The projects, aimed to improve infrastructure connectivity

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GROUP STRUCTURE

TRANSPORT-LOGISTICS CENTERS

VORSINO
On the border of New Moscow and Kaluga region territories

ROSVA
Kaluga region

CONTAINER OPERATOR

Freight Village RU

LOGISTICS AND INDUSTRIAL OBJECTS

COMPLEX LOGISTICS AND CUSTOMS

Individual transport-logistics decisions
Location

Freight Village of the federal format is a part of the industrial park “Vorsino” and is located on the border of New Moscow and Kaluga region.

67 km from Moscow
570 ha
350 thousand TEU per year

Advantages

• Comfortable location
• Modern infrastructure
• Class A cross-docking warehousing
Location

Transport-logistics center of the interregional format is built and is working to optimize the logistics operations of the industrial parks Grabtsevo, Rosva, Kaluga-Yug residents and other foreign economic activity participants.

180 km from Moscow

18 km from Kaluga

100 thousand TEU per year

64 ha
CONTAINER OPERATOR

Transport-logistics operator providing complex service in container cargo transportations on own and rented wagon and container fleet

Logbox

The company is providing the service of container transportations in the frame of accelerated container trains on the following directions:

- from China to Russia (import)
- from Russia to China (export)
- transit connection from China to Europe
- inner Russian connections.

2000 own and rented 80-ft. fitting platforms
3000 own and rented containers*

*C by the end of 2019
CONTAINER ROUTES VIA VORSINO

Sea Shipping
Delivery time: 50 days
Distance: 22,000 km

Far East Route
Delivery time: 35 days
Distance: 11,000 km

New Silk Route
Delivery time: 14 days
Distance: 7,750 km
CONTAINER CARGO MARKET TENDENCIES

In Russia and Moscow transport knot

The Russian container market will grow 9% per year in average from 2019 to 2026.
The Moscow transport knot in separate is expected to grow 12,2% per year.

Volume of rail container transportation in Russia, mln TEUs

Container handling volume at MTK, thsd TEUs
MEGAPOLIS DEVELOPMENT TENDENCIES

Key tendencies

- Movement of the industries, centers of consumption and entertainment to the suburbs of the cities
- Development of the industrial and logistics parks (new types of the joint infrastructures)
- Turn to the comfortable public transport development
- Formation of the comfortable and environmental city infrastructure
- Application of the new ‘smart’ technologies of the cities management
THE SATELLITE HUB

SMART TERMINAL
- Cross-docking for light-duty trucks
- Warehousing

SHATTLS («regular container trains»)
- Regular daily schedule irrespective the fallibility of the train
- The train length is suitable for the stations inside the city

FREIGHT VILLAGE // DRY PORT
- Customs operations, bonded warehouse
- Sort of containers by destination
- Container load/unload
- Train formation
«SMART LOGISTICS» TECHNOLOGY

Smart logistics – is:
- Fast cargo delivery in Moscow and the region according to the schedule
- The optimization of the client’s expenditures and time frames for last mile delivery organization
- Optimization of the list of handling operations
- To possibility for the client to choose personal transport decision
- Cooperation with the Russian railways in project realization
- The possibility of container cargo delivery in domestic Russian directions from Vorsino terminal

The technology advantages for the client:
- Regular service in organizing “last mile delivery” by railways
- Custom clearance services, warehousing
- Maximum proximity to the client’s warehouse, the possibility of cargo handling by private automobiles from the nearby stations
- Optimization of the expenditures for consignments handling and warehouses maintaining
- The reduce of container delivery waiting time

How does it work?

1. The arrival of full-length container trains (71 wagons) from import and domestic Russian directions to Vorsino terminal
2. Cargo customs clearance and containers de-consolidation
3. The cargo party formation for container shuttle (7-10 wagons) and its delivery from Vorsino terminal to Moscow and Moscow region stations, distribution terminals
4. Container de-consolidation, cargo delivery by low-tonnage transport to the destination client
5. Container smart-shuttle cargo party formation and its delivery from Moscow/Moscow region stations to Vorsino terminal
6. Container transshipment to the regular services of the container operators to be shipped to the Russian regions
The “smart logistics” test period results

Test period on the route Vorsino – Stupino – Vorsino – Stations of Russia

20.06.2019 – 25.07.2019

Test period results:
- 6 Short container trains
- 7 platforms 80"
- 14 containers 40"

Totally 334 TEUs

174 loaded TEUs
160 empty TEUs
THE PERSPECTIVE MODEL OF TRANSPORT-LOGISTICS MARKET PARTICIPANTS COOPERATION

Monitoring services

GPS/ГЛОНАСС

Cargo-owner

Digital logistics platform

Forwarders (3PL/4PL/5PL)

Carriers (2PL)

Monitoring services
Aspects of Freight Villages’ sustainable development:

- standardization of the terminal-logistics processes worldwide;
- definition of the freight villages, transport-logistics centers, container terminals and the different between it;
- the unified legal and regulatory framework on the national and international levels, establishing the relations between the participants of the terminal processes.
THANKS FOR YOUR ATTENTION!

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