

**INTRODUCTION OF COMBINED TRANSPORT INTEGRAL
TECHNOLOGY WITHIN THE RAIL GAUGE OF 1520 MM**

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Combined transport (con trailer) concept

Problems with road transport.



Combined transport (contrailer) concept

Traffic jams in Moscow region.
Administrative restrictions.



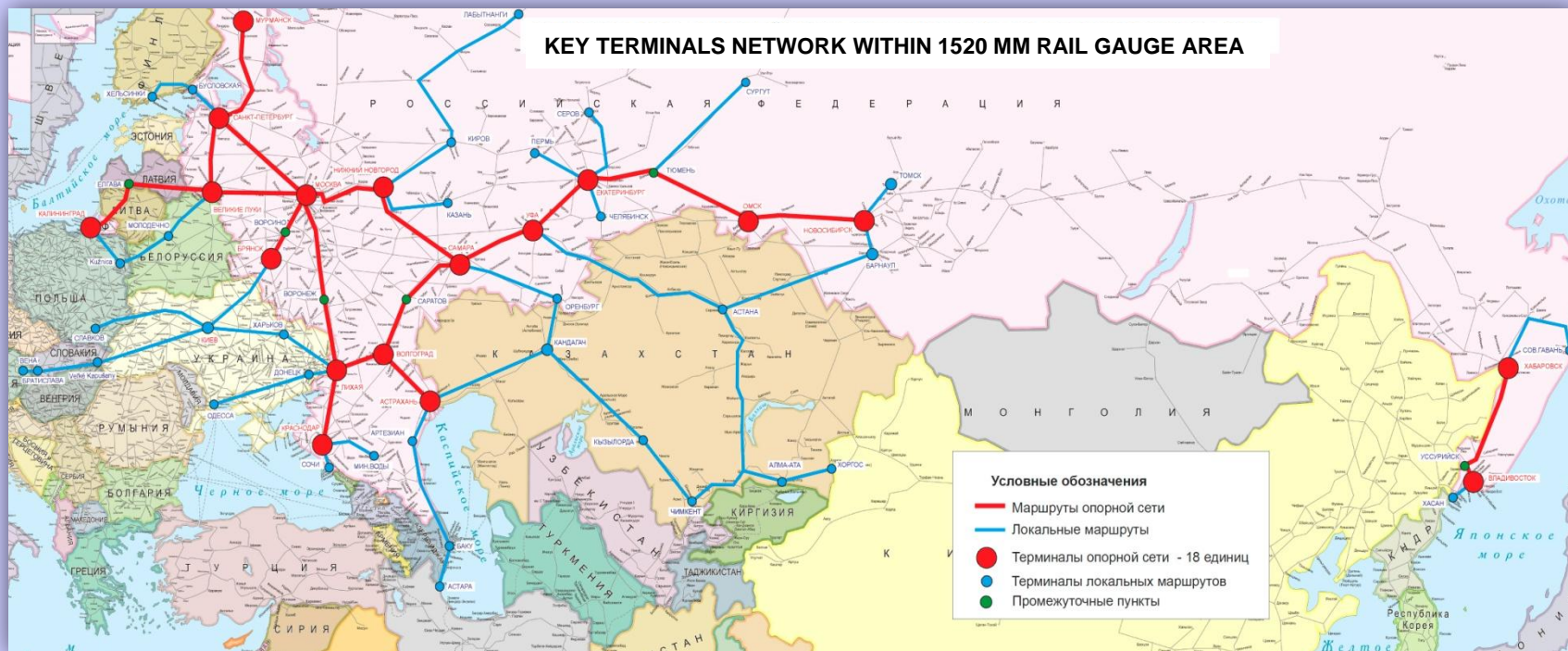
Combined transport (contrailer) concept

Possible solutions

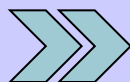


Combined transport (contrailer) concept

GENERAL LAYOUT



Setting up of **key terminals** network:



Astrakhan, Bryansk, Velikie Luki, Vladivostok, Volgograd, Kaliningrad, Krasnodar, Likhaya, Moscow, Murmansk, Nizhny Novgorod, Novosibirsk, Samara, St. Petersburg, Ufa, Khabarovsk

Combined transport (contrailer) concept

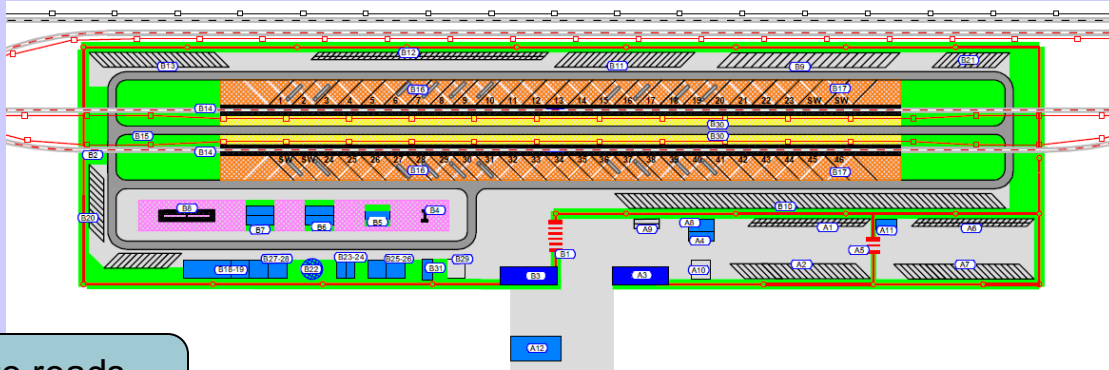
GENERAL LAYOUT



TYPES OF INTERMODAL LOAD UNITS PROCESSED

Combined transport (contrailer) concept

GENERAL LAYOUT



Rail tracks & auto roads,
cargoes handling areas

Electricity & water supply,
sewage, communications
etc.

Lifting equipment, IT &
security systems,
weight/size control, etc.

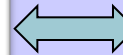
technological

engineering

commercial

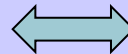
COMBINED TRANSPORT TERMINAL INFRASTRUCTURE BREAKDOWN

Combined transport (contrailer) concept



MODEL TYPE: 13-9938	
Intermodal loading units:	
Semitrailers:	
- length, mm	13 600
- max. weight, t	38
Containers:	
1A/1AA/1AAA/1EE/1EEE	34
- max. weight, t	
Max. load, t	40
Wagon weight, t	30
Wagon length, mm:	19 520
Wagon width, mm	3 200
Load bed height over rails, mm	1 100
Axleload, kN	171,6
Max. speed km/ph	120

MODEL TYPE: 13-9961	
Max. load, t	55,5
Wagon weight, t	30,5
Wagon length, mm:	21500
Wagon width, mm	3200
Load bed height over rails, mm	1100
Containers:	45" / 40" / 40" + 20" / 3 x 20"
Axleload, kN	210,7
Max. speed km/ph	120,0



Combined transport (con trailer) concept

FINANCING REQUIREMENTS AT INITIAL STAGE



Rail track construction at the terminal in Moscow transport hub (public equity) carried by RZD JSC.

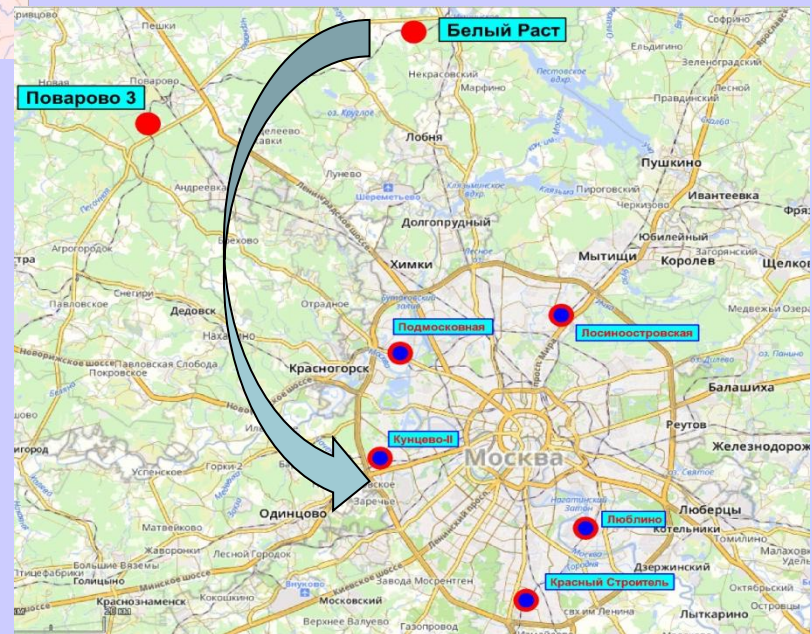
The rest of the terminal infrastructure shall be constructed at the expense of the project participants (own funds and debt financing arranged by SPV).

Con trailer terminals construction by project investors:

- Slawkuw (PL);
- Kiev (UA);
- Kaliningrad (RUS);
- Elgava (LAT);
- Moscow region (RUS)

Terminal modernization:

- Helsinki (FIN)



Combined transport (con trailer) concept

COMBINED TRANSPORT REGULATIONS HARMONIZATION AND BENEFITS

