

RAILLIVE!

VIRTUAL

1ST – 2ND December 2020

Agenda overview

	1st December Keynotes		
AM	Integrated Mobility and Ticketing	Power and Sustainability	Mega Projects and Financing
PM	Light Rail and Urban Rail	Digital and IoT	Mega Projects and Stations
	2nd December Keynotes		
AM	Metro and Urban Rail	Telecomms & Cybersecurity	Intelligent Infra
PM	LATAM and Africa Forums	BIM & Digital Railway	
	Freight		

DAY 1 – 1 st December 2020 (All times are in CET)	
09:00	Keynote Welcome address: José Luis Ábalos , Minister, Transports, Mobility and Urban Agenda
09:10	Keynote: Ángel Garrido García , Regional Minister of Transports, Mobility and Infrastructures, Comunidad de Madrid & President, Metro de Madrid
09:15	Keynote Borja Carabante , Delegado del Área de Gobierno de Medio Ambiente y Movilidad, City of Madrid
09:20	Keynote: Host Partner's welcome: Victor Ruiz , President, MAFEX & Sean Willis , Managing Director, Terrapinn
09:30	Keynote: Spanish Rail Leaders Forum 1 on 1 interview Isaias Taboas Suarez , President and Chairman of the Board, RENFE Julio Gómez-Pomar , Chairman, IE Center for Transport Economics & Infrastructure Management
09:45	Keynote: 1 on 1 interview Isabel Pardo de Vera Posada , President, ADIF Julio Gómez-Pomar , Chairman, IE Center for Transport Economics & Infrastructure Management
10:00	Keynote: 1 on 1 interview Carmen Libroero , President, INECO Julio Gómez-Pomar , Chairman, IE Center for Transport Economics & Infrastructure Management

10:15	<p style="text-align: center;">Keynote interview: MTR's technology implementation in smart mobility</p> <ul style="list-style-type: none"> • How are we looking to improve passenger experience through investments in connectivity, smart stations, and smart depots? • What is the impact of MTR's R+P model as a basis for smart city development? • How can AI, IoT and other advanced tech impact our operations not just in rail but daily life <p style="text-align: center;">Alex Barron, Associate Director, Head of Metro and Light Rail Benchmarking, Transport Strategy Centre, Imperial College London Jacob Kam, CEO, MTR</p>
10:30	<p style="text-align: center;">Keynote presentation: Deutsche Bahn's new strategy: why a clear focus on capacity growth is key for sustainable mobility</p> <p style="text-align: center;">Frank Sennhenn, CEO, DB Netze</p>
10:45	<p>Keynote: Can transport operators diversify to mix agility and daring with the risk appetite of entrepreneurs to create the mobility of the future?</p> <ul style="list-style-type: none"> • What is the importance of digital platforms that push the boundaries and provoke a radical paradigm shift in the mobility business? • How can we partner with new transport modes, start-ups and the R&D value chain to increase their level of flexibility, while also launching new flexible on-demand services that are needed? • Can we conciliate a new business approach with social objectives while answering the expectations of travellers? • Can we develop tailor-made services while preserving mass public transport as the backbone of our countries? • What role can R&D have in the shaping of the future mobility schemes? <p>Moderator: Julio Gómez-Pomar, Chairman, IE Center for Transport Economics & Infrastructure Management Manel Villalante, Chief Strategy Officer, RENFE Elisabeth Werner, Director Land Transport, DG MOVE, European Commission Teresa Riesgo, Secretary General of Innovation, Ministerio de Ciencia e Innovación Andres de Leon, CEO, Hyperloop Transport Technology Jesús Esnaola, Commercial General Director, CAF</p>
11:30	<p style="text-align: center;">Choose 1x roundtable sessions (11:30-12:00)</p> <p style="text-align: center;">Focused, small groups of experts host open video calls that attendees can join to discuss a given topic in an interactive format</p>

11.30	<p>Virtual validation and homologation through HIL environments in traction systems</p> <p>Joseba Yarza, Manager of the Validation area and Laboratories, CAF</p>	<p>How to optimize design and total cost of ownership (TCO) of flexible metal hoses systems dedicated to Rolling stocks?</p> <p>Steve Spirlet, Senior Engineer Spirit Handling Technology, Angst + Pfister</p> <p>William Montgomery, Production Application Engineer, Angst +Pfister</p>	<p>Space and mobility optimization for a greater rail passenger experience</p> <p>Francisco Blazquez, Mobility Expert, Typsa Patricia Garcia, Senior Architect, Typsa Aitor Ezquerro, Typsa</p>	<p>Next Generation Rail Technologies</p>
12.00	<p>Railway Safety Improvement with RailAcoustic Track Condition Monitoring</p> <p>Mr. Haluk gokmen, CTO, RAILACOUSTIC ENKOM Miss. Pelin Boyaciogl, Ricardo rail UK Mr. Peter Mason UK Rail Consultant, Railacoustic</p>	<p>Digital railway construction management – can it deliver on its promise?</p> <p>Adi Weinberger, VP of Sales Datumate Tal Meirzon, CEO of Datumate Dr. Corinna Sinzig , DB mind box</p>		<p>Activating inclusive growth in railway SMEs by workplace innovation 12.00 - 12.45</p> <p>Hosted by Mafex</p>
12:30	End of roundtables			
12:30	INTEGRATED MOBILITY	POWER & SUSTAINABILITY	MEGA PROJECTS & STATIONS	

	<p>The data-fuelled future of multi-modal transport networks: how is data shaping the future of smart mobility services?</p> <p>Moderated by Chris Perry</p> <p>Lluis Alegre, Mobility Director, ATM Barcelona Mathew Yarger, Head of Mobility and Automotive Market Department, IOTA Foundation Robert Jan Ter Kuile, Director Strategy, GVB Karolina Korth, Chief Digitization Officer and Head of Strategy for South-West Europe, Siemens</p>	<p>European Green Deal: challenges for European railways</p> <p>Santos Núñez Del Campo, Head of Energy & Sustainability, Renfe Operadora</p>	<p>EIB: Financing the rail sector by the EU Climate Bank</p> <p>Donald Mishaxhiu, Associate Director, Senior Banker Infrastructure Europe, European Bank for Reconstruction and Development</p>
		<p>Introducing enhanced customer reassurance on decarbonisation and ESG on the entire steel supply chain</p> <p>Alan Knight, Head of corporate responsibility and sustainable development, ArcelorMittal</p>	<p>How can we fund the future of Albanian Railways and transport infrastructure in Albania?</p> <p>Eni Elezi, Director of International Affairs, Albanian Railways S.A.</p>
13:00	<p>Renfe as a Service: MaaS in Spain</p> <p>Manel Villalante, General Director Strategy & Development, Renfe</p>	<p>Shaping the future of rail and transport with sustainability in front of mind</p> <ul style="list-style-type: none"> • The role of sustainability in future projects • Improving sustainability standards to support a climate friendly 	<p>Panel: What steps need to be taken on an international level to ensure that rail continues to boom globally?</p> <ul style="list-style-type: none"> • How to finance hydrogen and energy solutions? • How did the rail portfolios react compared to airlines?
13:15	<p>MaaS in Andorra – Digitalization of Mobility across the country</p> <p>Xavier Forne Obiols, Director of Fedas Solutions</p>	<p>Moderator: Stuart Hillmansen, Senior Lecturer, University of Birmingham Andy Billington, Innovations and Sustainability Specialist, Rail Baltica Alex Burrows, Managing Director, RailAlliance</p>	<p>Moderator: Doris Chevalier, CEO, Infraboost Donald Mishaxhiu, Associate Director, Senior Banker Infrastructure Europe, European Bank for Reconstruction and Development</p>

	<p>Max Kaiser, international Sales Manager for Intermodal Solutions, Siemens Mobility</p>	<p>Ollie Pendered, Chief Executive, Riding Sunbeams, South Community Energy</p>	<p>Marcial Bustinduy, Transport Specialist, European Investment Bank Martha Lawrence, Leader, Railways Community of Practice, World Bank Carsten Wiebers, Global Head Aviation, Mobility & Transport, KfW IPEX-Bank</p>
13:30	<p>Shaping the future of mobility with end to end mobility services</p> <p>Moderated by Steve Howes</p> <p>Giancarlo Scaramelli, Commercial Director, Transdev Isabella Grahsl, Head of Business Performance and Transformation, DB Connect Esther Bravo, Project Manager MaaS, Shift2Rail Henk Swarttouw, Vice-President, ECF Trond Hovland, Managing Director, ITS Norway, Nordic Mobility Innovation Platform Anna Paltauf, Head of Digital Mobility, ÖBB</p>	<p>DIGITAL AND IoT</p> <p>Developing the smart rail networks of the future: the role of technology including AI, IOT, blockchain and more</p> <p>Moderated by Enrique Fernandez, Independent consultant</p> <p>James Brown, Data & Performance Engineer, Angel Trains Sviatoslav Butskiy, Blockchain and DLT Solutions, Deutsche Bahn Nalinaksh Vyas, Head of Technical Mission, Indian Railways Stefanie Brickwede, Director, Additive Manufacturing, Deutsche Bahn Florian Kappler, Program Lead, Smart Rail 4.0, BLS Julie Shainock, Global Managing Director, Travel & Transportation Industry, Microsoft</p>	<p>Is high-speed rail relevant in a post-COVID world?</p> <p>Andrew McNaughton, Strategic Adviser, HS2</p>
14:00		<p>Connecting the Gigabit Trains of the future</p> <p>Moderated by Roland da Silva</p> <p>Jeremy Haskey, Chief Architect, Nomad Digital Jim Baker, CEO, Xentrans</p>	<p>Recovery and Resilience Facility & funding projects such as Rail Baltica</p> <p>Ignas Degutis, CFO, Rail Baltica</p>
			<p>PANEL The key to developing sustainable high-speed rail projects</p> <p>Moderator: Maria Peña, CEO, ICEX Tim Wood, Northern Powerhouse Rail Director, Transport for the North</p>

	<p>The future of mobility is autonomous: Discussing the role autonomous vehicles will play in transport networks of the future</p> <p>Moderated by Chris Perry</p>	<p>Sponsored by Radwin</p>	<p>Marco Wilfert, Head of Financial Engineering and Public Funding, DB Netz Kaspars Briskens, Head of Strategy & Development, Rail Baltica Pablo Ramos, Europe Account Director, Ineco</p>
14:30	<p>Endre Angelvik, VP Mobility Services, Ruter Magdalena Szymanska, Project Co-ordinator, City of Gdansk</p>	<p>The future of digital rolling stock maintenance</p> <p>Javier De La Cruz, Head of Rail Services Engineering and Manager, CAF</p>	<p>STATIONS</p> <p>How can you create a hyper-connected intermodal station of the future?</p> <p>Fernando Morales, Coordinador de Ingeniería Estratégica e Infraestructuras Críticas, Metro de Madrid</p>
14:45	<p>LIGHT RAIL</p> <p>OCS and Operating issues and continuous improvement</p> <p>Bruce Cheng An Lee, Commissioner, Department of Rapid Transit Systems New Taipei City Government</p>	<p>Smart Maintenance Panel: Developing and implementing predictive and condition-based maintenance applications in rail</p> <p>Richard Kujan, CIO, ZSSK Tobias Fischer, Head of Rolling Stock Technology, DB Gerald Schinagl, Head of Digital Innovation, OBB Sergio Barcena, Head of Operations and Maintenance, Ouigo Carlos Andrés Sierra, Contract Manager UK, Zitron Helmut Hohenbichler, Consultant, Boom Software</p>	
15:00			<p>SNCF's monumental station upgrades across France and how they are rolling the advanced thinking out across the world?</p> <p>Fabrice Morenon, CEO, SNCF Hubs et Connexions</p> <p>How can we revolutionise stations into world-class destinations of future transport?</p> <p>Moderator: Doris Chevalier, CEO, Infraboost Fabrice More non, CEO, SNCF Hubs et Connexions Fernando Morales, Coordinador de Ingeniería Estratégica e Infraestructuras Críticas, Metro de Madrid Juan Francisco Paz Pascual, Smart Stations Director, SENER</p>

15:15	<p>Swedish light rail: sustainability at the forefront of mobility challenges across Sweden</p> <p>Moderator: Hans Cruse, Director Sparvagnsstaderna, Swedish Light Rail Mimmi Mickelsen, Tram Security Expert, Trafikkontoret, Göteborgs Stad</p>		<p>Axel Sondermann, Executive Director Consulting, DB E&C</p>
15:30	<p>TBC Uppsala City Anette Granström, Project Manager, Uppsala Region</p>	<p>Developing innovative training programs with Virtual and Augmented Reality</p> <ul style="list-style-type: none"> • Implementing VR and AR as corner stones of our training process: sharing our new training processes • Understanding the impact on the success of training with different parts of the business • Changing minds: getting buy in to develop a new training methodology <p>Pascal Plank, Special Skills Manager and Data Scientist, OBB</p>	
15:45	<p>Long-term sustainability choices: how has the development of light rail had a net positive effect on the environment in Spain? EN CASTELLANO</p> <p>Moderator: Ángeles Tauler, Gerente de la Plataforma Tecnológica Ferroviaria, Fundación Ferrocarriles Españoles</p>	<p>Advanced TrainLab - a success story of pushing innovations</p> <p>Tobias Fischer, Technical Director, Teclab, Deutsche Bahn</p>	<p>Plan of deployment of electric car charging points in the railway stations</p> <p>Ignacio Sanz Junoy, Passenger Stations Directorate, Deputy Commercial Manager, ADIF</p>

	<p>Ana Moreno, General Manager, Tranvías de Zaragoza Andrés Muñoz De Dios, Managing Director, Metro de Tenerife Ignacio Mochón López, Gerente del Metropolitano de Granada</p>	<p>Open Innovation in the Rail Industry Garazi Carranza Ruiz de Loizaga, Head of Competitivity & Innovation, Mafex</p>	<p>Can we build a customer- centric door to door experience for travellers with the station at the heart of our strategy? Moderator: Jonathan Chatfield, Head of Policy (Freight & Stations), Rail Delivery Group Marise Bezema, Head of Mobility Services, NS Astrid Bunt, Director of Stations, ProRail</p>
16:15	<p>Universal accessibility in rail light</p> <ul style="list-style-type: none"> • How to make rail vehicles accessible to everyone, safer and more friendly for passengers with limited mobility? • Technological solutions that respond to the challenges of the 21st century mobility in a growing urbanization environment • Case studies and project experiences of Stadler <p>Mar Rivas, Business Development, Marketing and Communication, Stadler Rail</p>	<p>DIANA: Operator centric Platform, solutions, and diagnostics developed by Deutsche Bahn Simon Giovanazzi, CEO, infraView GmbH, part of Deutsche Bahn AG & CTO, DB International Operations GmbH</p>	
16:30	<p>Urban transport in Israel: The future of rail across the nation Moderator: Barak Kirchner, CEO, BLK & Company Zohar Zoller, CEO, Jerusalem Transportation Masterplan Team Itzik Oron, VP LRT, TransIsrael</p>	<p>The future of innovation in rail: embedding a failfast culture in the risk averse rail industry Moderator: Alex Burrows, MD, Birmingham Centre for Research and Education, University of Birmingham Garazi Carranza Ruiz de Loizaga, Head of Competitivity & Innovation, Mafex</p>	<p>Panel: What is the future of financial innovation in the rail industry?</p> <ul style="list-style-type: none"> • How can we attract private capital to rail investment? • Climate & bonds • Are there better ways to price green projects?

	<p>Ronen Cohen, Passenger Service and Public Transport Unit Manager, NTA Tel Aviv Itay Segev, VP of Products and Marketing, datumate</p>	<p>James Brown, Data & Performance Engineer, Angel Trains Julius Norkunas, CEO, Lithuanian Innovation Labs</p>	<p>Moderator: Doris Chevalier, CEO, Infraboost Philip Wilson, Deputy Director, Corporate Finance Advisory Team, Department for Transport Nico van Paridon, Vice President, Vervoerregio - Transport Authority of Amsterdam</p>
17:00	<p>Keynote: UK Government</p>		
17:15	<p>Keynote How can we design, build, operate and maintain world-class transport services to achieve global sustainability goals?</p> <ul style="list-style-type: none"> • As sustainability becomes an increasingly important differentiator for rail around the world how can we ensure that future projects meet global, national and local objectives? • Financing green infrastructure. • What steps do we need to take for rail to compete with air and road as the preferred mode of transport for passengers? • Which technologies will be the key to this transformation of our economies, cities and transport systems? <p>Moderator: Timothy Papandreou, Founder, Emerging Transport Advisors Matthew Vickerstaff, Deputy CEO, Infrastructure Project Authority UK Johnny Schute, COO, RSSB Libor Lochman, Executive Director, CER Philippe Citroen, Executive Director, UNIFE</p>		
18:15	<p>End of day</p>		

DAY 2 – 2 nd December 2020 (All times are in CET)	
08.55	<p>Keynote: How can the world’s urban transport organisations provide a cleaner, more connected, more punctual service for the mega cities of the future?</p> <ul style="list-style-type: none"> • Which of our projects are we able to use as benchmarks of high-quality, digital deployment with tangible benefits for operations and passenger experience? • How can metro and commuter rail leaders round the world embrace disruptive technologies and incorporate them into legacy systems? • How can we integrate regional commuter networks and metros to provide seamless mobility options across an entire metropolitan area? • What is the role of the station in this future of mobility? <p>Moderator: Pedro Fortea, Director General, MAFEX Ramon Bacardi, Metro Director, TMB Barcelona Henrik Ploughmann Olsen, CEO, Metroselskabet and Hovedstadens Letbane Silvia Roldan, CEO, Metro de Madrid Vinay Kumar Singh, MD, NCRTC Delhi Andy Lord, Managing Director, London Underground</p>
09.35	<p>Keynote: Are we able to create infrastructure that can act as the pivot for the digitally connected transport industry of the future?</p> <ul style="list-style-type: none"> • How can we develop rail infrastructure that is not only safe but also ready to make best use of the onslaught of technology across passenger and freight rail? • Where are the key focus areas to prepare urban and long-distance infrastructure for the liberalization of the global rail market? • Developing flexible, smart infrastructure that is able to incorporate new technology, applications and software. • How can we develop to seamlessly cooperate with other stakeholders within the transport sector and beyond? • The ever-changing mind-set of rail company management and the role of client-based performance thinking <p>Moderator: Carlo Borghini, Executive Director, Shift2Rail Mark Thurston, CEO, HS2 Josef Doppelbauer, Executive Director, European Railways Agency Lena Erixon, Director-General, Trafikverket S K Lohia, CEO, Indian Railways Station Development Corporation Maria Luisa Domínguez, General Director of Strategic Planning and Projects Management, ADIF Alain Quinet, COO, SNCF Reseau</p>
10.15	ROUND TABLES


	<p>How to achieve optimal design of high performance antivibration components with precise lifetime prediction and EN45545 compliance?</p> <p>Josep Xargayo, Senior Engineer Antivibration Technology, Angst + Pfister</p> <p>Antoine Bailly, Product Application Engineer, Angst + Pfister</p>	<p>Dr. Döller Vermessung ZT GmbH</p> <p>Fibre Optic Sensing (FOS) in Railways</p> <p>Thomas Elsigan, Dr. Doeller</p>	<p>The Smart “New Deal”: how tech would support operators challenges</p> <ul style="list-style-type: none"> • Impulse of digitization for a safer and more competitive rail transport • Technology as an essential lever for more efficient and sustainable new mobility • The role of IoT in improving the capacity of existing infrastructure • The digitization of the railway operation as the core of transformation and integration of the ecosystem <p>Juan March García: Rail, Urban & Interurban Transport Director Indra Jose Anguita Jiménez: Commercial Director Indra Jose Miguel Rubio Sánchez: Europe & MEA Rail Account Director Indra</p>
	<p>Bombardier</p>		


	METRO LEADERS	TELECOMS	INTELLIGENT INFRA
10:45	<p>Evaluating the success of Delhi’s rapid transit service and unpacking key challenges in the capitals urban rail system</p> <p>Alex Barron, Associate Director, Head of Metro and Light Rail Benchmarking, Transport Strategy Centre, Imperial College London</p> <p>Vinay Kumar Singh, Managing Director of NCRTC Delhi</p>	<p>What is the future of communications technology, signalling and network management technology?</p> <p>Moderated by: Frank Heibel, Founder, Doc Frank Rail Services</p> <p>Esmé Kalshoven, ERTMS Program Director, NS</p> <p>Alexey Ozerov, Head of International Department, NIIAS</p> <p>Juan Antonio Sánchez Corrales, Technical Directorate, Adif</p> <p>Martin Litzenberger, Thematic Coordinator for New Sensor Technologies, AIT</p> <p>Reserved for Fluidmesh</p>	<p>Towards advanced digital platforms predictive maintenance in rail. What will the future systems look like and what technology is needed?</p> <p>Moderator: Nicolas Furio, Head of Unit – Technical Affairs, UNIFE</p> <p>Tim Flower, Chief Intelligent Infrastructure Integration Engineer, Network Rail</p> <p>Carel Jonckheere, Smart Maintenance Project Director, Infrabel</p> <p>Ankala Saibaba, Chief Track Engineer, Indian Railways</p> <p>Simon Giovanazzi, DB E&C Next Generation Rail Technologies</p>
11:15	<p>Technology presentation: Turnouts for metros on tyres</p> <p>Juan Carlos Sanchez, Technical Director, JEZ Sistemas Ferroviarios</p>	<p>ATO over ETCS: an opportunity</p> <p>Jon Alzate, Director, On Board Signalling, CAF</p>	<p>Strategy 2040 at Infrabel</p> <p>Carel Jonckheere, Smart Maintenance Project Director, Infrabel</p>
11:30	<p>What is the future of urban rail in Copenhagen and what challenges can we anticipate?</p>	<p>Mastering the performances of signalling upgrades in Paris</p>	<p>Infrastructure Monitoring: pattern recognition inspection</p> <p>Martin Frobisher, Group Engineering Director, Network Rail</p>

	<p>Henrik Ploughmann Olsen, CEO, Metroselskabet and Hovedstadens Letbane</p>	<p>Sylvain Baro, Senior Design Engineer, NExTEO Project - System and ATC Manager, SNCF Reseau Yves Tanguy, Senior System Engineer, SNCF Reseau</p>	
	<p>CAF INNEO Metro family and GOA4</p> <p>Felipe Rodrigo Magal, Regional Director Commercial Division. CAF Jon Oiarzabal, Product Line Manager for Metro, CAF</p>	<p>Solutions for new broadband communications demands in Transport Market</p> <p>Sonia Miguel, Product Manager, Teltronic</p>	<p>Progressing towards Predictive Intelligent Maintenance</p> <p>Antonio Núñez, Head of Predictive Maintenance at the Technical Directorate, ADIF</p>
12:00	<p>Subway Service Visualization; New York City Transit's Train movements in real time.</p> <p>Alla Reddy, Deputy Chief, Data Research & Development, New York City Transit (MTA)</p>	<p>Rail IoT, the next Big Thing for the future of Railways</p> <p>Juan Antonio March García Rail, Urban & Interurban Transport Director at Indra</p>	<p>Digital Technologies enabling intelligent asset management in Rail</p> <p>Moderator Gareth Dennis, Railway engineer and writer</p> <p>Peter Verlič, Chairman, SEESARI & Director of SŽ Institute of Traffic and Transport Ljubljana Erni Basri, Head of Railways Engineering Center Area West Java, Directorate General of Railways, Ministry of Transportation Indonesia Ralf Marxen, Head of External Technical Affairs, Deutsche Bahn Johan Torfs, Government Business Lead, Microsoft Haluk Gökmen, Chief Technology Officer, Enekom</p>
	<p>Digital Transformation in Madrid Metro and its Impact on Management</p> <p>Isaac Centellas, Division Manager - Engineering and Maintenance, Metro de Madrid</p>	<p>ERTMS Deployment in Spain; current situation and future challenges</p> <p>Jaime Pereira, Signalling and ERTMS Manager, Technical Directorate, Adif</p>	

12.30	<p>ArcelorMittal “from Lab to Track”</p> <p>David Alvarez, R&D Rail Program Leader, ArcelorMittal Juan José Gainza, Product Development Manager, ArcelorMittal Frederic Goujon, Product Manager, ArcelorMittal</p>	<p>Discussing the reality of autonomous rail technology including research, testing and applications</p> <p>Our panel will share updates regarding their work and the challenges they face when looking to implement ATO in their networks.</p> <p>Moderated by: Naeem Ali, CBTC Solutions</p> <p>Pavel Popov, Head of Project - Autonomous Commuter Trains, JSC NIIAS Annika Hundertmark, Director Digital Rail System, DB Netz</p>	<p>Standard & Iberian gauge coexistence: our challenge in Spain</p> <p>Mario Ferreiro, Business Manager Railway Projects, INECO Gonzalo Martín de Miguel, Rail Technician, Technical Directorate – Infrastructure&Track, Adif</p>
	<p>Digital metro operations for increased reliability, sustainability, and improved passenger experience</p> <p>Stephan Lewisch, General Manager – Operations, Wiener Linien</p>		<p>Reserved for Linsinger</p> <p>Richard Stock, Milling Technology Manager, Linsinger</p>
13:00	<p>Metro leaders across Spain’s regions EN CASTELLANO</p> <p>Moderator: José Carlos Domínguez Curiel, General Manager, Fundación de los Ferrocarriles Españoles</p>	<p>Adapting energy harvesting methods for trackside and onboard signalling & communications</p> <p>José Bertolin, Technical Affairs Manager, UNIFE</p>	

	<p>Andrés Muñoz De Dios, Managing Director, Metro de Tenerife Isaac Centellas, Division Manager - Engineering and Maintenance, Metro de Madrid Jorge Maroto Gómez, Managing Director & O&M Director, Metro de Sevilla Albert Tortajada, Infrastructure Director, Ferrocarrils de la Generalitat de Catalunya (FGC)</p>	<p>CBTC Radio Link</p> <p>Christ-Olivier Tussevo, Engineering Project Manager, SNCF Stephane Callet Director Signalling Projects, SNCF</p>
13:30	Reserved for Bombardier	<p>Reserved for INECO</p> <p>Silvia Dominguez, ERTMS Senior Project Manager, INECO</p> <hr/> <p>Applications for Satellite Technology in the rail industry: the technology of the future is here</p> <p>Elena Razzano, Space Applications Engineer, European Satellite Agency Amar Vora, Space Applications Engineer, European Satellite Agency</p>

<p>14:00</p> 	<p>AFRICAN RAIL INFRA DEVELOPMENT FORUM</p> <p>Phase 2 expansion of Gautrain</p> <p>William Dachs, CEO, Gautrain Management Agency</p>	<p>Reserved for Fluidmesh</p>
<p>14:15</p>	<p>How did Ethiopia use innovative financing to increase connectivity in key areas?</p> <p>Shewangizaw Kifle Mulugeta, Senior Director, Ethiopian Railways Corp - ERC</p>	<p>Maintaining Security in a Digital First World: Effective cyber security measures to secure railway infrastructure</p> <p>Olivier De Visscher, Chair, ERSAC Geir Arild Engh-Hellesvik, CISO, Vy Christian Schlehuber, Manager Governance CyberSecurity, Deutsche Bahn AG Lies Alderlieste-de Wit, CISO, NS</p>
<p>14:30</p>	<p>African Rail Leaders Panel: Leaders from governments or operators in key African markets will discuss a range of key topics</p> <ul style="list-style-type: none"> • How can we fund the future of African rail? (Blended, PPPs, Hybrid PPPs etc.) • Key projects currently in development • What infrastructure projects should we prioritise to deliver the mobility strategies put in place by national governments? <p>Moderator: Terry Morgan, Chairman, Crossrail International</p>	

	<p>William Dachs, CEO, Gautrain Management Agency (confirmed) Alfred Assil, CEO, Mena Rail Senior Adeniyi Alli, Director, Operations and Commercial, Nigerian Railway Corporation Philip Mainga, Managing Director, Kenya Railways Shewangizaw Kifle Mulugeta, Senior Director, Ethiopian Railways Corp - ERC ArcelorMittal</p>	
<p>15:00</p> 		<p>BIM AND DIGITAL RAILWAY</p> <p>Beyond BIM Implementation in ADIF</p> <p>Javier Lozano López, Development and New Projects Manager, ADIF</p>
	<p>LATIN AMERICA RAIL INFRA DEVELOPMENT FORUM</p> <p>The future of the Colombian rail industry</p> <p>Manuel Felipe Gutierrez, CEO, Agencia Nacional de Infraestructura (Colombia)</p>	<p>The story of Crossrail’s creation of a digital railway</p> <p>Malcolm Taylor, Expert Adviser, Digital, Crossrail International</p>
<p>15:30</p>	<p>Sao Paulo State Government</p>	<p>Introducing BIM to speed up railway construction in Germany – lessons learned from 13 case studies</p> <p>Daniel Forsmann, Head of Mega Project Management Principles and responsible for the introduction of BIM, DB Netz</p>

15:45	<p>What is the future of rail transport across the region?</p> <ul style="list-style-type: none"> • Which strategies can we use to fund, plan and execute these key infrastructure projects? • What technologies should we be looking to invest in to deliver the mobility services that the region's economies need? 	<p>BIM / Digital Engineering / Digital Twins: A Railway client's View Eloy Tabares, Head of Engineering (Track and Civils), East West Railway EWR Douglas Young, Head of Asset Management & Information, East West Railway EWR</p>
	<p>Manuel Felipe Gutierrez, CEO, Agencia Nacional de Infraestructura (Colombia) Elizabeth Briceno, President, INCOFER Mauro Alabuenas, Vicepresidente, SBASE Patricio Pérez Gómez, Managing Director, EFE</p>	<p>Digital Engineering at Rail Baltica Raitis Bušmanis, Director of Digital Engineering, Rail Baltica</p> <hr/> <p>BIM in Rail: a question of building on existing foundations? Enzo Blonk, Director, GS1</p>
16:30	<p>Freight Panel: Innovating in Freight: the role of digitisation in the future development of freight rail</p> <p>Jonathan Chatfield, Head of Policy, Freight & Stations, RDG Bertrand Minary, Chief Innovation and Digital Officer, SNCF Fret Margus Oun, Innovation Manager, Operrail Martin Zsifkovits, Head of Innovation, Rail Cargo Group Javier García Fortea, Vice-director of Logistic Services, Rail Logistic Services Directorate ADIF</p>	<p>BIM processes: the engine for digitisation in the railway domain</p> <p>MODERATED BY: Enzo Blonk, Director, GS1 Daniel Forsmann, Head of Mega Project Management Principles and responsible for the introduction of BIM, DB Netz Malcolm Taylor, Expert Adviser, Digital, Crossrail International Juan de Dios Sanz Bobi, Dept of Mechanical Engineering, Universidad Politecnica de Madrid Andy Billington, Innovations and Sustainability Specialist, Rail Baltica</p>

17:00	The future for Freight Rail Clemens Forst, CEO, ADIF	
17:15	End of conference	