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**The Latvian context:
Transport investment needs
potential project pipeline for EFSI**



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TEN-T Core network North Sea - Baltic corridor





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Main transport infrastructure



Three main ports of Latvia:

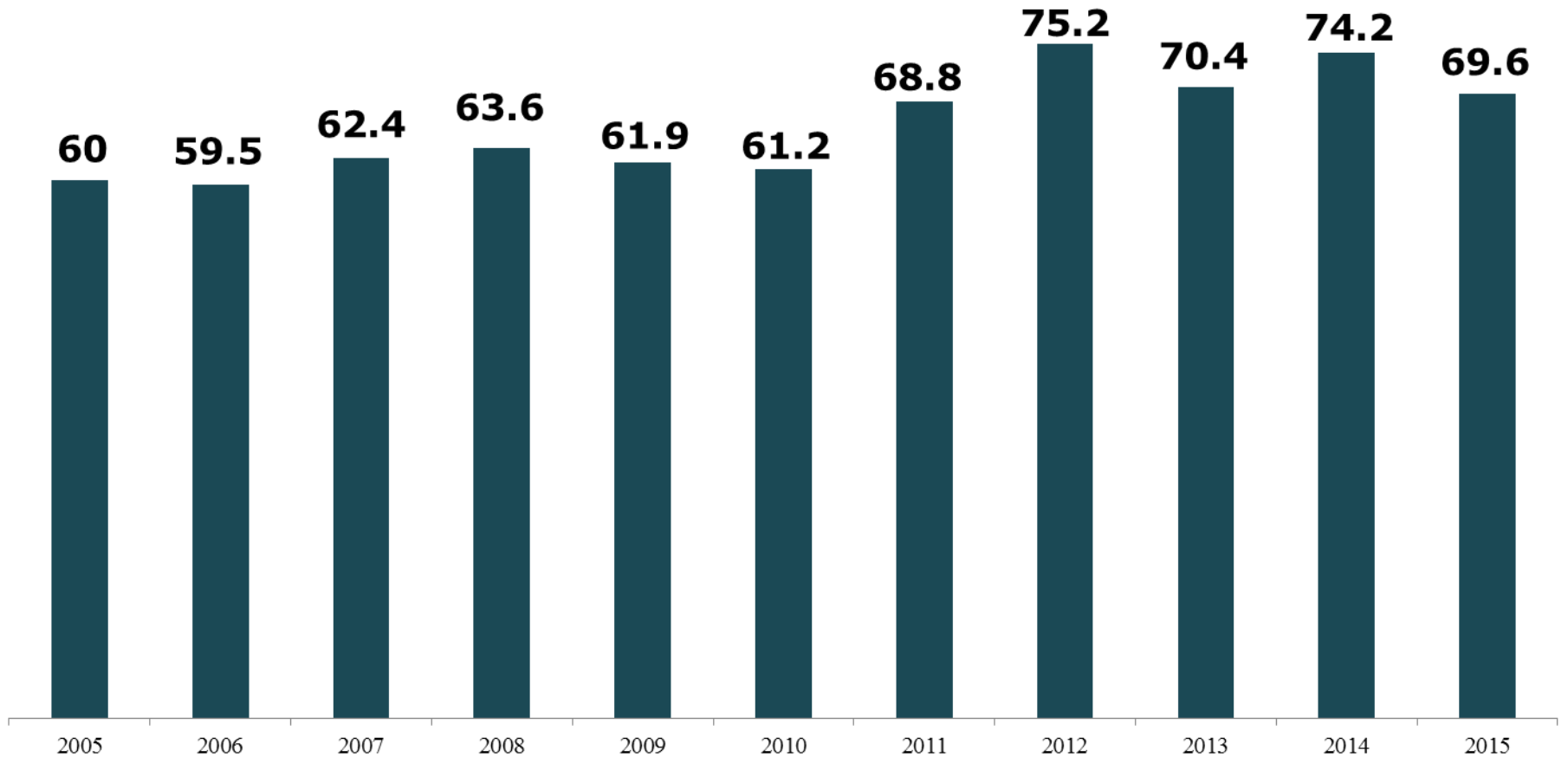
- Freeport of Riga
- Freeport of Ventspils
- Liepāja Special Economic Zone

- Extensive Road Network
- Developed railway network



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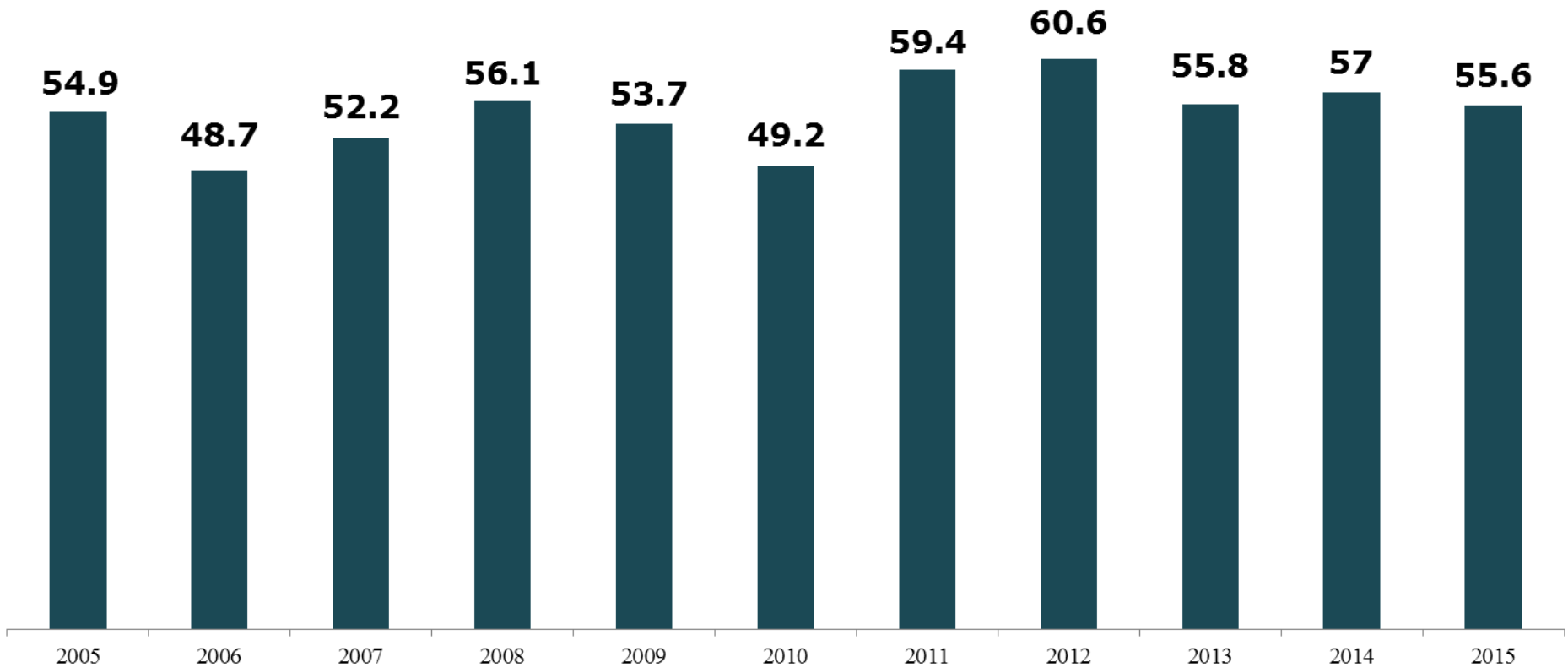
CARGO TURNOVER IN LATVIAN PORTS 2005-2015 (million t)





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CARGO TURNOVER IN RAILWAYS 2005-2015 (million t)





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ROADS

- Total length of state roads - **20 131** km
 - Main roads – 1 749,5 km (8,7%)
 - Regional roads – 5 786,4 km (28,7%)





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RIGA – A REGIONAL LEADER IN AVIATION

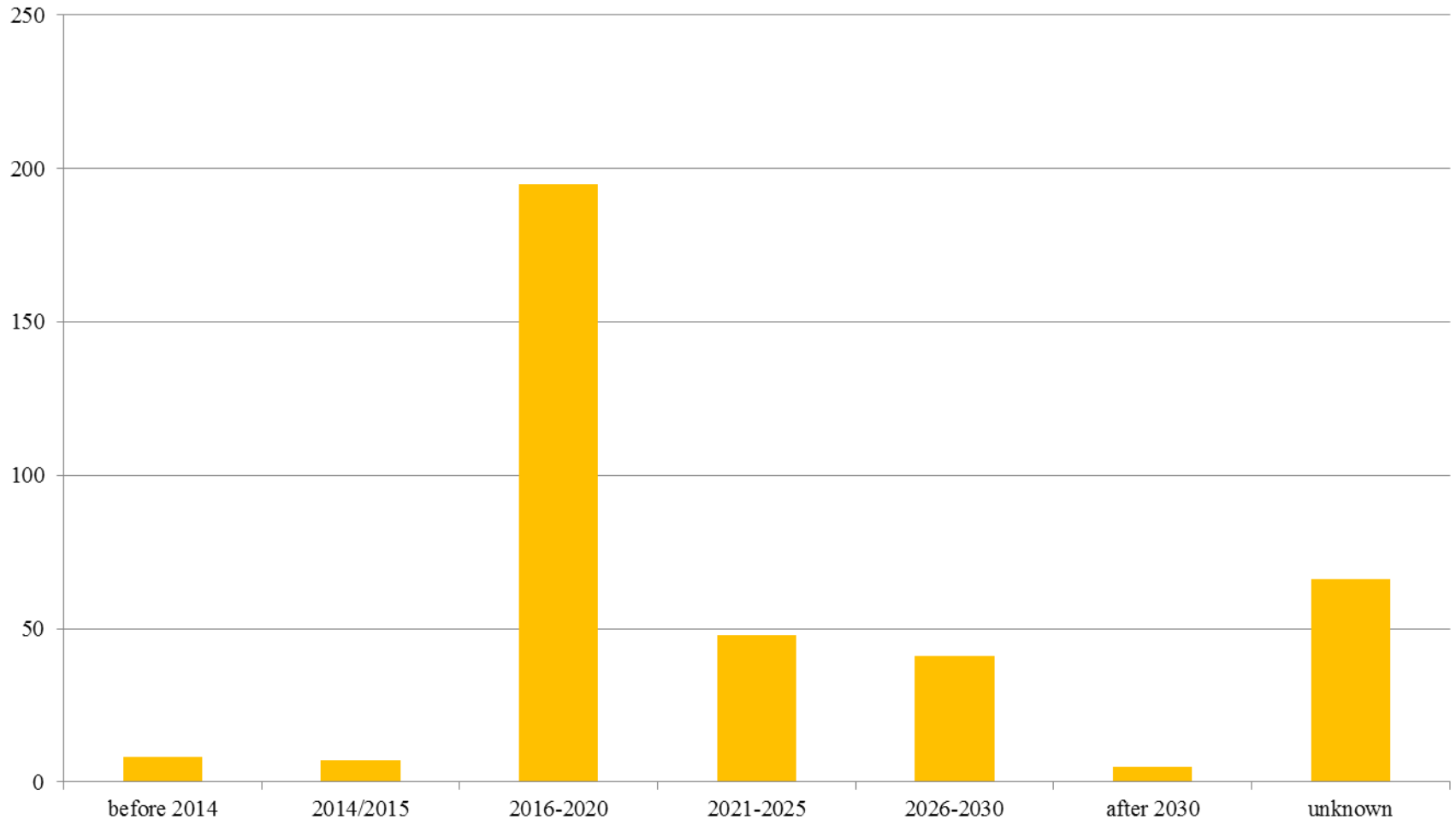
- Government of Latvia owns **100% RIX**
- **Aviation – a strategic industry for Latvia**
- Pax growth (2004-2015): 1M → 5M
- Geographic advantage / Hub-and-spoke strategy / Gateway to Single European Sky
- Infrastructure development
- New pax terminal, support infrastructure
- Cargo aviation





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Number of projects in timeline

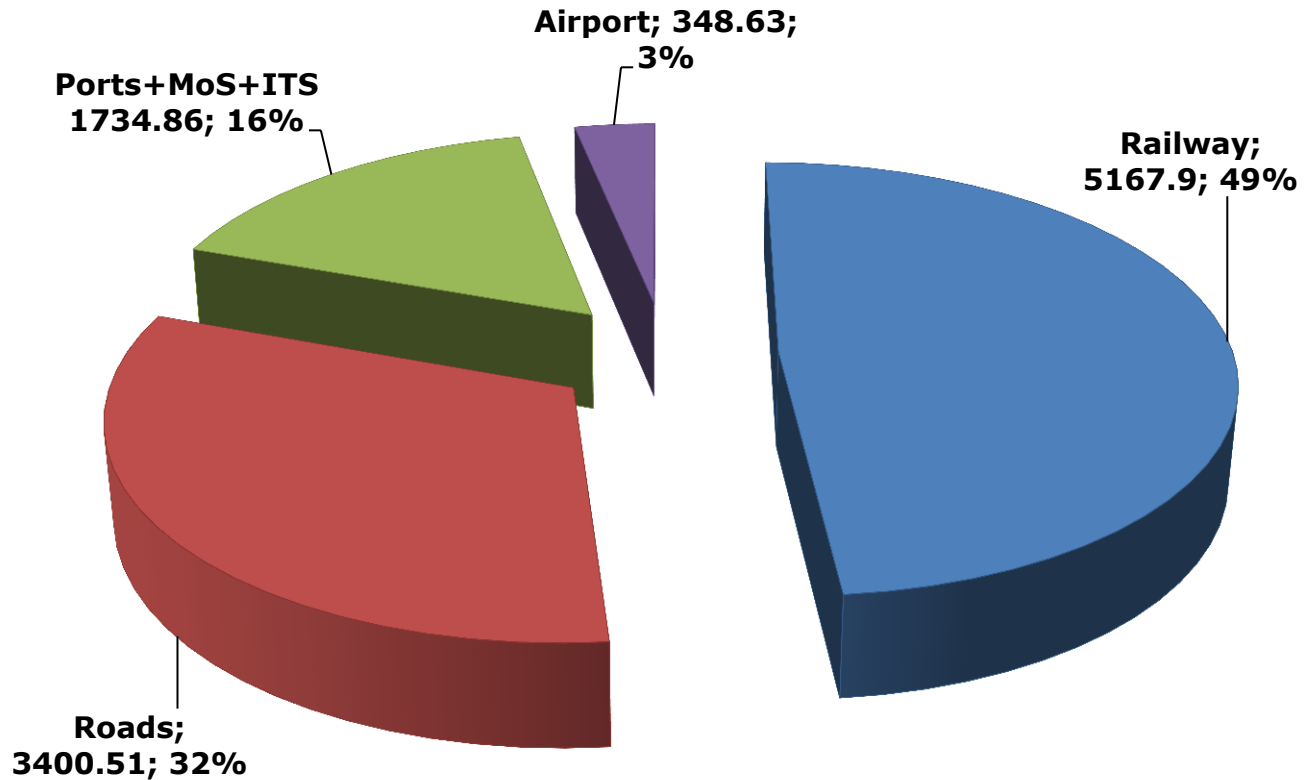




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Projects on the NSB corridor in Latvia (corridor work plan, 2016)

Investment needs, M EUR



Total: at least 10 651.9 M EUR



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Projects on the NSB corridor in Latvia

Railway

Project name	Costs	Implementation phase
Development of a 1435 mm standard gauge railway line in the Rail Baltica corridor through Estonia, Latvia and Lithuania	4814,53 M EUR	2016-2025
Development of railway infrastructure in Kundzinsala (access roads and bridge)	12 M EUR	2014-2020
Electrification of the core Latvian rail network (I stage)	To be determined	2017-2022
Electrification of the core Latvian rail network (II stage)	To be determined after the I phase	2023-2030
Construction of wireless communication network	72,48 M EUR	2019-2020
Modernisation of railway passenger service infrastructure	28,15 M EUR	2016-2020
Development of centralized traffic scheduling and management system	21,34 M EUR	2017-2021
Reconstruction of the Riga railway junction	19,40 M EUR	2016-2019
Supply of Suburban Electric Passenger Trains and Maintenance Equipment, and Personnel Training	200 M EUR	2016-2019

Railway Total: at least 5 167.9 M EUR



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Projects on the NSB corridor in Latvia

Roads – Rīga

Project name	Costs	Implementation phase
Riga Northern transport corridor	1 500 M EUR	2006-2030
Eksporta street reconstruction	5 M EUR	2020-2030
Eastern motorway Ieriku-Vietalvas (missing link of the Eastern motorway)	32 M EUR	2016-2020
Eastern motorway overpas over Riga-Skulte railway train line, Tvaika street and access roads reconstruction	70 M EUR	2016-2023
Left bank link to port areas - Daugavgrivas street reconstruction with access roads	44 M EUR	2020-2023
Left bank link two level intersection construction to port areas between Ranka dambis and Vienibas gatve	155 M EUR	2020-2030
The Southern Bridge Phase IV – Southern main connection to national roads A7 and A8 (construction of Janis Cakste gatve from Ziepniekkalna street to Vienibas gatve)	86 M EUR	2020-2030
Eastern motorway extension – reconstruction of Laivinieku Street from Mangalsala to Jaunciema gatve including bridge over Audrupe and two level intersection over Riga-Skulte railway train line – Northern inlet to port	70 M EUR	2020-2030
Eastern motorway connection – reconstruction of Krustpils Street section from Rencenu Street to Maskavas Street	70 M EUR	2020-2030

Roads - Riga Total: 2 032 M EUR



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Projects on the NSB corridor in Latvia

Roads – Ventspils, Jūrmala

Project name	Costs	Implementation phase
Jurmala - Linkage of city infrastructure to TEN-T	To be determined	To be determined
Ventspils - Linkage of city infrastructure to TEN-T	To be determined	To be determined



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Projects on the NSB corridor in Latvia

Roads - Latvia

Project name	Costs	Implementation phase
E67/A1 Svetciems – Ainazi Pavement reconstruction (increasing of bearing capacity)	21,70 Milj. EUR	2016
E67/A4 Riga bypass Pavement reconstruction (increasing of bearing capacity)	4,30 Milj. EUR	2017-2018
E22/A10 Priedaine – Tukums Pavement reconstruction (increasing of bearing capacity)	22,70 Milj. EUR	2016-2017
E67/A7 Riga – Kekava Kekava bypass construction	74 Milj. EUR	2020-2023
E67/A4 Baltezers – Saulkalne Riga Bypass rebuilding from 2 to 4 lanes (two carriageways)	116 Milj. EUR	2025-2028
E67/A5 section from A4/A6 node to Kekava bypass node New Daugava river crossing instead of Riga HPS bridge. Construction of Riga bypass in a new location	235 Milj. EUR	2027-2031
E67/A1 Riga – Lilaste Baltezers bypass construction and A1 rebuilding from 2 to 4 lanes (two carriageways) in section Adazi – Lilaste	158,50 Milj. EUR	2024-2027
E22/A10 Priedaine – Kemerī turning Road rebuilding from 2 to 4 lanes (two carriageways)	202 Milj. EUR	2021-2027
E67/A7 Bauska city - Bauska bypass construction	118 Milj. EUR	2028-2034
E22/A5 Iecava village - Iecava bypass construction	111 Milj. EUR	2028-2034



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Projects on the NSB corridor in Latvia

Roads - Latvia

Project name	Costs	Implementation phase
E22/A5 Riga bypass A5 rebuilding from 2 to 4 lanes (two carriageways) in section Kekava bypass (A7) to A9	123 Milj. EUR	2028-2034
E67/A7 Kekava – Iecava A7 rebuilding from 2 to 4 lanes (two carriageways) in section Riga bypass to Iecava bypass	141 Milj. EUR	2028-2034
Via Baltica (E67/A1, A7) The creation of traffic information services in compliance with the EU requirements within the Via Baltica route with cooperation among LV, LT and EE	To be determined	2014-2020
ITS development across main state road network (variable speed signs, traffic lights, info displays)	To be determined	To be determined
H2Nodes - evolution of a European hydrogen refuelling station network by mobilising the local demand and value chains	29,01 Milj. EUR	2014-2018
Establishment of recharging stations for electric vehicles (EV) in order to ensure the use of EV throughout Latvia and to avoid distance restrictions of EV	8,30 Milj. EUR	2016-2023
Establishment of CNG (compressed natural gas) station for CNG vehicles in order to ensure the use of CNG vehicles throughout Latvia	~2 Milj. EUR	2018-2020
Establishment of LNG (liquefied natural gas) station for LNG vehicles in order to ensure the use of LNG vehicles throughout Latvia	~2 Milj. EUR	2018-2025

Roads - Latvia Total: at least 1 368,51 M EUR



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Projects on the NSB corridor in Latvia

Riga Free Port

Project name	Costs	Implementation phase
Motorway overpass from Tvaika street to Kundzinsala	30 Milj. EUR	2017-2020
Reconstruction of Shipping Channel within the port of Riga	90 Milj. EUR	2015-2017

Riga Free Port Total: 120 M EUR



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Projects on the NSB corridor in Latvia

Ventspils Free Port

Project name	Costs	Implementation phase
The access roads to the terminals and industrial zones of Freeport of Ventspils	18,48 Milj. EUR	2016-2021
Reconstructions of the hydrotechnical structures (breakwaters, bank revetments etc.) of the Freeport of Ventspils	10,58 Milj. EUR	2016-2020
The purchase of the ship for the depth maintenance in Freeport of Ventspils	19,90 Milj. EUR	2018-2023
Electrification of piers of the Ventspils Freeport	7,10 Milj. EUR	2018-2023
Northern port project	99,60 Milj. EUR	2018-2023
Baltic Clean Fuels Project	1 450 Milj. EUR	2010-2020
Vessel Traffic Management System Modernization	0,98 - 2,2 Milj. EUR	To be determined

Ventspils Free Port Total: 1 607,86 M EUR



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Projects on the NSB corridor in Latvia

Motorways of the Sea

Project name	Costs	Implementation phase
FAMOS (Finalising the Motorways of the Sea – Surveying the Baltic Sea)	5 Milj. EUR	2014-2020

Ports-ITS

Project name	Costs	Implementation phase
International cargo logistics and port information system (Stage 2)	2 Milj. EUR	2016-2020



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Projects on the NSB corridor in Latvia

Airport Rīga

Project name	Costs	Implementation phase
The expansion of the existing terminal of the JSC Riga International Airport	44,50 Milj. EUR	2014-2023
The construction of the second stage of the JSC Riga International Airport infrastructure	21,94 Milj. EUR	2015-2020
Improving multimodal interconnections between airports and infrastructure of other transport modes	14 Milj. EUR	2016-2027
Improving airport capacity, sustainability and mitigating the environmental impact from aviation	268,19 Milj. EUR	2016-2030

Airport Rīga Total: 348,63 M EUR



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EFSI projects

➤ First EFSI project:

Riga municipal LLC «Rīgas satiksme» project on purchase of new public transport vehicles and modernization of public transport infrastructure – decision in October 2016

➤ In preparation:

Kekava bypass project: now under environmental assessment to be implemented according to Public – Private Partnership Law, investment phase to be completed in 2023

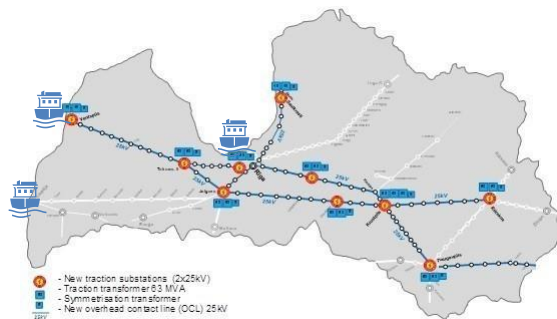




Larger scale projects



Rail Baltic/Rail Baltica project



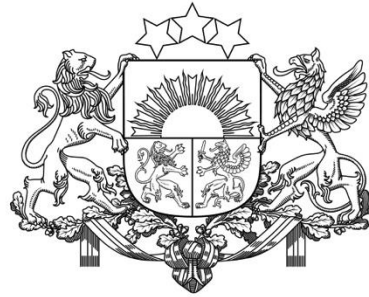
Electrification of railway network



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Opportunities for project promoters in Latvia

- Work **in cooperation**, look at examples that have worked
- **Blending** of sources of financing
- **Project bundling** by beneficiary, by sector or by functionality
- Project **platforms or funds** – by sector, by type
- **PPPs**
- **Individual EIB / EFSI loans**



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Thank you for attention!