



PRO//MOTION.EXPO

INTERNATIONAL RAILWAY FAIR IN THE AREA 1520



**Preliminary Business Program
of the XI International Railway Fair in the Area 1520 “PRO//Motion.Expo”**

Saint Petersburg, Russian Railway Museum

August 24–25, 2023

DAY I. THURSDAY, AUGUST 24	
Hall 1 (Rail Turntable) RU / ENG Simultaneous translation	<u>10:00–10:15 Official opening ceremony</u> Sergey Kobzev , First Deputy Managing Director, JSCo RZD Sui Ruizheng , Deputy Chairman, OSJD
Hall 1 (Rail Turntable) RU / ENG Simultaneous translation	<u>10:15–11:30 Opening panel discussion</u> Rail Industry in an Era of Change. Conditions for Achieving Technological Sovereignty Russian railway engineering may complete the process of import substitution by 2024. This process in the industry faces two types of restrictions - economic and technological. <ul style="list-style-type: none">• Key technologies to improve the efficiency and sustainability of the transport industry. How to develop the technologies of the future in the face of sanctions?• Technological independence as the main vector. How to accelerate the introduction of domestic developments in the industry?• How to find a balance between the costs of localized products, the ability to produce them and purchases from alternative suppliers? Moderator: Sergey Malozemov , author and presenter of popular science programs, NTV Speakers: Sergey Kobzev , First Deputy Managing Director, JSCo RZD Alexander Misharin , Chairman of the Board of Directors, STM Mikhail Rozhkov , Deputy CEO on Technical Development, Transmashholding Maxim Tevs , General Director, RM Rail Sergey Sintsov , Vice President, EVRAZ Alexander Dolgiy , General Director, NIIAS
Hall 1 (Rail Turntable) RU / ENG	<u>13:00–14:20 Panel discussion</u> Import-Independent Locomotives. Challenges and Opportunities <ul style="list-style-type: none">• Production of components. What needs to be firstly put into production in the Russian Federation?• Who can produce what and under what conditions?• How can we optimize orders and consolidate the market of components?



<p>Simultaneous translation</p>	<ul style="list-style-type: none"> • How can the certification procedure for imported products be simplified under current conditions? • How will the production of components affect the cost of rolling stock? • State support measures. How can manufacturers be supported without shifting the burden of decisions to JSCo RZD? • What financial instruments are needed to ramp up the output of domestic manufacturers? • Cooperation with friendly countries. Prospects • Lifetime warranty. Locomotive maintenance solutions. How can the processes be optimized? <p><u>Moderator:</u> Alexey Romanenko, Managing Partner, NEO</p> <p><u>Speakers:</u> Dmitry Pegov, Deputy Managing Director - Head of the Traction Directorate, JSCo RZD Mikhail Rozhkov, Deputy CEO on Technical Development, Transmashholding Vitaly Brekson, First Deputy General Director, Ural Locomotives Valentin Gapanovich, President, Union of Industries of Railway Equipment Andrey Lunin, Deputy General Director, VNIKTI</p> <p><u>Experts:</u> Oleg Valinskiy, Rector, Emperor Alexander I St. Petersburg State Transport University Alexander Rodionov, Deputy General Director for Technical Development, LocoTech Andrey Lamkin, First Deputy Director of the Design Bureau of the Central Television, JSCo RZD</p>
<p>Hall 1 (Rail Turntable)</p> <p>Simultaneous translation</p>	<p><u>14:40–16:00 Panel discussion</u> Innovations. Cooperation vector</p> <ul style="list-style-type: none"> • Model of "open innovations": how to increase their effectiveness in Russian practice • New technological trends in the transport industry: development and commercialization. AI boom • Startups in the context of open innovation: necessary services and support measures • Creation of new instruments of international cooperation in the innovation sphere: exchange of technologies, experience and resources • Focuses of investment and new formats of work with technology companies • Innovation and investment: effective interaction and role in the transport industry • Priorities for the development of the transport industry. Points of growth and application of joint efforts. Opportunities for cooperation • Launch of the first Russian Railways Transport Accelerator program



	<p>Moderator: Ekaterina Petrova, Director of Corporate Innovation Development Platform, GenerationS</p> <p>Speakers: Anatoly Khramtsov, Deputy Managing Director - Chief Engineer, JSCo RZD Valentin Ivanov, Deputy Minister of Transport of the Russian Federation Maxim Fadeev, Vice President, Center for Infrastructure Economics Vladimir Vorozheykin, General Director, Titan Power Solution Stanislav Krechetov, CEO, InnoHub (Rosatom) Konstantin Khromushkin, Deputy General Director for Innovative Development and Digital Transformation - Director of the Railway Automation and Telemechanics Division, GC 1520 Dmitry Petrakov, General Director, TMH Engineering Sergey Novodvorskiy, Chief Engineer, Belarusian Railway</p> <p>Experts: Sergey Vinogradov, General Director, Railway Research Institute (VNIIZhT) Vladimir Andreev, Head of the Technical Policy Department, JSCo RZD Pavel Dvornichenko, General Director, ANO "Center for Support of Engineering and Innovation" Tatyana Gorovaya, Director for Government Relations LADA St. Petersburg (AVTOVAZ) Boris Rummyantsev, Deputy Head of the Innovation Development Center of Russian Railways Sergey Zhukovsky, Head of the Department of Innovative Development, PK Aquarius</p>
<p>Hall 1 (Rail Turntable)</p> <p>RU / ENG Simultaneous translation</p>	<p><u>16:05–16:15 Ceremony of awarding the winners of the competition held by JSCo RZD</u> Best Quality of Rolling Stock and Complex Technical Systems</p> <p>Awards: Anatoly Khramtsov, Deputy Managing Director - Chief Engineer, JSCo RZD</p>
<p>Hall 1 (Rail Turntable)</p> <p>RU / ENG Simultaneous translation</p>	<p><u>16:30–17:50 Panel discussion</u> Future of Unmanned Trains. What Automation Levels Will Be Deployed on Railway Rolling Stock and When?</p> <ul style="list-style-type: none"> • When will unmanned railway rolling stock be put into operation? • What automation levels will be most sought after in the rail industry? • What hinders the deployment of automation systems? • How can the safety of unmanned trains be proven? • How does infrastructure influence the introduction of unmanned trains? • Does the introduction of unmanned trains require technical solutions to be standardized? • How can complex computer vision systems be tested?



	<ul style="list-style-type: none"> • The new Railway Operating Rules provide for the automatic and remote operation of railway transport. What additional regulatory documentation is necessary for the introduction of unmanned trains? • Is there any clarity regarding the certification process for the automatic operation of rolling stock? <p><u>Moderator:</u> Sergey Belov, Editor-in-Chief, ROLLINGSTOCK Agency</p> <p><u>Speakers:</u> Vladimir Andreev, Head of Technical Policy Department, JSCo RZD Pavel Popov, Deputy General Director - Director of the St. Petersburg Branch, NIIAS Andrey Romanchikov, Managing Director for Smart Control Systems Development, Transmashholding; CEO, TMH Smart Systems Sergei Tolstoukhov, Director of Logistics, Severstal Russian Steel and Severstal Resource divisions Dmitry Bolotsky, Deputy General Director for International Projects, GC 1520</p> <p><u>Expert:</u> Maksim Shein, Head of R&D-MPSU, NPO SAUT</p>
<p>Hall 2 (Arrows of Time)</p>	<p><u>12:00–12:40 Presentation</u> Assessment of the Multiplier Effect for the Economy of the Russian Federation from Implementing the Investment Program of JSCo RZD</p> <p>For the anniversary of Russian Railways, the Institute for Problems of Natural Monopolies (IPEM) prepared a study of the economic effects of the company's investment program, which over the two decades of its history has exceeded 6.5 trillion rubles. A program of this magnitude generates numerous indirect effects for the national economy, which are expressed in an increase in economic activity in industries associated with the supply of materials for its implementation, the emergence of cash flows in the form of wages, depreciation, profits and taxes.</p> <ul style="list-style-type: none"> • To what extent do Russian Railways' investment program expenditures increase Russia's GDP? • What are the volumes of tax revenues to the federal and regional budgets, social contributions from investments in services for the construction, maintenance and repair of infrastructure and capital construction projects, purchases and repairs of rolling stock and equipment? • Investments in which projects give the maximum effects on GDP, tax and social contributions, and how do the effects for the federal and regional levels correlate? <p><u>Speakers:</u></p>



	<p>Yuri Saakyan, Managing Director, Institute of Natural Monopolies Research</p> <p><u>Experts:</u> Vladimir Kosoy, President, Center for Economics of Infrastructure Yevgeny Semenov, Executive Director, Union "Association of Railcar Builders" Valentin Gapanovich, President, Union of Industries of Railway Equipment</p>
<p>Hall 2 (Arrows of Time)</p>	<p><u>13:00–14:20 Panel discussion</u> Wagon Turnaround. Acceleration vs Fleet Surplus</p> <ul style="list-style-type: none"> • Prospects for improving the technologies of controlling the wagon fleet • Optimization of interaction between ports and railways: exchange of up-to-date information and technological efficiency • Automation of traffic control tools and potential for increasing traffic frequency (including the limiting infrastructure) • Efficiency of polygon technologies for traffic control in case of insufficient infrastructure (delivery time, construction of new infrastructure and track repair technologies) • Operation management of interstate railroad crossings and frontier stations <p><u>Moderator:</u> Pavel Ivankin, President, National Research Center "Transportation and Infrastructure"</p> <p><u>Speakers:</u> Mikhail Glazkov, Deputy Managing Director – Head of the Central Traffic Control Directorate, JSCo RZD Denis Rakhimjanov, Director of Logistics, SUEK Sergey Kaletin, General Director, SG-trans Vladimir Sosipatorov, General Director, Atlant Igor Sankovskiy, Executive Director, Union of Railway Operators</p> <p><u>Expert:</u> Mikhail Ivanov, Deputy General Director for TL Business Development, Eurosib SPb - transport systems</p>
<p>Hall 2 (Arrows of Time)</p>	<p><u>14:40–16:00 Panel discussion</u> Wagons of Technological Sovereignty. Concept of the Future</p> <ul style="list-style-type: none"> • Transportation technologies of the future and corresponding capacity of railway transport infrastructure as a basis for choosing a concept for the wagon of the future <ul style="list-style-type: none"> – Structure and loading gauges: Will T_{pr} still apply or are larger gauges possible in the long term?



- Fork: To increase the weight per axle to over 25 t or to use multi-axle wagons with the current weight per axle?
- Unladen weight: Is there a need and possibility to reduce weight to less than 18–20 t/wagon?
- Train tonnage rating: What will be the standard train tonnage in the future?
- New products in the Russian car building market. Why are they innovative and unique? How does the digitalization of wagons benefit their users and owners?
- What kind of wagons are necessary for the market here and now, and what kind of wagons will be sought after in the long term? Production trends and forecasts in light of insufficient infrastructure for accommodating 1.3 mln wagons, possible fleet surplus, given the overall improvement in the productivity of wagons on the network, and the load of wagon manufacturers
- Capacity growth in the Eastern polygon owing to innovative rolling stock (gondola cars; tank and refrigerated containers; hopper wagons). How can the purchase of innovative wagons be stimulated? How can operators maintain an innovative fleet for operation in a polygon, given the extensive geography of routes?
- How does unique rolling stock contribute to railway logistics development?
- Will domestic manufacturers be able to satisfy the demand for refrigerated containers?
- Innovative solutions for safe loading and transportation of containers in gondola cars. Technology of the future or a temporary solution?
- Sanction wagon. When will manufacturers be able to release a 100% domestically produced innovative wagon without foreign components?
- Wagon of the future: a wagon of cooperation with manufacturers from friendly countries or an entirely localized wagon?

Moderator:

Vladimir Savchuk, Deputy Director General, Institute for Natural Monopolies Research

Speakers:

Igor Kharybin, Head of Division, Technical Policy Department, JSCo RZD

Anna Orlova, General Director, All-Union Research Center for Transport Technologies; Director of Scientific and Technical Development, Research and Production Corporation United Wagon Company

Andrey Abakumov, General Director, Uralvagonzavod-Trans

Alexey Shulepov, General Director, TEK-COM Group

Sergey Goncharov, Director for Technical Development, TransContainer

Boris Ivanov, Vice President for Industrial Development, FESCO

Experts:

Yevgeny Semenov, Executive Director, Union “Association of Railcar Builders”

Victor Popov, Deputy Head of Wagon Directorate– Head of R&D and Production Department, RusRef



<p>Hall 2 (Arrows of Time)</p>	<p><u>16:20–17:40 Panel discussion</u> Rolling Stock vs Passenger Experience. What Train Do Passengers Need?</p> <ul style="list-style-type: none">• Evolution of cars. What will the rolling stock of the future look like?• Cars with reserved seats for a new time. Why is better by train?• Rolling hotels. Variety of tourist trains on cruise routes• Improvement of commuter rolling stock. Are mechanical engineers ready to satisfy the demand of RZD?• Modern comfort and service level in trains. What do passengers need? <p><u>Moderator:</u> Oleg Pokusaev, Director, Academy “Higher Engineering School”</p> <p><u>Speakers:</u> Dmitry Pegov, Deputy Managing Director - Head of the Traction Directorate, JSCo RZD Ivan Kolesnikov, Deputy Managing Director, JSCo RZD Vladimir Pyastolov, General Director, FPC Alexander Loshmanov, Deputy CEO for Passenger Transport Development, Transmashholding Anton Zubikhin, Deputy General Director, Sinara Group Konstantin Boltrukevich, System Integration Director, TransTeleCom Company</p> <p><u>Experts:</u> Alexey Belyankin, Head of Center for Corporate Governance of the Suburban Complex, JSCo RZD Vladimir Kosoy, President, Center for Economics of Infrastructure Daria Topilskaya, CEO, 2050.LAB</p>
<p style="text-align: center;"><u>11:00–17:00 Demo day</u> Industrial Competence Center “Railway Engineering”</p>	
<p>Hall 3 (Museum’s Conference Hall)</p>	<p><u>11.00 – 12.30 Plenary session</u> IT Landscape of ICC "Railway Engineering". Cross-industry Interaction in the Development and Implementation of Engineering Software in Industries, Transport and Energy</p> <p><u>Moderator:</u> Kirill Kireev, Deputy Director for Development, ANO “Digital Economy”</p> <p><u>Speakers:</u> Sergey Khomyakov, Executive Secretary, ICC "Railway Engineering" Ivan Kuzmenko, Deputy Director of the Department of Digital Technologies, Ministry of Industry and Trade of Russia Sergey Plugotarenko, CEO, ANO Digital Economy</p>



	<p>Ilya Massukh, Director, ANO Competence center on import substitution in the sphere of ICT Konstantin Lobachev, Expert, ICC "Railway Engineering" Vyacheslav Kamarin, Development Director, ATOMDATA Matvey Ulyanychev, Managing Director for Development PlatformV, SberTech Stanislav Sharonov, General Director, ANO "Digital Technologies of Productivity" Sergey Noskov, Commercial Director, Clover Group</p> <p><i>online</i> Philip Bykov, Deputy General Director, RFRIT</p>
<p>Hall 3 (Museum's Conference Hall)</p>	<p><u>13.00 – 13.30 Presentation</u> Presentation of the Work of the ICC “Railway Engineering”: Status of Implementation of Particularly Significant Projects</p> <p><u>Moderator:</u> Sergey Khomyakov, Executive Secretary, ICC "Railway Engineering"</p> <p><u>Speakers:</u> Andrey Rybakov, SmartDiagnostics Project Manager, Clover Group Sergey Mikhailov, Project Manager Digital Form, LocoTech-Service Andrey Petrov, Project Manager 1D and Requirements Management, Transmashholding</p>
<p>Hall 3 (Museum's Conference Hall)</p>	<p><u>13.30 – 14.20 Presentation</u> Presentation of the Work of the ICC “Railway Engineering”: Selection of Projects of the "Second Stage"</p> <p><u>Moderator:</u> Sergey Khomyakov, Executive Secretary, ICC "Railway Engineering"</p> <p><u>Speakers:</u> Evgeniy Klimakhin, Lead Design Engineer, Design Bureau Tulazheldormash Vladimir Oleinikov, Project Manager for product life cycle management, Sinara - Transport Machines Marian Gonchar, Director of the Department of Information Technologies and Digital Transformation, Ural Design Bureau of Carriage Building Irina Krasotina, Deputy Managing Director of HVH Digital Technologies, Ruzhim mash</p>
<p>Hall 3 (Museum's Conference Hall)</p>	<p><u>15.20 – 16.30 Pitch session of startups</u></p> <p><u>Moderator:</u> Alexey Sidoryuk, Director for Artificial Intelligence, Development Director, ANO Digital Economy</p>



	<p><u>Speakers:</u> Evgeniy Korniliev, Deputy General Director, Advanced Integration Technologies Maryana Khatsukova, Head of Reliability Management Product Development, Bimeister Sergey Belolipetsky, Consulting Director, Logrokon Ilya Chekrygin, CEO, GS Digital Technology Stanislav Beresnev, Project Manager, Modern Technologies</p>
Hall 3 (Museum's Conference Hall)	<p><u>16.30 - 17.00 Summing up</u></p>
DAY II. FRIDAY, AUGUST 25	
Hall 1 (Rail Turntable) RU / ENG Simultaneous translation	<p><u>10:00–11:20 Round table</u> Russian Labor Market: Training in Universities and the Struggle for Talent among Employers</p> <ul style="list-style-type: none">• Prospects for the labor market• State regulation of employment, measures to adapt the labor market to changing conditions• Industry demand for qualified personnel• How and where to look for workers• University as a partner for training and business transformation• Involvement of scientific organizations and universities in solving the problems facing the transport industry <p><u>Moderator:</u> Denis Kravchenko, Editor-in-Chief, Publishing House “Gudok”</p> <p><u>Speakers:</u> Dmitry Shakhanov, Deputy Managing Director, JSCo RZD Galina Rysakova, Senior Vice President for Organizational Development and Human Resources, Rostelecom Oleg Valinskiy, Rector, Emperor Alexander I St. Petersburg State Transport University Natalia Shishlakova, Deputy General Director for Corporate Development and Project Activities - Member of the Managing Board, Transmashholding Yulia Sakharova, Director, hh.ru Northwest</p> <p><i>online</i> Mikhail Kirsanov, Director of the Department of Employment, Ministry of Labor and Social Protection of the Russian Federation</p>



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	<p>Experts: Pavel Popov, Deputy General Director - Director of the St. Petersburg Branch, NIIAS Alexey Parkhaev, Deputy General Director for Human Resources and Social Affairs, Railway Research Institute (VNIIZhT)</p>
Exhibition	11:00–12:00 Official tour around the exhibition
Baltiysky railway station	12:00–12:45 Dynamic exposition
Exhibition	12:45–13:00 Official tour around the exhibition
<p>Hall 1 (Rail Turntable)</p> <p>RU / ENG Simultaneous translation</p>	<p>14:00–15:30 Plenary discussion Prospects for the Development of Transport and Railway Engineering. Image 2030</p> <ul style="list-style-type: none"> • What will determine the development of the industry for the coming decades and how will its technological image change? • What does Russian Railways expect from domestic machine builders in the situation of sanctions restrictions? • Where do machine builders and carriers see the greatest potential for development and how are they consolidating their efforts? • When will domestic machine builders give up imported components? • Rolling stock for export. Are Russian manufacturers ready to cooperate with foreign partners? • Parity with friendly leading countries in critical technologies. New opportunities for cooperation <p><u>Greetings:</u> Oleg Belozеров, Chief Executive Officer – Chairman of the Executive Board, JSCo RZD Alexander Belsky, Chairman of the Legislative Assembly of St. Petersburg</p> <p><u>Moderator:</u> Marianna Ozhereleva, host, RZD-TV</p> <p><u>Speakers:</u> Oleg Belozеров, Chief Executive Officer – Chairman of the Executive Board, JSCo RZD Valentin Ivanov, Deputy Minister of Transport of the Russian Federation Alexey Druzhinin, Head, Federal Agency for Railway Transport Li Wenxin, Deputy General Manager, China National Railway Group Kirill Lipa, CEO, Transmashholding Victor Lesh, Director General, Sinara Group</p>



	<p>Expert: Yuri Saakyan, Managing Director, Institute of Natural Monopolies Research</p>
<p>10:00–17:00 Demo day Industrial Competence Center “Railway Transport and Logistics”</p>	
<p>Hall 2 (Arrows of Time)</p>	<p>10:00 – 11:10 Plenary session ICC "Railway Transport and Logistics": Results, Experience, Approaches and Prospects</p> <p>Moderator: Polina Davydova, CEO, Digital Transport and Logistics Association</p> <p>Speakers: Dmitry Bakanov, Deputy Minister of Transport of the Russian Federation, Head of the Industry Committee "Transport" Evgeny Charkin, Deputy General Director, JSCo RZD Sergey Plugotarenko, CEO, ANO Digital Economy Ilya Massukh, Director, ANO Competence Center for Import Substitution in the Field of Information and Communication Technologies</p>
<p>Hall 2 (Arrows of Time)</p>	<p>11:10 – 11:50 Session ICC "Railway Transport and Logistics": Results, Experience, Approaches and Prospects" (main projects)</p> <p>Moderator: Kirill Kireev, Deputy Director for Development, ANO Digital Economy</p> <p>Speakers: Alexander Miskaryan, General Director, RZD-Technologies Sergey Muslanov, Product Director, GLONASS Valeria Matyukhina, General Director, Sber Troika Alexander Klimanov, Executive Director Client Transformation Directorate, CIB</p>
<p>Hall 2 (Arrows of Time)</p>	<p>13:00–13:30 Signing of agreements</p>
<p>Hall 2 (Arrows of Time)</p>	<p>14:00 – 15:20 Session ICC "Railway Transport and Logistics": Results, Experience, Start-ups, Prospects (projects of ICC members and partners)</p>



	<p><u>Moderator:</u> Kirill Kireev, Deputy Director for Development, ANO Digital Economy</p> <p><u>Speakers:</u> Petros Shekyants, Head of the Department for the Development of Logistics and Transport Systems, DeloTech Matvey Ulyanychev, Development Director, PlatformV Vladimir Teterev, Head of Business Development Department, Logistics Block, Russian Post Vasily Balakin, Head of Business Development Department, Warehouse Block, Russian Post Artyom Sychev, Advisor to the CEO, Positive Technologies Ekaterina Shashkova, Executive Director, InEx Olga Goretskaya, Development Director, Optimumlab Maryana Khatsukova, Head of Reliability Management Product Development, Bimeister</p>
<p>Hall 2 (Arrows of Time)</p>	<p><u>16:00-16:05 Welcome</u> Oleg Belozarov, General Director - Chairman of the Board of Russian Railways, Head of the ICC "Railway Transport and Logistics"</p>
<p>Hall 2 (Arrows of Time)</p>	<p><u>16:05 – 17:15 Round table</u> Domestic Enterprise-Level ERP Systems: from Design to Implementation</p> <p><u>Moderator:</u> Alexey Sidoryuk, Director for Artificial Intelligence, Development Director, ANO Digital Economy</p> <p><u>Speakers:</u> Kirill Semion, Head of the Department of Informatization of Russian Railways, General Director of ANO NCC ISU Marina Slesarenko, Deputy Director for Corporate Clients, 1C Firm Evgeny Abakumov, Information Infrastructure Director, Rosatom State Corporation Alexander Dolgov, Deputy General Director for Information Technologies, Freight One Anatoly Ushakov, CIO, Transmashholding Ilya Massukh, Director, ANO Competence Center for Import Substitution in the Field of Information and Communication Technologies</p>



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