeet Rail



Sunil Prasad
Head - Aerospace and Rail
L & T Technology Services



Graeme Overall
Chief Strategy & Commercial Officer
Etihad Rail



Amadou Diallo
CEO
DHL Global Forwarding Middle East & Africa



Nicolas Petrovic
CEO
Etihad Rail Mobility



Gunther Ferk
CEO
Etihad Rail Freight



Ali Tabbal
Chief Financial Officer
Etihad Rail



Dr. Eric Pairet Artau
Head of Research & Development
Etihad Rail



Dr. Christian Gasparic
Partner, Dubai, UAE
Kearney, Worldwide Lead for the Kearney Center of Advanced Mobility



Helmut Scholze
Senior Partner, MEA Mobility and Infrastructure Lead, Dubai, UAE
Kearney



Ian Horseman Sewell
Chief Commercial Officer
CPCS




TC Chew
Global Rail Business Leader
Arup



Dr. Zhu Shenggao
Vice President of AI
Huawei Cloud Middle East & Central Asia



Adam Harris
Co-Head, Business Group
UK Export Finance (UKEF)



Joanna Mobed
Co-Head of Global Origination
UK Export Finance (UKEF)



Dr. Hazem Mubarak
CEO
Yas Projects



Jens Oliver Schünzel
Head of Land-based Transportation
KfW IPEX-Bank GmbH



Keith Lawson
Senior Vice President and General Manager Asia Pacific, Middle East & Europe
Jacobs



Dominik Fürste
CEO
Rail-Flow GmbH



Paul Taylor
Partner, Regional Head of Arbitration
Al Tamimi & Company



Dr. Séverine Maréchal
Director
SYSTRA



Christoph Kaupat
Project Manager
European Union Agency for Railways



Elliott Sawford
Partner - Energy and Infrastructure Projects
Allen & Overy Shearman



Russell Jackson
EVP Global Transit
AECOM



Dillon Twombly
Chief Revenue Officer
Via Transportation Inc




Amer Kakish
CEO
Ittihad International Investment



Dr. Naser Al Bustami
CEO
Stevin Rock LLC



Prof. Paul Plummer
Director, Birmingham Centre for Rail Research and Education (BORRE), Lead for UK Rail Research Network (UKRRIN)



Khaled Al Sakran
CEO and Founder
SHIP247



Stephen Knight
Partner and Co-Head Middle East Banking and Finance Practice
Dentons



Paolo Guglielminetti
Partner, Global Railways and Roads Leader
PwC Italia




Simon Kirby
Director, Advisory
PwC



Ramzi Imam
Partner, Technology and Consulting in Digital Mobility
PwC Middle East


Global Rail Strategic Conference Speakers



Adhraa Almansoori
Director Public Policy & Sustainability
Etihad Rail



Dr. Daniel Haag
Director
PwC Strategy& (Germany) GmbH




Salim A. Essaid
Business Editor
The National




Dominik Baumeister
Partner, Transport and Logistics Global and Middle East Lead
PwC Middle East



Leonardo Rodrigues
Acting Managing Director, Head of Revenue Management & Network Planning
Etihad Cargo




Tammy Samuel
Partner and Co-Head of Rail and Road
Stephenson Harwood



Andrew Ward
Director, Transport & Logistics (Aviation)
PwC Middle East



Ekaterina Sheremet
Associate Partner
McKinsey and Company



Vadim Pokotilo
Partner
McKinsey & Company

Strategic Conference Programme

TUESDAY
8 October
DAY 1

10:00

Opening Ceremony

10:05 - 10:10

Opening remarks



His Excellency Suhail Mohamed Al Mazrouei
Minister of Energy and Infrastructure
United Arab Emirates

10:10 - 10:15

Keynote



H.E. Jasem Mohamed AlBudaiwi
Secretary General
Cooperation Council for the Arab States of the Gulf

10:15 - 10:20

Keynote



H.E. Óscar Puente
Minister of Transport and Sustainable Mobility
Spain

10:20 - 10:25

Keynote



H.E. Lee Seong-hai
Chairman and CEO
Korea National Railway
South Korea

10:25 – 10:30

Global Rail Sponsors’ Award

10:30 – 10:40

Agreement Signing Ceremony

10:40 – 11:15

Exhibition Tour

RAIL OPERATORS
11:15 – 11:45

PANEL: What is the next stage in automation?



H.E. Lee Seong-hai
Chairman and CEO
Korea National Railways



Raúl Blanco Díaz
Chairman and CEO
Renfe-Operadora



H.E. Abdullah Al Marzouqi
Director General
Integrated Transport
Centre (DMT)



Adhraa Almansoori
Director Public Policy &
Sustainability
Etihad Rail
Moderator

ROLLING STOCK
11:45 – 12:15

PANEL: High speed rail, why is it not faster?



Michael Peter
CEO
Siemens Mobility



Andrew Deleone
President
Alstom Africa, Middle
East, and Central Asia
(AMECA) Region



Giuseppe Marino
Group CEO
Hitachi Rail



Josu Imaz
CEO Rolling Stock and
Member of the Executive
Board
CAF



Dr. Lin Peng
Director of National
Engineering Research Center
CRRC



Nicolas Petrovic
CEO
Etihad Rail Mobility
Moderator

CONSULTING
12:15 – 12:45

PANEL: Are we still getting value from multi-disciplinary consulting?



Sergio Vázquez Torrón
CEO and Chairman
Ineco



Rahul Mithal
Chairman and
Managing Director
RITES



Pierre Verzat
CEO
SYSTRA



Jerome Frost
Chair
Arup



Sebastien Mangeant
Chief Operating Officer
Abu Dhabi Transport
Moderator

FINANCE & GOVERNANCE
12:45 – 13:15

PANEL: Beyond risk and return: unlocking capital for rail infrastructure development with ESG metrics



Joanna Mobed
Co-Head of Global Origination
UK Export Finance (UKEF)



Vijay Bains
Chief Sustainability Officer
and Group Head ESG
Emirates NBD



Javier Pérez Fortea
CEO
Globalvia



Ekaterina Kozyreva
President, IEC International
Co-Founder, InfraEconomy
Group



Dr. Daniel Haag
Director
PwC Strategy & (Germany) GmbH
Moderator

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13:15 – 15:00

Networking lunch

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PORTS
15:00 – 15:30

PANEL: Synergies capitalised by multimodal operations in the Middle East and beyond



H.E. Shadi Malak
CEO
Etihad Rail



Abdulla Bin Damithan
CEO and
Managing Director
DP World GCC



Capt. Abdulkareem Al Masabi
CEO
ADNOC L&S



Omar Al Mahrizi
CEO
Asyad Ports



Helmut Scholze
Senior Partner, MEA Mobility and
Infrastructure Lead, Dubai, UAE
Kearney
Moderator

**PROJECT
FINANCING**
15:30 – 16:00

PANEL: Unlocking railway financing: closing the funding gap in Low and Lower - Middle Income Countries



Ronnie Ntuli
CEO
Thelo Group



Jens Oliver Schünzel
Head of Land-based
Transportation
KfW IPEX-Bank GmbH



Abbas Husain
Global Head, Infrastructure &
Development Finance Group
Standard Chartered Bank



Adam Harris
Co-Head
Business Group
UK Export Finance
(UKEF)



Simon Kirby
Director, Advisory
PwC
Moderator

16:00 – 16:15

Coffee Break

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TRANS**

CONSTRUCTION
16:15 – 16:45

PANEL: Why is delivering on-time and on-budget so difficult?



Guillermo Cobelo Fernandez
Chief Institutional Relations
Officer & Global Head of
Commercial Affairs
Técnicas Reunidas SA



Tolga AKKAŞ
CEO
Doğuş Construction



T Kumaresan
Executive Vice President & Head
Minerals & Metals
Larsen & Toubro Construction



Eng. Mohamad Mahmoud
CEO
Trojan Construction
Group



Mustafa Koçar
CEO
Kalyon Holding



Tamer Shafik
Vice President
Business Development
Orascom Construction



Dr. Hazem Mubarak
CEO
Yas Projects
Moderator

**CONSULTING/
PLANNING**
16:45 – 17:15

PANEL: Increasing the bankability of railways through transit -oriented development and strategic land-use planning



Andrea Giurcin
CEO
TRA Consulting



Matthew Botelle
VP PMC & Rail Practice
Lead, Europe, Middle East
& Africa (EMEA)
Parsons



Matthias Plavec
Railway Specialist
World Bank Global Transport Unit



Michael Sutherland
Global Director
Urban Solutions
Hatch



Vadim Pokotilo
Partner
McKinsey & Company
Moderator

17:15

Close of Strategic Conference - Day 1

Strategic Conference Programme

WEDNESDAY
9 October
DAY 2

10:10 - 10:15

Global Rail welcome note



H.E. Shadi Malak
Chief Executive Officer
Etihad Rail

MINISTERIAL
10:15 - 10:45

PANEL: The role of railways in driving economic development



H.E. Mothanna Gharaibeh
Minister of Investment
Jordan



H.E. Hon. Fred Byamukama
State Minister of Transport
Uganda



Salim A. Essaid
Business Editor
The National
Moderator



H.E. Liburn Aliu
Minister of Environment,
Spatial Planning and
Infrastructure
Kosovo



**H.E. Ngalle Bibehe Jean
Ernest Massena**
Minister of Transport
Cameroon

POLICY
10:45 - 11:20

PANEL: From road to rail: policy and governance mechanism to drive modal shift and advance decarbonisation agendas



Carlo Palasciano Villamagna
Executive Chairman
Mercitalia Logistics



Sacha Parneix
Vice President Commercial
Alstom AMECA



Dr. Christian Gasparic
Partner, Dubai, UAE
Kearney, Worldwide Lead
for the Kearney Center of
Advanced Mobility
Moderator



Howard Rosen
Chairman
Rail Working Group



Keith Lawson
Senior Vice President and
General Manager Asia Pacific,
Middle East & Europe
Jacobs

INTEGRATED
TRANSPORT
11:20 - 11:45

PANEL: Exploring the role of aviation in an integrated transport ecosystem



Frank McCrorie
Chief Operations Officer
Abu Dhabi Airports



Leonardo Rodrigues
Acting Managing Director
Head of Revenue Management
& Network Planning
Etihad Cargo



Andrew Ward
Director, Transport & Logistics
(Aviation)
PwC Middle East
Moderator

11:45 - 12:00

Coffee Break

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MULTIMODAL
12:00 - 12:40

PANEL: Multimodal transportation: compete or cooperate with trucking and maritime?



Daniel Wright
Chief Operating Officer
Gultainer



Amadou Diallo
CEO
DHL Global Forwarding
Middle East & Africa



Mohammad Jaber
Managing Director DSV Air &
Sea Abu Dhabi
COO, DSV Solutions, Abu Dhabi



Olli Pohjanvirta
CEO
Nurminen Logistics



Khaled Al Sakran
CEO and Founder
SHIP247



Qusai Kankazar
Deputy Managing Director,
Noatum Logistics Middle
East, Noatum Logistics
AD Ports Group



Salim A. Essaid
Business Editor
The National
Moderator

SUSTAINABILITY
12:40 - 13:10

PANEL: Balancing operational costs with sustainability goals on the path to greener networks



Armando Fombella
General Manager and
Project Director
Renfe KSA



Alaa AbuSiam
CEO, Middle East &
South Asia
Egis



Ayman Ashour
CEO
Siemens Mobility Turnkey MEA
and Siemens Mobility UAE



TC Chew
Global Rail Business Leader
Arup
Moderator

ENGINEERING
13:10 – 13:35

PANEL: From Vision to reality: enhancing infrastructure resilience



Maria Marques
Global Deputy Director, Transport
Egis



Russell Jackson
EVP Global Transit
AECOM



Ian Horseman Sewell
Chief Commercial Officer
CPCS



Graeme Overall
Chief Strategy &
Commercial Officer
Etihad Rail
Moderator

13:35 – 14:35

Networking lunch

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INNOVATION & AI
14:35 – 14:55

FIRESIDE PANEL: The role of innovation and AI in future transport networks



H.E. Faisal Al Bannai
Adviser to the UAE President
for Strategic Research and
Advanced Technology Affairs,
and Secretary General of
ATRC



Mina Al Oraibi
Editor-in-chief
The National
Moderator

CUSTOMERS
14:55 – 15:25

PANEL: Challenges and benefits, for transitioning to rail



Gunther Ferk
CEO
Etihad Rail Freight



**Adel Saleh Mohammed
Al Jaber**
Acting CEO
ADNOC Sour Gas



Dr. Naser Al Bustami,
CEO
Stevin Rock LLC



Ahmed Al Katheeri
SVP, Supply Chain Management
Borouge



Amer Kakish
CEO
Ittihad International
Investment



Hassan Al Mutawa
Director - Rail Operations
Roads and Transport Authority
(RTA)



Salim A. Essaid
Business Editor
The National
Moderator

15:25 – 15:35

Customer Sustainability Award

15:35 – 15:50

Coffee Break

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INTEROPERABILITY
15:50 – 16:20

PANEL: Unlocking modal shift through cross-border interoperability and network harmonisation



Dominik Fürste
CEO
Rail-Flow GmbH



Martin Ausserdorfer
CEO
Railtraction Company (Italy)
Member of the Board
Brenner Base Tunnel



Christoph Kaupat
Project Officer
European Union Agency for
Railways



Dirk Slodzinski
Director of Mobility
Consulting
DB Engineering &
Consulting GmbH (DB E&C)



Paolo Guglielminetti
Partner, Global Railways and
Roads Leader
PwC

FIRESIDE CHAT & AI
16:20 – 16:35

FIRESIDE CHAT: Hydrogen & battery fleets, future or soon to be extinct?



Jack Zhang
Executive Vice President
Locomotive
Progress Rail



**Ahmed Al Musawa
Al Hashemi**
CEO
Hafeet Rail
Moderator

LEGAL
16:35 – 17:05

PANEL: External legal support: enabler or hindrance in Transport Infrastructure Implementation



Stephen Knight
Partner and Co-Head of the
Middle East Banking and
Finance Practice
Dentons



Elliott Sawford
Partner - Energy and
Infrastructure Projects
Allen & Overy Shearman



Paul Taylor
Partner
Regional Head of Arbitration
Al Tamimi Company



Tammy Samuel
Partner and Co- head of
Rail and Road
Stephenson Harwood



Iryna Telychko
General Legal Counsel
Etihad Rail
Moderator

Strategic Conference Programme

THURSDAY
10 October
DAY 3

INNOVATION & AI
10:00 – 10:20

PANEL: What is the true value of AI within transport?



Dr. Fan Zhu
Chief Technology Officer
Bayanat



Martin Yates
Government Technology
Advisor
Presight



Prof. Paul Plummer
Professor in Rail Strategy
University of Birmingham
Moderator

FINANCING
SCHEME
10:20 – 10:50

PANEL: Financing a major infrastructure project



Ali Tabbal
Chief Financial Officer
Etihad Rail



Saif Al Qubaisi
Senior Vice President
UAE Industries
Mubadala



Muhsin Alrustom
Group CFO
Asyad



Saurabh Kumar
Executive Director
Project Finance
Standard Chartered Bank



Frank Beckers
Senior Financial Advisor
Hafeet Rail
Moderator

10:50 – 11:05

Coffee Break

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MAGLEV
11:05 – 11:30

PANEL: Maglev: 1970's fad, or tomorrow's railway?



Ding Sansan
Deputy Chief Engineer, **CRRC QINGDAO SIFANG Co., Ltd.**,
Director, **China National Key Laboratory of High-speed
Maglev Transportation Technology**

MOBILITY
11:30 – 12:00

PANEL: Safe, secure and affordable: driving public transport modal share through digitalisation and connected mobility



Stephane Timpano
CEO
ASPIRE



Jeffrey Sim Vee Ming
Group Chief Executive
Officer, Non Independent
Executive Director
SBS Transit



Dillon Twombly
Chief Revenue Officer
Via Transportation Inc



Andrés de León
CEO
HyperloopTT



Sebastien Mangeant
Chief Operating Officer
Abu Dhabi Transport Company
Moderator

INNOVATION & AI
12:00 – 12:15

FIRESIDE CHAT: Applications of AI and generative AI to transport ecosystems



Dr. Zhu Shenggao
Vice President of AI
Huawei Cloud Middle East
& Central Asia



Ekaterina Sheremet
Associate Partner
Mckinsey and Company
Moderator

INTEGRATED
TRANSPORT
12:15 – 12:45

PANEL: Digitalisation: An Enabler Towards seamless end-to-end transport



Nasir Al Shamsi
Chief Transport Officer
BEEAH



Faisal Ameer Malik
Chief Technology Officer
Huawei ME & CA



Nicolas Petrovic
CEO
Etihad Rail Mobility



Ramzi Imam
Partner, Technology and
Consulting in Digital Mobility
PwC Middle East
Moderator

RESILIENT RAIL
12:45 – 13:15

PANEL: Resilient rail: a whole ecosystem approach to future proofing rail infrastructure



Jean- Bruno Delrue
CEO
MESEA (a subsidiary of
VINCI Railways and SYSTRA)



Lee Yam Lim
Head of Downtown Line
(DTL)
SBS Transit



Juliet Mian
Director, Climate Services
and Sustainability
Arup



Adhrra Almansoori
Director Public Policy &
Sustainability
Etihad Rail
Moderator

TECHNOLOGY
13:15 – 13:45

PANEL: Opportunities and challenges in scaling innovation in the rail and transport sector



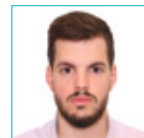
Sunil Prasad
Head - Aerospace and Rail
L & T Technology Services



Dr Séverine Maréchal
Director
SYSTRA



Prof. Paul Plummer
Director, Birmingham Centre
for Rail Research and Education
(BCRRE), Lead for UK Rail
Research Network (UKRRIN)



Dr. Eric Pairet Artau
Head of Research &
Development
Etihad Rail
Moderator

13:45 – 14:45

Lunch & Close of Global Rail 2024
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Global Rail Technical Conference

The Global Rail Technical Conference will address cutting edge R&D from technology pioneers, research institutes, consortiums, industry and academia, with the potential to disrupt rail operations, maintenance, passenger experience, and project delivery, and unlock value for multiple stakeholders across the rail, transport and mobility value chains.

8+
Technical Categories

45+
Global Speakers

15+
Focus Sessions

Technical Conference Categories



Innovation in Construction and Infrastructure

Sustainable solutions for driving down project costs, reducing project timelines and increasing stakeholder collaboration, and cutting-edge innovations in rail track design and engineering, station design, tunneling and overhead lines, to advance electrification, reduce infrastructure costs, and increase network capacity.

High-Speed Rail

The latest innovations in high-speed rail engineering, planning and design.



Digital Rail

Harnessing the potential of 4IR technologies such as AI, IIoT and blockchain for operational efficiencies, predictive maintenance, Intermodal and Multimodal Connectivity and transparency across rail and transport value chains.

Passenger Experience

Passenger-centric solutions such as smart ticketing, 5G, MaaS and integrated mobility platforms to increase ridership across rail networks and the seamless integration of passenger rail with mobility ecosystems.



Supply Chain Resiliency

Technologies to increase supply chain transparency amongst intermodal operators to future proof supply chains globally.



Rolling Stock Innovation

Innovations to improve the sustainability, safety, life cycle and cost of rolling stock including, hydrogen fuel cell and battery powered locomotives.



Safety and Security

Next generation solutions supported by AI, edge computing, IIoT and cloud applications for the secure operation of rail infrastructure and the real-time monitoring of passenger and employee safety.



Urban Planning and Smart City Development

Novel methods for integrating rail networks into smart city and sustainable urban environments.



TECHNICAL CONFERENCE PROGRAMME

The Global Rail Technical Conference will showcase cutting edge R&D from technology pioneers, research institutes, consortiums, industry and academia, with the potential to disrupt rail operations, maintenance, passenger experience, and project delivery, and unlock value for multiple stakeholders across the rail, transport and mobility value chains.

Global Rail 2024 will unite policymakers, network operators, transport authorities, financiers, technology pioneers, developers and OEMs, to discuss actionable strategies for realising rail’s transformative potential for communities, climate, and economies.

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Global Rail Technical Conference

TUESDAY 08 OCTOBER 2024



CATEGORY: DIGITAL RAIL

SESSION: 1

TITLE: AI, PREDICTIVE MAINTENANCE AND DIGITAL RAIL



CATEGORY: HIGH-SPEED RAIL

SESSION: 2

TITLE: HIGH-SPEED RAIL INNOVATION AND PROJECT CASE STUDIES

PRESENTATION TITLES AND SPEAKERS

14:00 – 14:20	The future of autonomous railways, ports, and industrial facilities Harj Dhaliwal, Chief Business & Capital Programmes Officer, Nevomo	15:40 – 16:00	Velaro Novo – the innovative Siemens’ high – speed train Meera Abu Soufah, Head of Sales and Business Development, Siemens Mobility UAE
14:20 –14:40	Leveraging hybrid AI models: enhancing predictive maintenance through generative and explainable approaches Mohamed Habib Mazouni, AI and Innovation Development Director, Alstom	16:00 – 16:20	Rail Baltica traffic management system Sandro Benetti, Director, SYSTRA
14:40 – 15:00	Revolutionising rail maintenance: AI-Powered solutions by INECO Alberto Milanés, Director of Consultancy, Enviroment and IT, INECO	16:20 – 16:40	Impacts on spatial planning of high speed rail Marc Guigon, Consultant, MG Consult
15:00 – 15:20	Strategic Proposal for Data-Driven Advancements in the Railway Industry Victor Maritnez, Head of Rail Digital Solutions, SKF Railway	16:40 – 17:00	Eurotunnel project Daria Collard, Projects Technical Coordinator, SYSTRA
15:20 – 15:40	Enhancing Rail Infrastructure with Kodify Limited: Leveraging Digital Twins and Advanced Sensing Technologies for Real-Time, Actionable Insight Muhammad Anwel, CTO, Kodify Limited		

Global Rail Technical Conference

TUESDAY 08 OCTOBER 2024



CATEGORY: URBAN PLANNING AND SMART CITY DEVELOPMENT

SESSION: 3

TITLE: TRANSIT-ORIENTED DEVELOPMENT (TOD)

PRESENTATION TITLES AND SPEAKERS			
17:00 – 17:20	The impact and future of high-speed rail globally Michele Gesualdi, Project Manager & Advisor, High-Speed Rail, Passenger Department Intercity & High-Speed Committee, International Union of Railways (UIC)		17:20 – 17:40
	Multimodal transit – integration for smart sustainable developments Gaurish Wagle, Manager, Sustainable Masterplanning, Masdar City		



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Global Rail Technical Conference

WEDNESDAY 09 OCTOBER 2024



CATEGORY: INNOVATION
IN CONSTRUCTION AND
INFRASTRUCTURE

SESSION: 4

TITLE: INFRASTRUCTURE RESILIENCE
AND MONITORING OF CRITICAL
INFRASTRUCTURE



CATEGORY: DIGITAL RAIL


SESSION: 5

TITLE: APPLICATIONS OF AI, BIG
DATA AND MACHINE LEARNING FOR
RAILWAYS

PRESENTATION TITLES AND SPEAKERS					
10:00 – 10:20	Is rail resilience planning worth the investment? TC Chew, Director, Arup Global Rail Business Leader, Arup		11:20 - 11:40	Smart maintenance of railway infrastructure using ML models supported by physics model-based response Prabakaran Balasubramanian, Senior Researcher, Technology Innovation Institute (TII)	
	10:20 – 10:40		Using quality indices for condition-based rail management Andreas Oberhauser, Senior Manager, Global Rail Group GRG GmbH	11:40 - 12:00	AI Application through the project lifecycle Petros Zouloulas, Head of Innovation EMEA, Parsons
	10:40 – 11:00		Unlocking the value potential of digital surface modelling for critical infrastructure Petros Zouzoulas, Head of Innovation, EMEA, Parsons	12:00 -12:20	Connected Rails: The Role of AI platforms for next generation Railways Martin Yates, Government Technology Advisor, Presight
	11:00 - 11:20		Data Driven Decision Making: Managing the Challenges of Tomorrow’s Railway Hartwig Lankow, Vice President – Customer Management Middle East & Eastern Africa, Voestalpine Railway Systems	12:20 - 12:40	AI-Driven Innovations in rail design: exploring how new technologies, can assist rail designers in delivering sustainable legacies Mohamed Emad, Associate – Architecture, AECOM
			12:40 - 13:00	Advances in the use of big data and predictive analysis in rail planning Stephen Rutherford, Vice President and Global Market Director, Transport Planning, Jacobs	

Global Rail Technical Conference


WEDNESDAY 09 OCTOBER 2024



CATEGORY: SUPPLY CHAIN RESILIENCY

SESSION: 6

TITLE: FUTURE -PROOFING SUPPLY CHAINS



CATEGORY: URBAN PLANNING AND SMART CITY DEVELOPMENT


SESSION: 7

TITLE: DIGITAL PLANNING AND SMART CITY DEVELOPMENT

PRESENTATION TITLES AND SPEAKERS			
14:00 - 14:20	DHL Logistics Trend Radar Klaus Dohrmann, Global Head of Innovation and Trend Research, DHL	14:40 - 15:00	Master planning in the digital age Michael Houen, Director, Hatch Pty Ltd
14:20 - 14:40	Value Engineering of major Freight projects - Melbourne to Brisbane Inland Rail (MBIR) Project Australia Case Study Nilesh Patil, Technical Principal - Rail, Surbana Jurong	15:00 - 15:20	Transforming urban mobility: connected Metrorail as a cyber-physical system in smart cities Alaa Mahjoub, Independent Digital Business Advisor
		15:20 - 15:40	Predicting ridership for a new rail Infrastructure with artificial intelligence Jostein Hauken, Head of Consulting, Asistobe
		15:40 - 16:00	Developing rail in future-proof cities Severine Marchal, Director, SYSTRA

Global Rail Technical Conference


WEDNESDAY 09 OCTOBER 2024



CATEGORY: SAFETY AND SECURITY

SESSION: 8

TITLE: SAFETY AND SECURITY – PASSENGER AND EMPLOYEE SAFETY



CATEGORY: PASSENGER EXPERIENCE

SESSION: 9


TITLE: PAYMENTS AND TICKETING

PRESENTATION TITLES AND SPEAKERS			
16:00 - 16:20	Hyderabad Metro's Safety Excellence: Advanced Security Measures and Proactive Strategies for Passenger Protection Murali Varadarajan, Chief Strategy Officer, L&T Metro Rail (Hyderabad) Ltd	17:00 - 17:20	OSDM: a powerful and open tool for the future of rail-based and multimodal mobility Michele Gesualdi Project Manager & Advisor, High-Speed Rail Passenger Department Intercity & High-Speed Committee, International Union of Railways (UIC)
16:20 - 16:40	Ensuring safety of railway projects - from design to operation Rene Bambor, Business Unit Manager Rail Services, TÜV SÜD	17:20 - 17:40	Transforming Urban Commutes: Hyderabad Metro's premier passenger experience and modern amenities Murali Varadarajan, Chief Strategy Officer, L&T Metro Rail (Hyderabad) Ltd
16:40 - 17:00	Enhancing Rail Industry HSE Performance through Employee Mental Health and Competency Amanda Aldred, Senior HSEW Director, Middle East, Jacobs Mark Carrington, HSE Director, Jacobs		

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Global Rail Technical Conference


THURSDAY 10 OCTOBER 2024



CATEGORY: INNOVATION
IN CONSTRUCTION AND
INFRASTRUCTURE

SESSION: 10

TITLE: NOVEL CONSTRUCTION
METHODS AND CIVIL ENGINEERING



CATEGORY: INNOVATION IN ROLLING
STOCK


SESSION: 11

TITLE: R&D UPDATES IN ROLLING
STOCK

PRESENTATION TITLES AND SPEAKERS			
10:00 – 10:20	Design and construction of a large - diameter metro tunnel in Eastern Canada Michael Dutton, Senior Tunneling Engineer, Arup	11:20 – 11:40	Optimisation of fleet operational cost by using the train event recorder data: current use cases and future outlook Diego Politano, CEO, Haslerrail
10:20 – 10:40	Integrated modern partnering for mega infrastructure projects Amar Shah, Director, Asia Corporate Training Ltd Philippe Degrange, Managing Partner and Facilitator, Asia Corporate Training Ltd	11:40 – 12:00	Siemens unveils Vectron Dual Mode-B: Leading the future of eco-friendly and sustainable rail transport Lars Loewenstein, Senior Vice President, Siemens Mobility GmbH Jens Lind, Head of Locomotive - International, Siemens Mobility GmbH
10:40 – 11:00	Recent innovations in rail manufacturing in India J S Kohli, Senior Manager, Steel Authority of India Limited (SAIL) Tijo Kuriakose, Assistant General Manager, Steel Authority of India Limited (SAIL)	12:00 – 12:20	Closing the loop with CALIPRI - Measuring, condition monitoring and demand planning Renate Grabler-Gussmagg, CEO, Hexagon NEXTSENSE
11:00 – 11:20	Innovations in India's first high-speed rail corridor Akshay Wahal, Track Expert, Larsen and Toubro	12:20 - 12:40	Ironlev magnetic levitation for standard rails Lorenzo Andrea Parrotta, Co-Founder and Board Member, IronLev
		12:40 - 13:00	AI and advanced control systems to power the FluxJet for 1000 km/h+ Transportation Ryan Janzen, Co-Founder, Transpod Inc.

Global Rail Technical Conference

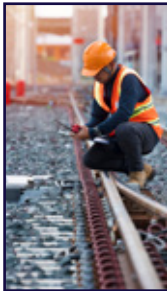
THURSDAY 10 OCTOBER 2024



CATEGORY: INNOVATION
IN CONSTRUCTION AND
INFRASTRUCTURE

SESSION: 12

TITLE: CLIMATE CHANGE RESILIENCE
AND ELECTRIFICATION



CATEGORY: SAFETY AND SECURITY

SESSION: 13

TITLE: CYBER SECURITY,
DIGITALISATION, AND
INTEROPERABILITY

PRESENTATION TITLES AND SPEAKERS			
13:40 – 14:00	Managing future climate conditions: A risk-based approach to climate change resilience for metro systems Kenneth Wiseman, Associate Director, Arup David Jewkes, Sustainability Consultant, Arup	14:40 – 15:00	Cohabitation of heavy-rail and light-rail trains: a successful safety story in Montreal Sylvain Laporte, Regional Director - Rail, Hatch - Infrastructures
14:00 – 14:20	Meeting the challenges of performance, resilience, and sustainability in rail infrastructures: how SYSTRA leverages digital continuity throughout the asset lifecycle Etienne Pansart, Head of Partnership and Academic Innovation, SYSTRA SA	15:00 – 15:20	Urgent architectural imperatives in the face of cyber threats Beat Stettler, CEO, Onway ag
14:20 – 14:40	India's first mainline electrification project using the Rigid Overhead Catenary System (ROCS) in Katra - Dharam section of USBRL Project Pritish Chandra Mohapatra, OCS Design Expert - Larsen & Toubro Limited, Larsen and Toubro	15:20 – 15:40	Clearance Innovation: unlocking revenue while ensuring safe operations Colin Johnson, Managing Director, DGauge TUV Rhienland

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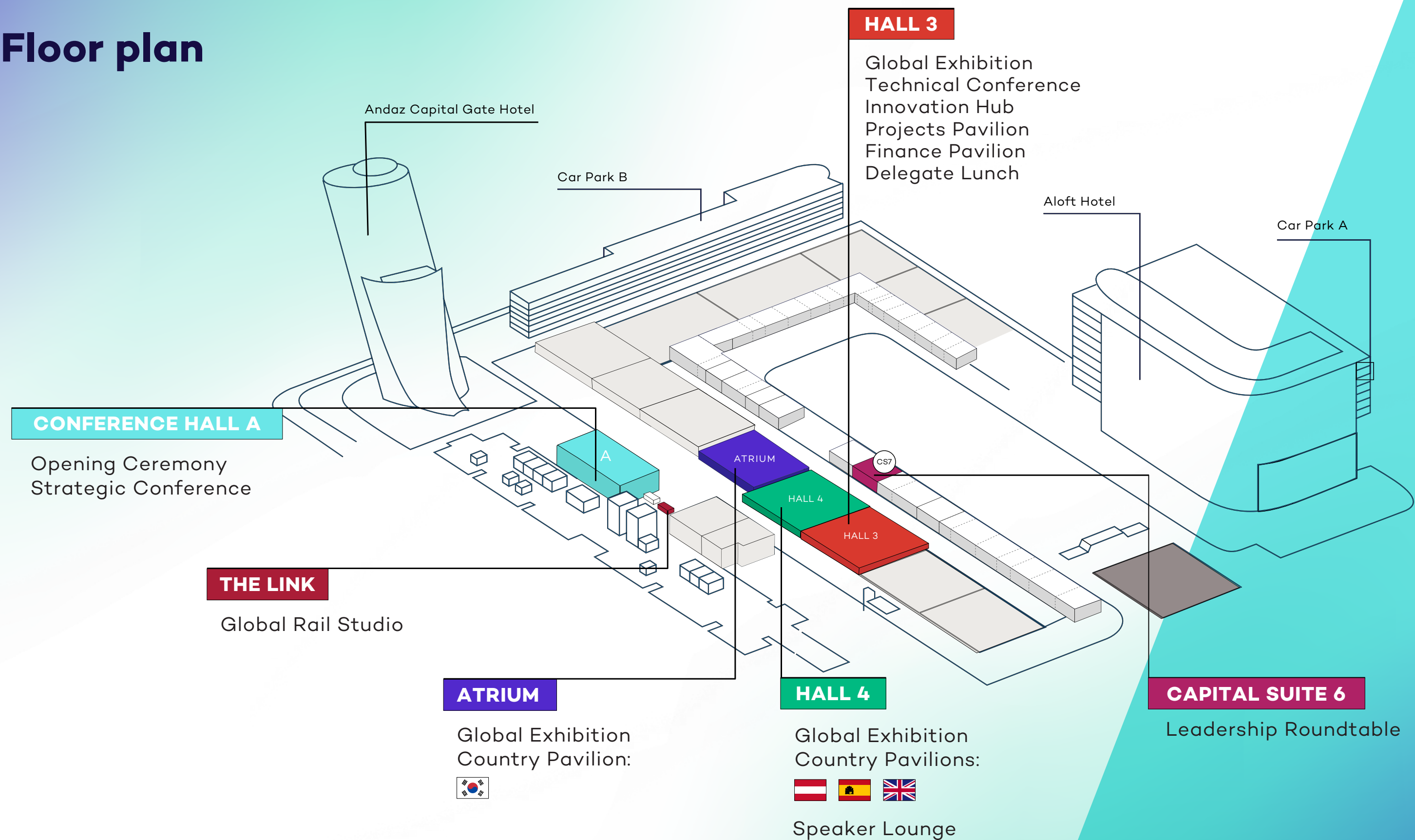
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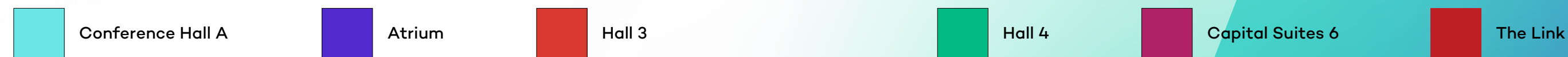
Raúl Blanco Díaz
Chairman & CEO
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