

The New Baltic Economic Engine

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WLEIF - December 29, 2016

Agenda

- AECOM
- The Context
- The Project
- The Benefits/Opportunities

December 29, 2016

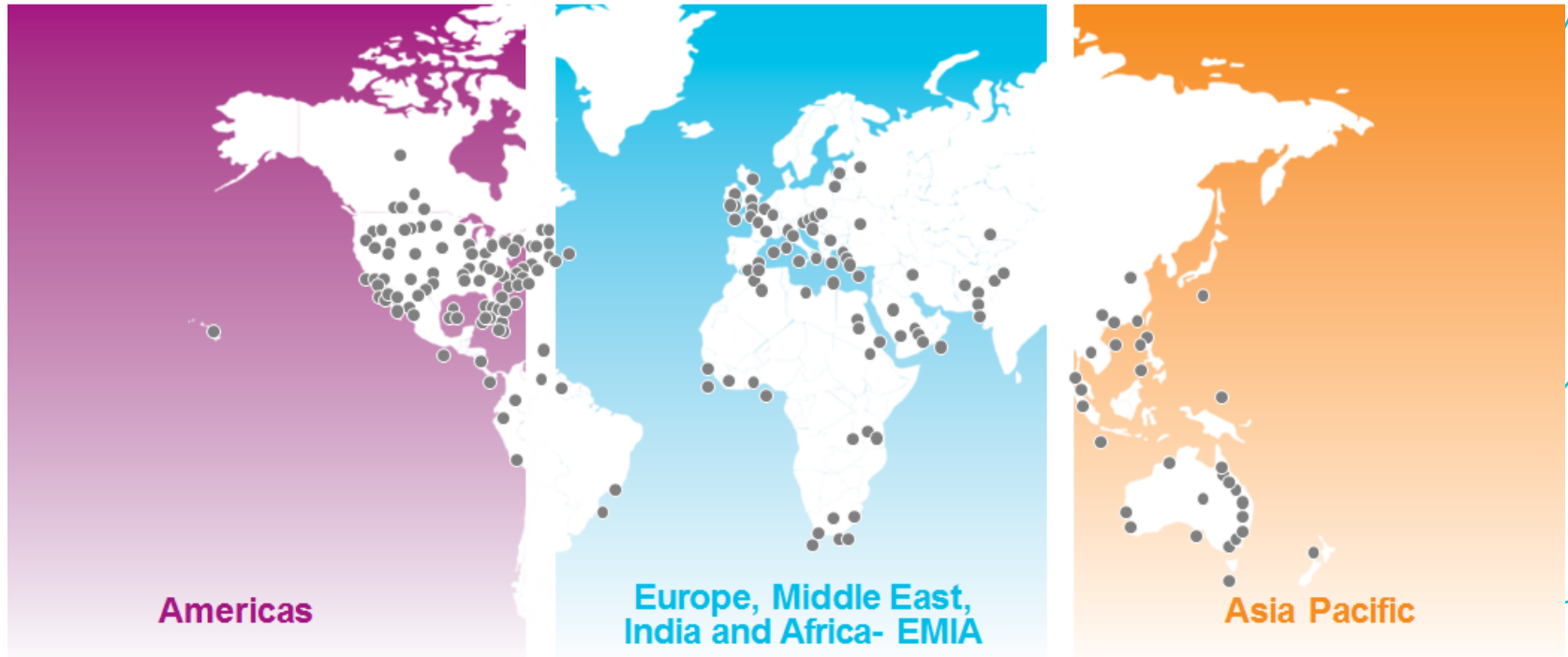


AECOM

AECOM : A fully integrated firm serving civil infrastructure, energy, facilities, environmental government markets

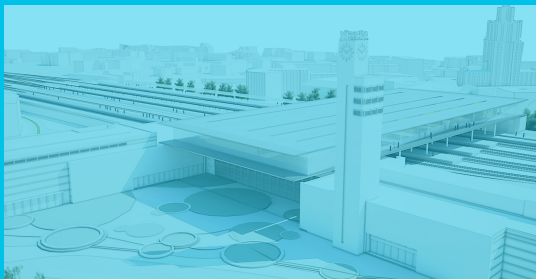
3 Major Geographies / 150 countries

100.000 people / \$19.5 Bn Annual Turnover



AECOM: Rail Baltica Project Portfolio

- 1) Rail Baltica Feasibility Study (2010/11)
- 2) Rail Baltica LT – Vilnius-Kaunas Extension Cost Benefit Analysis (2012)
- 3) Rail Baltica LT – Spatial Planning & Preliminary Design (2014/15/16)
- 4) Rail Baltica CEF Application 1 – Grant Application (2015)
- 5) Rail Baltica LV – RPTH Feasibility Study & Conceptual Design (2015/16)
- 6) Rail Baltica LV – RBILC Feasibility Study & Preliminary Engineering Design (2015/16)



Rail Baltica: The Context

The Context



- The largest railway infrastructure project in the Baltic countries during last 100 years.
- Priority at the European level, the missing cross-border section of the European rail transport system.
- Truly integrate into the EU – connects capital cities, ports, airports and other strategic objects
- An estimated 5 billion euro investment over 15 years in the Baltic countries



Rail Baltica: The Project

The Project

Overall length of new track 728km

The route is a **mixed traffic** conventional route - maximum design speed of 240 kph

Journey times between Tallinn and the Lithuanian/Polish Border

Passenger 4.13 hrs (4hrs:8mins)

Freight 10.38 hrs (10hrs:23mins)

Average speeds

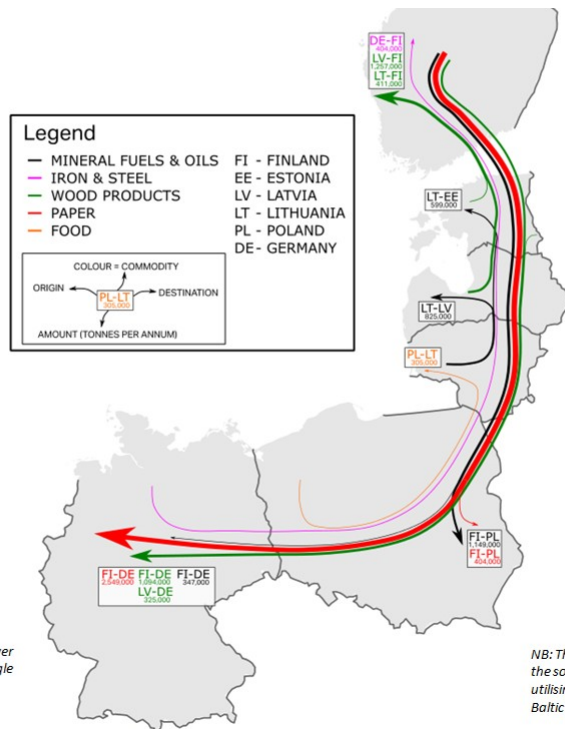
Passenger 170 kph

Freight 68 kph

The route is twin track for its entire length on mainly new alignment

Some dual gauge (1520/1435) sections are required mainly in congested areas adjacent to existing major stations.

The Project

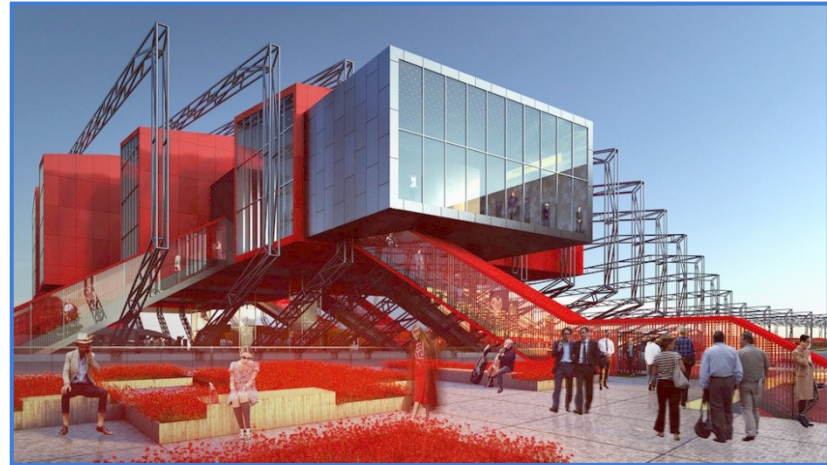
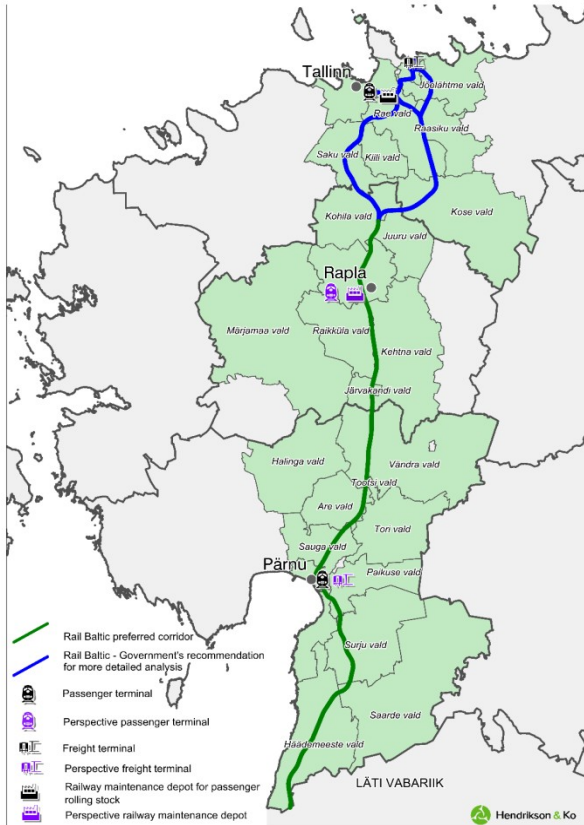


	Origin - Destination	Commodity	Tonnes
Southbound	Finland – Germany	Paper	2,549,000
	Finland – Germany	Wood Products	1,094,000
	Finland – Poland	Mineral Fuels & Oils	1,149,000
	Finland – Poland	Paper	404,000
	Finland - Germany	Mineral Fuels & Oils	347,000
Northbound	Latvia – Germany	Wood Products	325,000
	Latvia – Finland	Wood Products	1,257,000
	Lithuania – Latvia	Mineral Fuels & Oils	825,000
	Lithuania – Estonia	Mineral Fuels & Oils	599,000
	Lithuania – Finland	Wood Products	411,000
	Germany – Finland	Iron & Steel	404,000
	Poland - Lithuania	Food	305,000

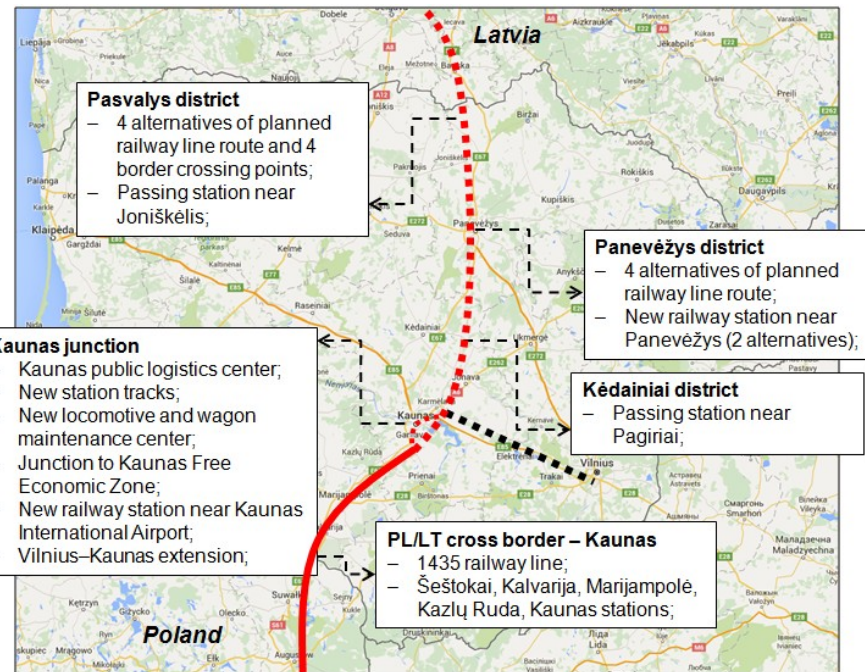
Those highlighted in red could be containerised in line with current global trends.

NB: Throughout this presentation the source is 2011 AECOM Report utilising 2008 data (EuroStat and Baltic National Statistical Services)

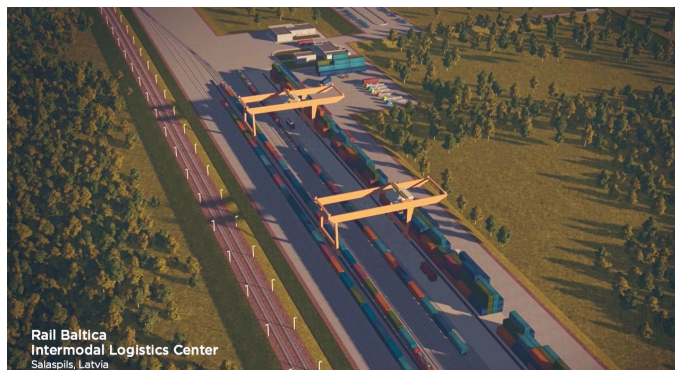
The Project - Estonia



The Project - Lithuania



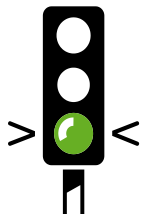
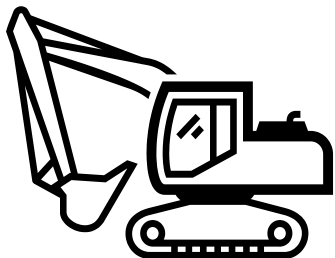
The Project - Latvia





Rail Baltica: The Benefits/Opportunities

Phases of the Project



Construction phase
2016 - 2025

Initial operation phase
2026 - 2036

Long-term operation phase
2037 - ...

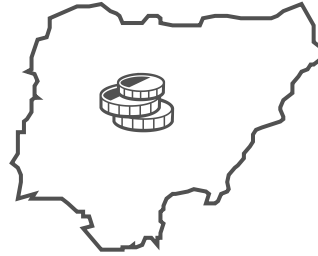
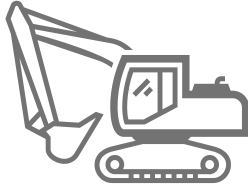
Rail Baltica in operation

Benefits/Opportunities – Construction Phase

Construction labour
daily expenditures
during the
construction period



€ ~ 8m



Land lease for
construction needs

Areas exceeding

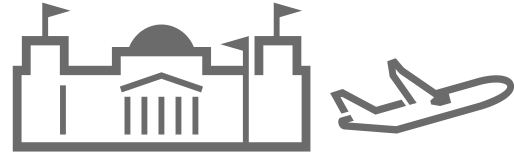
270,000 m²



Supply of local
construction materials



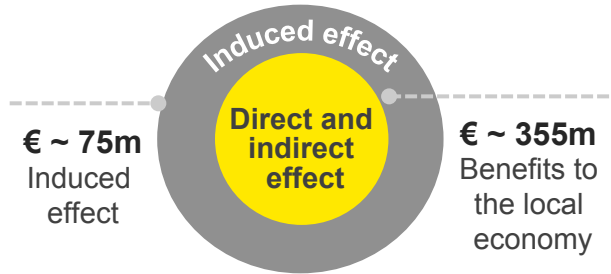
Construction of new
connecting roads and
reconstruction of old
roads



Reconstruction of Riga Central Railway
Station and construction of the
connection between the Station and
airport

Benefits/Opportunities – Construction Phase

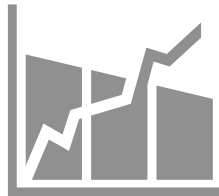
Impact on GDP



Impact on taxes

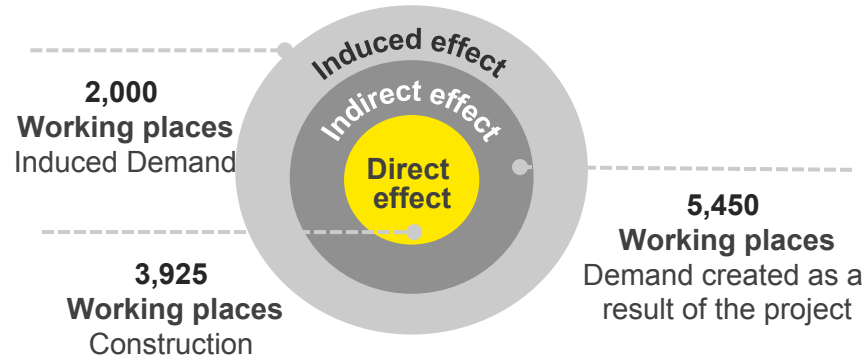


Sustainable project



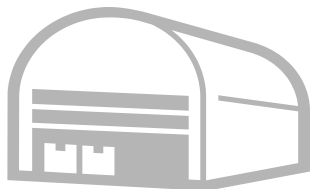
Positive cash flow ensured in long-term

Working places created



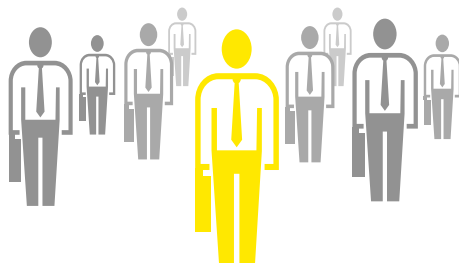
Benefits/Opportunities – Operation Phase

New depots

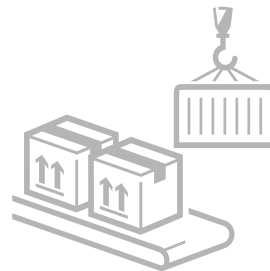


Depots in Vangaži and Acone

Regional working places

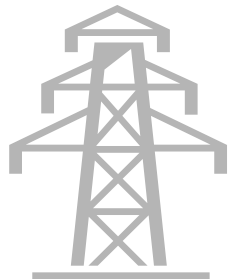


Multimodal terminal



Terminal in Salaspils

Electricity supply



- Better electricity supply
- Higher capacity ensured
- Higher electricity supply safety

Roads after completion of the construction















Better accessibility to estates



New cycle tracks

Benefits/Opportunities – Operation Phase

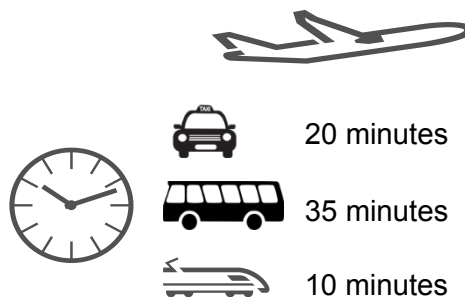
Travel time savings

	Riga- Tallinn	Riga- Kaunas	Riga- Warsaw	Riga- Berlin
	 3:57	 3:22	 8:22	 15:37
	 4:24	 3:45	 9:19	 17:22
	 1:55	 1:39	 4:04	 7:36
Time saved	2 – 2.5 h	1,5 - 2 h	4 - 5 h	8 – 9.5 h

Cumulative project time savings



Travel time from/to Airport to/from Riga Centre



Benefits/Opportunities – Operation Phase

Effects on environment

Air pollution



Air pollution cost savings

€ ~504m

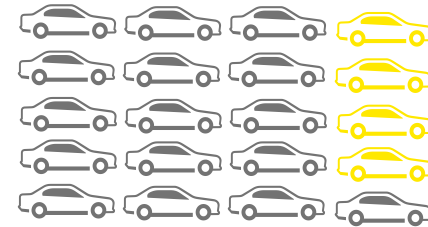
Climate changes



Climate change cost savings

€ ~353m

Traffic congestion



 ~ 1,433,000 cars per year

 ~ 730,000 heavy vehicles per year

Benefits/Opportunities – Operation Phase

Benefits to tourism industry



Additional income

€ ~ 577m

Including



Incremental
airport earnings



Incremental
duty-free
earnings

Cheaper freight transportation



About **15%**
cheaper than road
transport

Q/A

THANK YOU!

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