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RUSSIAN TRANSPORT AND LOGISTICS SERVICES MARKET IN 2010-2011 AND FORECAST TO 2014

The size and structure of the logistics outsourcing market; freight transportation, forwarding and warehousing services

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Moscow, 2011

ABSTRACT

This survey is devoted to the analysis of the latest development trends and prospects for the Russian transport and logistics services market. The survey on this subject was conducted for the sixth time.

The work provides a detailed review of the situation in the global and Russian logistics outsourcing markets, quotes the most important performance indicators of the sector in 2009-2010 and estimates for 2011, and contains a forecast for the development of major segments of the logistics market through 2014.

The survey presents, for the first time, comparative analysis between Russia and other countries with regard to such indicators as logistics costs, size of transport and logistics market, logistics outsourcing and 3PL segment.

The section "Global Transport and Logistics Market" contains an analysis of the post-crisis recovery process in major segments of the global logistics market. The markets in the U.S., EU countries and China are studied in more detail, giving a timeline of financial results reported by major 3PL providers in 2010.

The survey of the Russian transport and logistics services is comprehensive in nature and contains a detailed analysis describing the development of major segments such as freight transportation, forwarding (including international operations), warehousing and management services, in 2010 and the first half of 2011. The review provides estimates for the logistics market size, including 2PL and 3PL segments, in volume and value terms.

The section "International Freight Transportation in Russia" contains data on the dynamics and structure of foreign trade freight traffic in 2008-2010 and the first half of 2011. The changes that occurred in the Russian container transport market, including transshipment in ports and carriage by rail, are analyzed.

The section devoted to the Russian warehousing services market analyzes supply and demand in the commercial warehousing property market in 2010, dynamics and structure of the storage and distribution services market, and trends in the development of the logistics market in metropolitan regions and other constituent entities of the Russian Federation in 2011.

A separate section includes an analysis of competitive environment, financial performance of Russian and foreign transport and logistics companies in 2009-2010, as well the market consolidation and growth prospects in the post-crisis period.

The section "Potential for Growth of the Russian Transport and Logistics Services Market in 2011-2014" contains a forecast for the development of Russia's economy and foreign trade (baseline scenario of the RF Ministry of Economic Development) and RBC.research estimates for physical and value indicators of logistics market segments up to 2014.

The survey was conducted in Sept.-Oct. 2011.

Report size – 140

The report contains 57 tables and 110 charts and diagrams.

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TABLE OF CONTENTS

Abstract	2
Table of contents	3
Summary	5
Figures	7
Tables	11
Global transport and logistics market	14
Supply and demand determinants	14
Market segments	16
Dynamics and structure of the global transport and logistics services market	16
International freight transportation.....	18
Customs brokerage services.....	21
Contract logistics.....	22
Geographical structure of the global 3PL market	23
European market	24
Dynamics and structure.....	24
Major players.....	26
Chinese market.....	29
Dynamics and structure.....	29
Governmental stimulation.....	30
Competitive environment.....	30
Russian transport and logistics market	32
Russian economy in 2010 and the first half of 2011: recovery from the crisis and growth slowdown	32
Logistics costs, transport and logistics market, 3PL services: international comparisons.....	34
Volume and structure of the logistics outsourcing market.....	37
Freight transportation market.....	43
Freight transportation dynamics and structure	43
Value of the transportation services market	47
Freight transportation by rail.....	49
Freight transportation by road	56
Freight transportation by sea.....	60
Transshipments in ports	63
Inland water transport.....	68
Freight transportation by air	71
International cargo transportaion market.....	75
Dynamics of foreign trade freight traffic.....	75
Structure of export freight traffic	77
Structure of import freight traffic	81
Freight transportation dynamics and structure by mode of transport.....	85
International container transportation.....	93
Structure of export container traffic	95
Structure of containerized import traffic.....	98
Container transshipments in ports.....	102

Container transportation by rail	107
Volume of the container transportation market.....	109
Warehousing services market.....	110
Demand for warehousing services	110
Supply of warehousing space	112
Supply and demand balance, level of rental rates.....	113
Volume and structure of the warehousing property and warehousing services market.....	114
Competitive environment	120
Impact of the crisis and post-crisis development.....	120
Activity of global 3PL providers in Russia.....	126
Leading Russian players	128
Growth potential of the Russian transportation and logistic services market in 2011-2014.....	130
Forecast for development of Russia's economy and foreign trade	130
Freight transportation market.....	132
Warehousing services market.....	135
Forecast for dynamics of the transportation and logistics services market	138

FIGURES

Figure 1. World economy dynamics in 2007-2012, %	15
Figure 2. World trade volumes, 2007-2012, %	15
Figure 3. Global transport and logistics market, 2006-2011, \$ billion	16
Figure 4. Structure of the global transport and logistics services market, 2006-2010, %	17
Figure 5. Volume of the global logistics outsourcing market and 3PL segment, 2006-2011, \$ billion	18
Figure 6. Global container transportation volumes, 2005-2011, million TEUs.....	19
Figure 7. Structure of the global container transportation market control in 2010, %	20
Figure 8. Global airfreight market, 2005-2011, \$ billion	21
Figure 9. Global market for customs brokerage services, 2005-2010, € billion, %.....	22
Figure 10. Global contract logistics market volume, 2005-2011, € billion, %.....	23
Figure 11. Leading companies in the global contract logistics market, 2009, % of market turnover	23
Figure 12. Geographical structure of the global logistics market and 3PL services segment, 2009, %.....	24
Figure 13. European transport and logistics market volume, 2006-2011, € billion, %	25
Figure 14. Revenues of TOP 12 European logistics companies, 2006-2010, € billion, %	27
Figure 15. Revenue dynamics of leading European 3PL companies, 2009 to 2008, %	27
Figure 16. Revenue dynamics of leading European 3PL companies, 2010 to 2009, %	28
Figure 17. TOP 12 European logistics companies by revenue, 2008-2010, € billion.....	28
Figure 18. Logistics costs structure in China, 2005-2009, %.....	29
Figure 19. Logistics costs in different countries of the world and Russia, 2009, % of GDP.....	35
Figure 20. Logistics outsourcing in the world and in Russia, 2009, % of transport and logistics market volume.....	36
Figure 21. Share of 3PL services in logistics outsourcing in the world and in Russia, 2009, % of transport and logistics market volume	36
Figure 22. Dynamics of the Russian transport and logistics services market (logistics outsourcing), 2007-2011, RUB billion and %	38
Figure 23. Dynamics of the Russian transport and logistics services market (logistics outsourcing), 2007-2011, US\$ billion and %	38
Figure 24. Structure of the Russian transport and logistics market by type of services, 2010, %	39

Figure 25. Growth of Russian transport and logistics services market segments, 2010 versus 2008, %	41
Figure 26. Growth of Russian transport and logistics services market segments, 2011 versus 2010, %	41
Figure 27. Structure of commercial freight transportation in Russia by mode of transport, 2010, %	44
Figure 28. Structure of commercial freight turnover in Russia by mode of transport, 2010, %	45
Figure 29. Monthly dynamics of commercial cargo transportation across of sectors of the Russian economy, January 2008 – June 2011, million tons	46
Figure 30. Dynamics of commercial cargo transportation and freight turnover across all sectors of Russian economy by mode of transport, January-June 2011 to January-June 2010, %	47
Figure 31. Value structure of the Russian freight transportation market by mode of public transport, 2009, %	48
Figure 32. Structure of the Russian transportation services market (including revenues from transshipment in ports and airports), 2010, %	49
Figure 33. Structure of tonnage handled on rail by primary types of cargo (RZD), 2010, %	50
Figure 34. Monthly dynamics of freight tonnage handled by rail (commercial transportation, excluding industrial rail transport) in Russia, January 2008 – June 2011, million tons	51
Figure 35. Rail freight rate indices in Russia, January 2008 – June 2011, % to December of the previous year	52
Figure 36. Structure of the Russian freight railcar fleet, 2009-2010, %	53
Figure 37. Largest owners of freight railcars in Russia (excluding companies belonging to RZD Holding), 2010, thousand units	54
Figure 38. Largest private operators of freight railcars in Russia (own and rented), 2010, thousand units	54
Figure 39. Structure of transportation in Russia by railcar ownership, 2005-2010, %	55
Figure 40. Dynamics of commercial cargo transportation and freight turnover in road transport across all sectors of the Russian economy, 2008–2010, million tons, billion tkm	57
Figure 41. Monthly dynamics of commercial cargo transportation by road transport across all sectors of the Russian economy, January 2008 – June 2011, million tons	58
Figure 42. Road freight rate indices in Russia, January 2008 – June 2011, % to December of the previous year	59
Figure 43. Dynamics of the value of the road freight transportation market in Russia, 2007-2010, RUB billion	60
Figure 44. Monthly dynamics of commercial sea freight transportation in Russia, January 2008– June 2011, million tons	60
Figure 45. Dynamics of commercial cargo transportation and freight turnover of sea transport in Russia, 2008–2010, million tons, billion tkm	61
Figure 46. Sea freight rate indices in Russia, January 2008 – June 2011, % to December of the previous year	62
Figure 47. Dynamics of the value of the sea freight market in Russia, 2007-2010, RUB billion	63
Figure 48. Dynamics of freight transshipment in Russian ports, 2007-2010, million tons, %	63
Figure 49. Structure of cargo handled in Russian sea ports by basin, 2010, %	64
Figure 50. Cargo transshipment volume in Russian ports distributed by major basins, 2008–2010, million tons	65
Figure 51. Monthly dynamics of commercial cargo transportation by inland water transport in Russia, January 2008 – June 2011, million tons	69
Figure 52. Commercial cargo transportation volume and freight turnover of inland water transport in Russia, 2008–2010, million tons, billion tkm	69
Figure 53. Freight rate indices for inland water transport in Russia, January 2008 – June 2011, % to December of the previous year	70
Figure 54. Dynamics of the value of the inland water freight market in Russia, 2007-2010, billion RUB	71
Figure 55. Shares of Russian airlines in the total volume of cargo and mail carried in Russia, 2010, %	73
Figure 56. Air freight rate indices in Russia, January 2008 – June 2011, % to December of the previous year	74
Figure 57. Dynamics of GDP and foreign trade freight traffic in Russia, 2006-2012, %	76
Figure 58. Dynamics of export and import freight traffic in Russia, 2007-2012, %	76
Figure 59. Export and import freight traffic in Russia, 2005-2012, million ton	77
Figure 60. Share of China in Russia's export freight traffic by commodity group, 2010, %	79
Figure 61. Distribution of Russia's export freight traffic by recipient country, 2008-2010, %	80

Figure 62. Freight traffic index for major commodity groups exported by RF, January-June 2011 to January-June 2010, %	81
Figure 63. Distribution of import freight traffic in Russia by manufacturing country, 2008-2010, %.....	84
Figure 64. Import freight traffic index for major commodity groups, January-June 2011 to January-June 2010, %	85
Figure 65. Distribution of Russia's foreign trade turnover (by the volume of cargo carried, excluding pipeline transport, via border crossings), 2010, %.....	86
Figure 66. Volume of foreign trade cargo carried by rail in Russia (export, import and transit traffic), 2007-2010, million tons.....	86
Figure 67. Dynamics of the volume of foreign trade cargo transportation by rail in Russia, 2010 versus 2009, %	87
Figure 68. Volume of export, import and transit cargo handled in Russian sea ports, 2007-2011, million tons.....	89
Figure 69. Structure of foreign trade cargo transshipped in Russian sea ports distributed by basins, 2010, million tons, %	89
Figure 70. Volume of liquid export cargo transshipments in Russian ports distributed by basins, 2009-2010 million tons.....	90
Figure 71. Volume of export dry cargo transshipments in Russian ports distributed by basins, 2009-2010, million tons.....	90
Figure 72. Volume of import dry cargo transshipments in Russian ports distributed by basins, 2009-2010, million tons.....	91
Figure 73. Volume of freight transportation by road between Russia and foreign countries, 2005-2010, million tons.....	92
Figure 74. Ratio between volumes of import and export cargo transportation on the market for international road transport, 2009-2010, %	93
Figure 75. Structure of containerized exports in Russia, 2010, %.....	95
Figure 76. Distribution of containerized export traffic from Russia in 2008-2010 by recipient country, %	98
Figure 77. Structure of containerized imports in Russia, 2010, %.....	99
Figure 78. Distribution of import container traffic to Russia by manufacturing country, 2008-2010, %.....	101
Figure 79. Dynamics of transshipment of Russian foreign trade cargoes in ports, 2005-2011, million TEUs.....	102
Figure 80. Dynamics of the Russian container market by the volume of foreign trade cargo handled in Russian and foreign ports, 2007-2011, million TEUs.....	103
Figure 81. Volume of containerized export, import and transit cargo handled in Russian sea ports, 2008-2010, thousand TEUs.....	103
Figure 82. Dynamics of container transshipment volume in Russian sea basins, 2010 versus 2009, %.....	104
Figure 83. Container transshipment volume in Russian sea basins, 2008 and 2010, thousand TEUs	105
Figure 84. Dynamics of container transshipment volumes (export, import, transit) in Russian sea basins, 2010 versus 2008, %	105
Figure 85. Distribution of transshipment of foreign trade container cargoes by Russian sea basins, 2010, %.....	106
Figure 86. Structure of traffic of large-tonnage containers carried by rail on international routes, 2007-2010, %	108
Figure 87. Value structure of the Russian container transport market by mode of transport, 2010, %.....	110
Figure 88. Dynamics of the amount of high quality warehousing space in Russia, 2008-2011, million m2.....	115
Figure 89. Amount of high quality warehousing space in Moscow, Saint Petersburg and Russian regions, 2008-2011, million m2	115
Figure 90. Regional structure of high quality warehousing space in Russia, 2010, %.....	116
Figure 91. Distribution of high quality warehousing space by Russian regions (excluding Moscow and the Moscow Region, Saint Petersburg and the Leningrad Region), June 2011, thousand m2, %.....	116
Figure 92. Dynamics of the amount of high quality commercial warehousing space in Russia, 2008-2011, million m2.....	117
Figure 93. Amount of high quality warehousing space in Moscow, Saint Petersburg and Russian regions, 2008-2011, million m2	117
Figure 94. Value of the Russian warehousing services market, 2008-2011, \$ billion.....	118
Figure 95. Dynamics of the value of the warehousing services market, 2008-2011, RUB billion, %.....	119
Figure 96. Value of the market for services provided in high quality warehouses in Moscow, Saint Petersburg and Russian regions, 2008-2010, \$ billion.....	119
Figure 97. Value of the market for services provided in high quality warehouses in Moscow, Saint Petersburg and Russian regions, 2009-2010, % versus the previous year.....	120

Figure 98. Dynamics of revenues of transportation and logistics companies operating in Russia in ruble terms, 2009 versus 2008, %	122
Figure 99. Revenues of the largest transportation and logistics companies operating in Russia, 2009-2010, \$ million ...	123
Figure 100. Dynamics of GDP, industrial production and retail turnover in Russia, 2004-2010, forecast for 2011-2014, %	130
Figure 101. Forecast for growth of freight turnover of transportation companies by mode of transport, 2010-2014, billion tkm	133
Figure 102. Forecast for growth of the Russian freight transportation market by mode of transport (including revenues from transshipment in ports and airports), 2010-2014, RUB billion	134
Figure 103. Value structure of the Russian freight transportation market by mode of transport, 2014 (forecast), %	135
Figure 104. Forecast for dynamics of the amount of high quality warehousing space in Russia, 2008-2014, million m ²	136
Figure 105. Forecast for growth of the amount of high quality warehousing space in Moscow, Saint Petersburg and Russian regions, 2011-2014, million m ²	137
Figure 106. Forecast for dynamics of the value of the Russian warehousing services market, 2008-2014, RUB billion ..	137
Figure 107. Forecast for dynamics of the value of the Russian warehousing services market, 2008-2014, \$ billion	138
Figure 108. Forecast for dynamics of the Russian market of transportation and logistics services, 2008-2014, RUB billion and %	138
Figure 109. Forecast for dynamics of the Russian market of transportation and logistics services, 2008-2014, \$ billion and %	139
Figure 110. Forecast for growth of the Russian transportation and logistics services market segments, 2010-2014, RUB billion	140

TABLES

Table 1. Global container traffic on major routes, 2008-2009, million TEUs	19
Table 2. Global logistics costs and turnover in the 3PL services segment by region, 2009, \$ billion, %	24
Table 3. Volume and structure of the European transport and logistics market by country, 2008, € billion, %	25
Table 4. Volume and structure of the European 3PL market by country, 2009, € billion, %	26
Table 5. Volume and dynamics of the Chinese logistics outsourcing market, 2005-2009, RMB billion, US\$ billion and % ..	29
Table 6. Key indicators of Russia's economic development, 2008-2010, % versus the corresponding period in the previous year	32
Table 7. Comparison of GDP, logistics costs and key indicators of transport and logistics markets in the U.S., Europe, China and Russia, 2009, \$ billion	37
Table 8. Evident risks and consequences of the economic crisis for the Russian transport and logistics services market ..	37
Table 9. Average annual exchange rate of US dollar, 2006-2011, RUB/US\$	38
Table 10. Inflation level and rail freight rates in Russia, 2006-2011, %	39
Table 11. Volume of 2PL and 3PL segments of the Russian transport and logistics services market, 2010, \$ billion, % ..	42
Table 12. Volume of the Russian 3PL market (gross and net revenue of 3PL providers), 2007-2011, \$ billion and %	42
Table 13. Dynamics of commercial freight transportation across all sectors by mode of transport in Russia, 2008-2010, million tons, %	43
Table 14. Dynamics of commercial freight turnover across all sectors by mode of transport in Russia, 2008-2010, billion tkm, %	44
Table 15. Dynamics of commercial cargo transportation and freight turnover by mode of public transport in Russia, 2009-2010, million tons, billion tkm, %	45
Table 16. Russian transportation services market value by major segments (including revenues from transshipment in ports and airports), 2007-2010, RUB billion and %	48
Table 17. Handling volumes of primary types of cargo on JSCo RZD network, 2008-2010, million tons	50
Table 18. Indexation of rail freight rates in Russia, 2006-2011, %	51
Table 19. Freight revenues (income) of JSCo RZD subsidiaries from freight transportation, 2007-2010, RUB billion	52
Table 20. Cargo transportation volume and freight turnover of road transport in Russia, 2008-2010, million tons, billion tkm	58

Table 21. Volume of freight transportation by Russian sea transport, 2007-2010, million tons	61
Table 22. Volume of freight transportation by sea transport, January-June 2010 – January-June 2011, million tons, %...	61
Table 23. Transshipment volumes in Russian sea ports (major ports and basins), 2009-2010, million tons, %	65
Table 24. Value of the Russian market for sea transportation and stevedoring services, 2008-2010, RUB million, %	67
Table 25. Cargo transportation volume and freight turnover of inland water transport in Russia, 2008-2010, million tons and billion tkm.....	68
Table 26. Cargo carried by inland water transport, January-June 2011, million tons, %.....	69
Table 27. Value of the Russian market for inland water freight transportation and stevedoring services in river ports, 2008-2010, RUB billion, %.....	71
Table 28. Ranking of the TOP 15 airlines in Russia by freight turnover and volume of cargo and mail carried, 2008-2010 (international and domestic services), million tkm, thousand tons	73
Table 29. Value of major air logistics market segments (cargo transportation), 2008-2010, RUB billion	75
Table 30. Export freight traffic volume distributed by major commodity groups, 2008-2010, million tons and %	78
Table 31. Volume of import freight traffic distributed by consolidated commodity groups, 2008-2010, million tons, %	82
Table 32. Volume of import freight traffic of mechanical engineering products in Russia, 2008-2010, thousand tons, %	83
Table 33. Volume of import freight traffic distributed by major commodity groups (4-digit TN VED codes), 2008-2010, thousand tons and %	83
Table 34. Distribution of the volume of export and import cargo transportation by rail in Russia by route, 2009-2010, million tons.....	87
Table 35. Volume of Russian foreign trade cargo handled in Russian, Baltic and Ukrainian sea ports, 2008-2010, million tons.....	88
Table 36. International container transportation in Russia, 2004-2010, million tons	94
Table 37. Volume and level of containerization of foreign trade freight traffic in Russia, 2008-2010, million tons, %	94
Table 38. Dynamics of export container traffic in Russia by consolidated commodity group, 2008-2010, thousand tons, %	95
Table 39. Dynamics of containerized export traffic from Russia by major commodity group, 2008-2010, thousand tons, %	96
Table 40. Export cargo containerization level in Russia by major commodity group, 2008-2010, %.....	97
Table 41. Dynamics of import container traffic in Russia by major commodity group, 2008-2010, thousand tons, %.....	99
Table 42. Containerization level for Russian export cargoes by major commodity group, 2008-2010, %	100
Table 43. Dynamics of containerized imports in Russia by major manufacturing country, 2008-2010, thousand tons, %.....	102
Table 44. Structure of the Russian container market by the volume of foreign trade and transit cargo handled in ports, 2008-2010, thousand TEUs, %.....	106
Table 45. Transportation of large-tonnage containers by rail on international routes, 2007-2010, thousand TEUs	107
Table 46. Dynamics of the volume of the container transportation market distributed by major segment, 2008-2010, million TEUs and %	109
Table 47. Evaluation of vacancy rates for high quality commercial warehousing space in Moscow, Saint Petersburg and Russian regions, 2010, million m2	118
Table 48. Volume of the Russian market for warehousing services provided in high quality warehouses, 2007-2010, million m2, RUB billion, \$ billion.....	119
Table 49. Revenues of major transportation and logistics companies in Russia, 2009-2010, \$ million.....	123
Table 50. M&A deals on the Russian transport and logistic services market, 2008-2011	125
Table 51. Dynamics of key macroeconomic indicators (RF MED's baseline scenario), 2008-2014, 2008=100%.....	130
Table 52. Forecast for key indicators of Russia's economic development (RF MED's baseline scenario), 2009-2014, % versus the previous year.....	131
Table 53. Forecast for dynamics of commercial freight turnover by mode of public transport in Russia, 2008- 2014, billion tkm, %.....	132
Table 54. Forecast for dynamics of the value of the freight transportation market by mode of public transport in Russia, 2008- 2014, RUB billion, %.....	133

Table 55. Forecast for changes in the value and structure of the Russian transportation services market (including revenues from cargo transshipment in ports and airports), 2010-2014, RUB billion, %.....	135
Table 56. Forecast for dynamics of the value of Russian transportation and logistics services market segments, 2008-2014, RUB billion, %.....	139
Table 57. Forecast for dynamics of the Russian market for 3PL services (gross and net revenues of 3PL providers), 2008-2014, \$ billion and %	140

GLOBAL TRANSPORT AND LOGISTICS MARKET

Supply and demand determinants

The main factors that determine the demand for integrated transport and logistics services are dynamics of the global economy and international exchange of commodities, globalization of freight flows and sophistication of delivery schemes, as well as the need to optimize transportation, storage and distribution costs.

The 2009 financial crisis inevitably took a toll on the development of the global transport and logistics market. Some of the direct consequences of the crisis were a fall in production and consumption volumes in developed economies, a reduction in freight traffic and a decline in the demand for the entire range of transport and logistics services amid economic recession.

In 2010, Asian countries played the decisive role in a relatively rapid recovery of world trade following the global 2009 crisis, and it is this region that will determine the dynamics and structure of global freight flows and demand for transport and logistics services in the years immediately ahead. However, unlike in the previous period, the most important elements in the development of these countries will be focus on expanding their own markets and stimulating domestic demand and consumption.

Extraordinary measures taken by governments of developed and developing countries have allowed the global economy to overcome the recession, but the growth is not steady yet. In 2010, the growth rate was 5.1%, with advanced economies expanding by 3.1% and developing economies by 7.3%. 2011 and 2012 are expected to see "moderate growth" and exhaustion of the "post-crisis recovery" effect.

There are still high downside risks stemming from the following factors:

- Increased fiscal and financial uncertainty, growing government debt in the Euro Area.
- Downgrading of the U.S. sovereign credit rating.
- Low domestic demand in advanced economies.
- A danger of a new investment "bubble" and inflation growth in developing countries due to massive inflow of speculative capital; emerging market economies may well suffer more adverse export conditions and even more volatile capital flows.
- Events in North Africa and Japan...

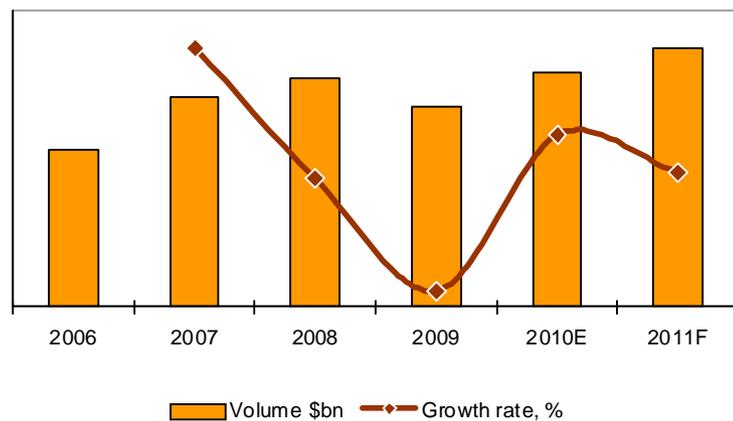
Market segments

Dynamics and structure of the global transport and logistics services market

The volume of the global transport and logistics market in 2010 is estimated at \$6.3 trillion with aggregate logistics costs of \$7.7 trillion (about 11% of global GDP)...

According to estimates by international research agencies, in the aftermath of the 2008 global crisis the growth rate of the global transport and logistics market slipped to 9% and its size shrank by 12% in 2009. In 2010, however, the market growth rate turned out to be twice as high as forecast and reached XX%...

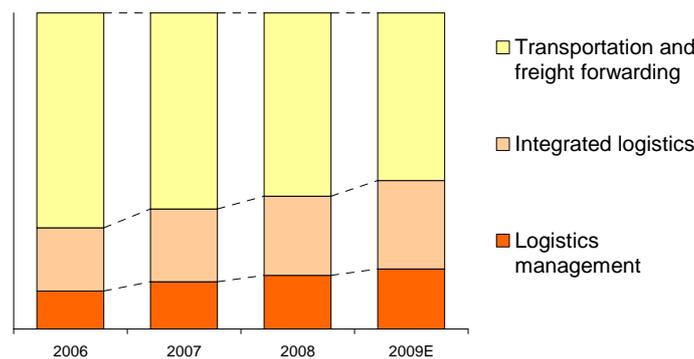
Global transport and logistics market, 2006-2011, \$ billion



Sources: Companies' data, RBC.research estimates

Logistics outsourcing (2PL, 3PL and 4PL)¹, estimated at \$XX trillion in 2010, accounts for about 55% of the world transport and logistics market volume, with 3PL and 4PL operators' services accounting... In 2010, freight transportation and warehousing services again became the key market growth driver...

Structure of the global transport and logistics services market, 2006-2010, %

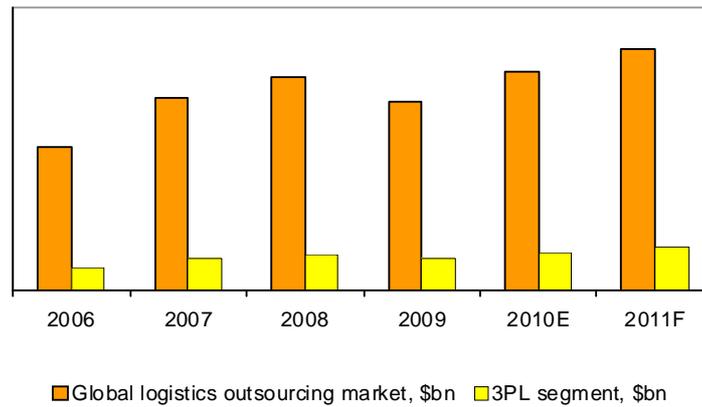


Sources: Armstrong & Associates, RBC.research estimates

According to RBC's estimates based on operating results of major logistics providers, the decline in the 3PL market in 2009 was at least XX%... In 2010, the 3PL market grew by XX% in dollar terms, gaining back the losses incurred in the crisis year and exceeding the 2008 level. The market's growth in 2011 is expected to be...

¹2PL – Second Party Logistics (outsourcing). 2PL companies offer the traditional package of services including cargo transportation and simplest storage operation management.
 3PL – Third Party Logistics. 3PL providers offer a wide range of services with a considerable value added and possible subcontracting.
 4PL – Fourth Party Logistics. The basic function of logistic system integrators is planning and coordination of client information flows and supply chain optimization, including integration of company's clients, customers and suppliers.

Volume of the global logistics outsourcing market and 3PL segment, 2006-2011, \$ billion



References: Gross revenue of 3PL providers

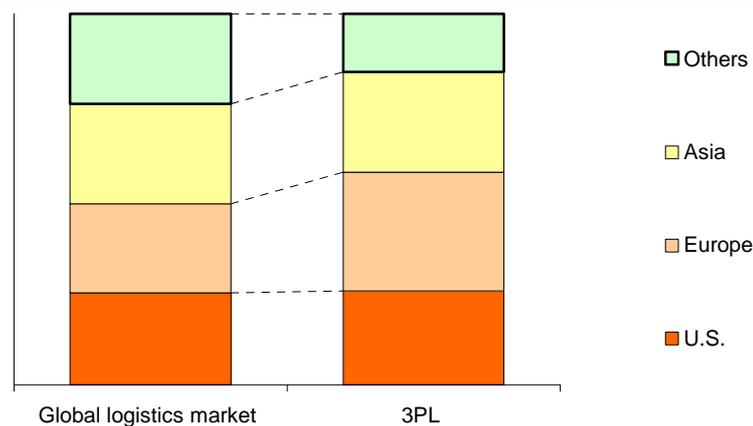
Sources: Armstrong & Associates, companies' data, RBC.research estimates

Geographical structure of the global 3PL market

According to an update from Armstrong & Associates, the most developed and mature transport and logistics market is in Europe. Ranking third in the world in the amount of logistics costs and the size of the transport and logistics market (24% in 2009), European countries contribute over 32% to global 3PL revenue...

The share of Asian countries (primarily, China) in the global 3PL market is growing. Total revenue of 3PL operators on the Asian market, including China, Japan and India, reached... The third position is held by the North American 3PL market with \$128.1 billion in 2009. However, at the country level the U.S. market remains the leader with...

Geographical structure of the global logistics market and 3PL services segment, 2009, %



Sources: Armstrong & Associates, RBC.research

RUSSIAN TRANSPORT AND LOGISTICS MARKET

The operation of Russia's transport industry in 2010 was characterized by transition from slump and stagnation to growth...In January - June 2011, the volume of commercial freight transportation by all modes of transport (excluding pipeline and non-public rail transport) and commercial turnover increased year-on-year by ...

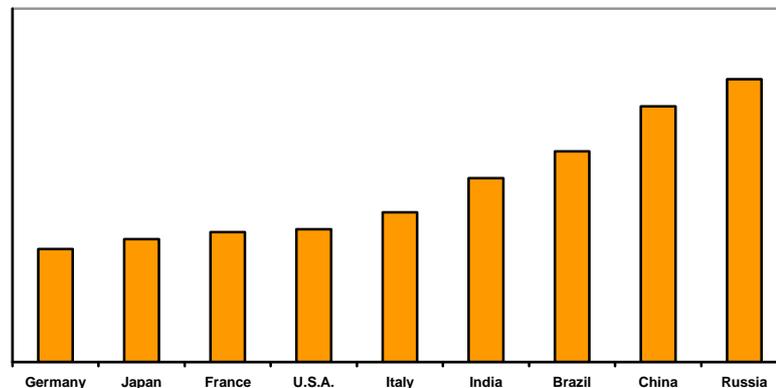
In general, the transport and logistics market managed to overcome the effects of the crisis, though the growth is not stable yet. The slow recovery of consumer and investment demand in Russia, the uncertain situation on global commodity markets, the general slowdown in growth rates of the global and Russian economy compared to 2010 will have a restraining effect on the market growth dynamics in 2011-2014...

Logistics costs, transport and logistics market, 3PL services: international comparisons

Russia stands among countries with a high level of logistics costs², which significantly impairs production and trade efficiency, negatively affects competitiveness of companies and of the country in general. The share of logistics costs in Russia's gross domestic product exceeds 20%, as compared to 18% in China, 13-15% in Brazil and India, 9.4% in the U.S., 10.6% in Italy, and 8.7% in Japan and Germany, respectively. The average global level is 11.4%.

The high level of logistics costs in Russia is mainly associated with inefficient internal logistics within companies and the national transport and logistics system in general, multiplied by huge distances and low quality of Russian roads, non-rational location of many manufacturing facilities, and archaic organization of cargo delivery from manufacturer to consumer...

Logistics costs in different countries of the world and Russia, 2009, % of GDP



Sources: *Armstrong & Associates Inc., RBC.research*

Logistics outsourcing in Russia (value of cargo transportation, forwarding, warehousing and handling services, plus management services) estimated at \$XX billion in 2009 accounts for some 30% of total transport and logistics market...

The bulk of freight transportation and warehousing services in Russia, and the more so of stock and supply chains management services, are performed by own transport and logistics units of manufacturing plants, distributors or retailers, which handle over XX% of total logistics operations.

Another peculiarity of Russia's transport and logistics market is a high share of oil and gas transportation by pipelines, with the increasing contribution of pipeline transport to market turnover. In 2010, the revenue earned by companies (predominantly by Transneft and Gazprom) from oil and gas transportation by pipelines totaled...

² Logistics costs are expenses related to logistics operations (placing purchase orders, procurement, warehousing of delivered products, in-plant transportation, interim storage, storage of finished products, shipment, outbound transportation, etc.).

Comparison of GDP, logistics costs and key indicators of transport and logistics markets in the U.S., Europe, China and Russia, 2009, \$ billion

Country	GDP	Logistics costs	Transport and logistics market volume	Logistics outsourcing	3PL services
U.S.A.
Europe
China
Russia
World

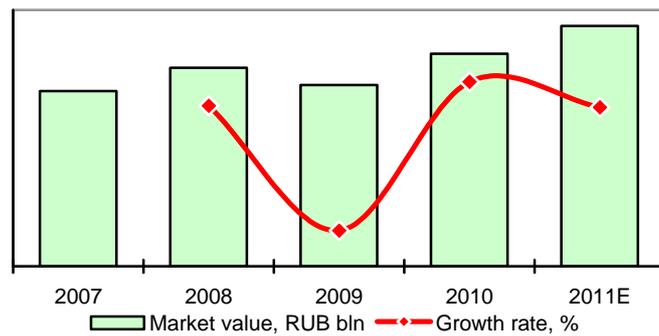
References: *Transport and logistics market volume, incl. oil and gas transportation by pipelines.*

Sources: *Armstrong & Associates Inc., KPMG, RBC.research*

Volume and structure of the logistics outsourcing market

The dynamics of physical indicators and turnover in general corresponded to trends on the global transport and logistics services market. The sharp decline in the market value measured in US dollars was caused by the fall of the ruble's exchange rate... In 2010, the market's volume not only recovered to the pre-crisis level, but even exceeded it by...

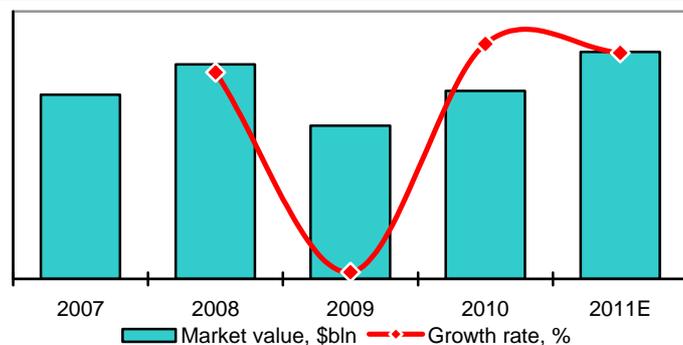
Dynamics of the Russian transport and logistics services market (logistics outsourcing), 2007-2011, RUB billion and %



References: *Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.*

Sources: *Rosstat, companies' data, RBC.research estimate*

Dynamics of the Russian transport and logistics services market (logistics outsourcing), 2007-2011, US\$ billion and %



References: *Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.*

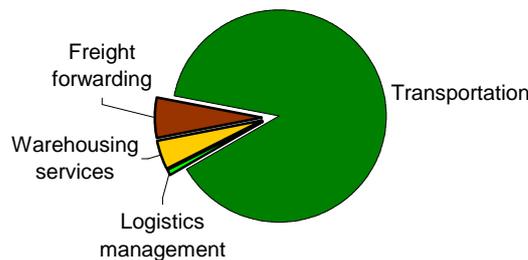
Sources: *Rosstat, companies' data, RBC.research estimate*

The main growth factor for the Russian transport and logistics services market in 2010 was an increase in freight transportation volume (primarily by rail) amid higher rates. The inflation component of the market growth rate in 2010 was no less than 10%...

The core of the logistics outsourcing market is formed by freight transportation and forwarding services (about 95% in 2010). Compared to 2008, the market structure experienced certain changes related to an increase in the share of freight transportation in the market volume and a reduction in value-added services...

The value of the transportation services market is defined as the total revenue derived by carriers from cargo transportation. The "forwarding surcharge" for cargo transportation varies between 5% and 15% and may reach 18 to 20% in international traffic.

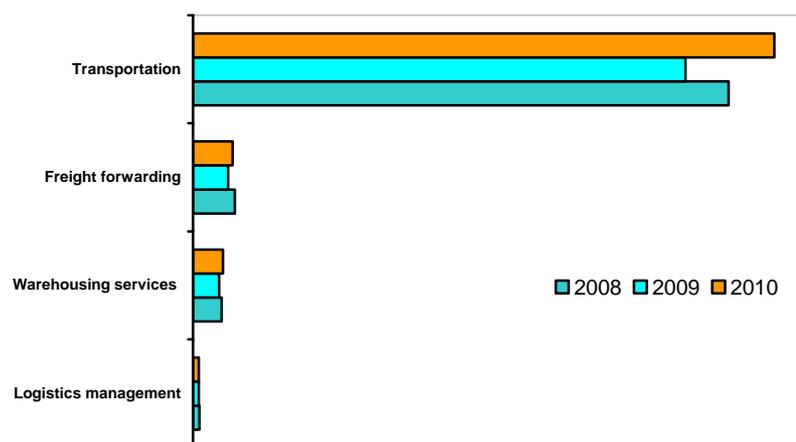
Structure of the Russian transport and logistics market by type of services, 2010, %



Source: RBC.research

The growth of freight revenues (in current rubles) in 2010, including transshipment in ports and airports, is estimated at about XX%. The highest year-on-year growth rates were recorded in rail, road and air transport. Revenues in the forwarding services segment grew by XX% on average.

Volume of Russian transport and logistics services market segments, 2008-2010, RUB billion



References: Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.

Sources: Rosstat, companies' data, RBC.research estimate

According to RBC's estimates, the growth in the warehousing services segment in ruble terms in 2010 was about XX%. This growth mainly came from rises in rental rates and a decrease in vacancy rates in Class A and B warehouses amid slack growth of supply of high quality warehouse facilities for commercial use.

The volume of the warehousing services market in value terms includes: cost of lease of storage space in commercial use, operating expenses and cost of safekeeping services. Safekeeping in quality warehouses is regarded as an integrated logistics service – from acceptance of cargo in the warehouse through to its dispatch to the client.

The total volume of the transport and logistic services market grew by XX% in 2010 compared to 2009...and value-adding segments such as forwarding and management logistics failed to overcome the effects of the crisis and restore their volumes.

Growth of Russian transport and logistics services market segments, 2010 versus 2008, %



References: Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.

Sources: Rosstat, companies' data, RBC.research estimate

According to RBC's estimates, in 2011 the growth rate of the transport and logistics services market is expected to fall to XX%... Freight turnover of transportation companies will increase by X%; as a result of rises in cargo transportation rates, revenue generated by transportation companies may grow by XX%. Approximately the same growth rates can be expected for companies providing forwarding services. Revenue in the segments of warehousing services provided in quality warehouses and management services might grow by...

The structure of the Russian logistics outsourcing market is dominated by 2PL services; the share of value added 3PL services does not exceed X%, and the share of gross revenue of logistics providers in market turnover is...

Volume of 2PL and 3PL segments of the Russian transport and logistics services market, 2010, \$ billion, %

Market segment	Total	2PL	3PL	Share 3PL, %
Freight transportation
Freight forwarding
Warehousing services
Logistics management
Total

Source: RBC.research

The low share of 3PL services in the turnover of the logistics outsourcing market is largely attributable to the existing structure of production and, accordingly, freight flows in Russia, which are characterized by domination of raw materials and semi-finished goods – hydrocarbons, ore, coal, mineral fertilizers, timber and sawn lumber. Their delivery from manufacturer to consumer (within the country or to the border) is mainly provided by rail transport under contracts with transportation and forwarding companies or carrier compa-

nies (primarily with JSCo RZD and its subsidiaries, and independent rolling stock operators) with a minimal forwarding surcharge...

Volume of the Russian 3PL market (gross and net revenue of 3PL providers), 2007-2011, \$ billion and %

Parameter	2007	2008	2009	2010	2011E
Gross revenue, \$bn
Growth rate, %
Net revenue, \$bn
Growth rate, %

Source: RBC.research

A more detailed analysis of the trends in the development of key segments of the transport and logistics market in 2009-2010 and estimates for 2011 as well as a forecast to 2014 are provided in the sections dedicated to freight transportation, warehousing logistics and market growth potential.

Competitive environment

The competitive environment in the Russian transport and logistics services market is generally determined by activities of Russian companies. However, key players in the 3PL services segment are commonly considered to be western logistics providers that have wide experience in servicing major manufacturing and trading companies on a global scale. As a rule, the scope of operations of western logistics providers on the Russian market depends on the activity of their regular customers in Russia...

According to RBC's estimates based on data of companies and National Credit Bureau, the revenues of TOP 30 transportation and logistics companies (excluding JSCo RZD) in 2010 amounted to about \$X billion³.

In terms of turnover, the leaders are Russian transport holdings that include carrier companies and port operators, which possess considerable assets in the form of vehicles, terminals, warehousing complexes and expand their business by creating (or acquiring) specialized logistics divisions operating in the 3PL segment.

The first two positions in the list of largest transportation and logistics companies (with a turnover in excess of \$950 million) are occupied by diversified transport holdings N-Trans Group and Universal Cargo Logistics Holding. The third position is held by Sovfracht-Sovtmortrans Group, which increased its turnover by nearly 30% in 2010.

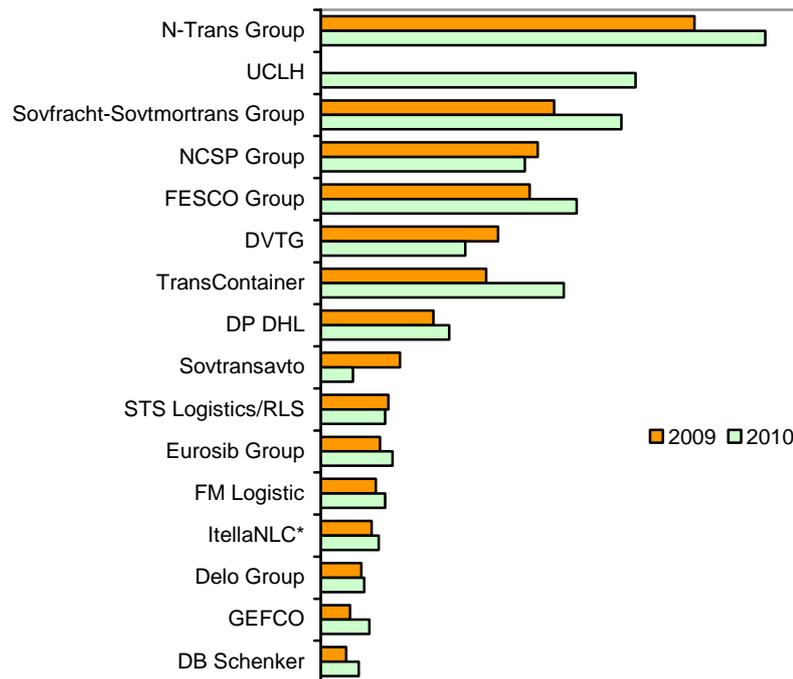
The aggregate turnover of the other three leading transport holdings (FESCO Transportation Group, DVTG and NCSP) is estimated to be within ...

The group of companies with revenues from \$100 million to \$400 million is headed by DP DHL, which managed to increase the volume of operations in Russia after a fall in turnover in 2009. Here also belong...

Most of the TOP 30 logistics companies have a turnover between \$30 million and \$100 million. According to RBC's estimates, this group also includes western 3PL providers...

³Gross revenue of transportation and logistics companies can generally include the cost of services provided by third-party carriers, including carriage by rail, which leads to double-counting of market turnover.

Revenues of the largest transportation and logistics companies operating in Russia, 2009-2010, \$ million



References: The data for foreign logistics operators include the revenues of companies registered in Russia and filing financial statements under Russian standards, translated into US dollars at the annual average exchange rate.

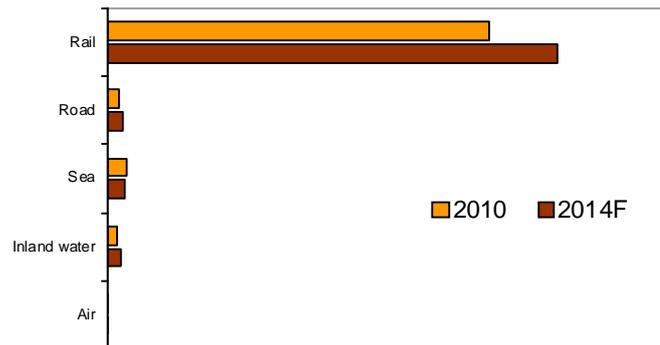
Sources: Companies' data, National Credit Bureau, RBC.research estimate

GROWTH POTENTIAL OF THE RUSSIAN TRANSPORTATION AND LOGISTIC SERVICES MARKET IN 2011-2014

Freight transportation market

The development of freight transportation market in 2011- 2014 is projected to take place amid the gradual recovery of growth rates of the economy, industrial production and physical volume of exports and relatively more dynamic growth of imports. In 2011, commercial transport will exhibit relatively high growth rates as the process of recovery of freight traffic after the crisis of 2009 is completed, but in 2012-2014 average year dynamics are projected to slow down...As before, overall dynamics of the industry will be determined by rail transport, where freight turnover growth rates, after some reduction in 2012, will reach...

Forecast for growth of freight turnover of transportation companies by mode of transport, 2010-2014, billion t-km



Sources: RF MED (September 2011 forecast), RBC.research

According to forecast by RBC.research, in 2011-2014 the value of the freight transportation market in current prices may grow from RUB X billion to RUB X billion. With revenues from cargo transshipment in ports and airports, the turnover in the Russian transportation services market in 2014 may exceed...

Forecast for changes in the volume and structure of the Russian transportation services market (including revenues from cargo transshipment in ports and airports), 2010-2014, RUB billion, %

Mode of transport	Volume, RUB bn, 2010	Share, 2010, %	Volume, RUB bn, 2014F	Share, 2014, %	2014/2010, %
Rail
Road
Sea
Inland water
Air
Cargo transshipment at air and water ports
Total
Freight transportation

Source: RBC.research

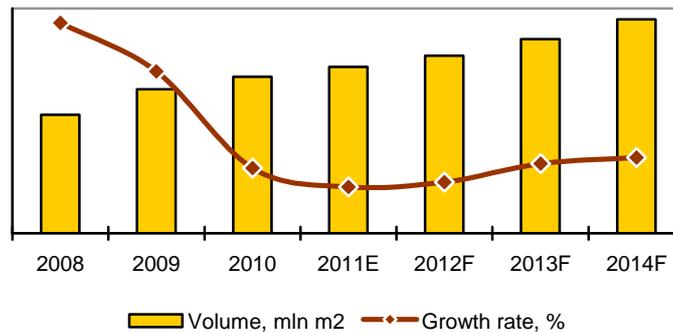
Warehousing services market

The development of the Russian market of quality warehouse property and storage and warehousing and distribution services in 2011-2014 will be determined by the following factors:

- ✓ In spite of the fact that the market was showing stable growth throughout 2010, developers started to display activity only in the second half, when it became clear that rental rates had approached a level that could ensure an acceptable payback period for new properties. As a result..
- ✓ The outrunning growth of absorption volume alongside the low rate of commissioning of new projects will lead to further reduction of vacancy and rise of rental rates...
- ✓ A relatively slow growth in the amount of new warehouse completions in 2012-2013 will be associated with the long cycle of creation of new warehousing complexes (14-18 months). Since there was no new construction almost in all regions except the metropolitan area, significant growth of supply on the lease market can be expected only...

- ✓ The share of logistics operators in the structure of demand on the lease market is expected to continue its...
- ✓ The bulk of the supply in 2012-2014 will remain concentrated in the Moscow Region, given the high potential of the metropolitan market where the demand for warehouse property and 3PL services, including storage, distribution and supply chain management, is concentrated...

Forecast for dynamics of the amount of high quality warehousing space in Russia, 2008-2014, million m2

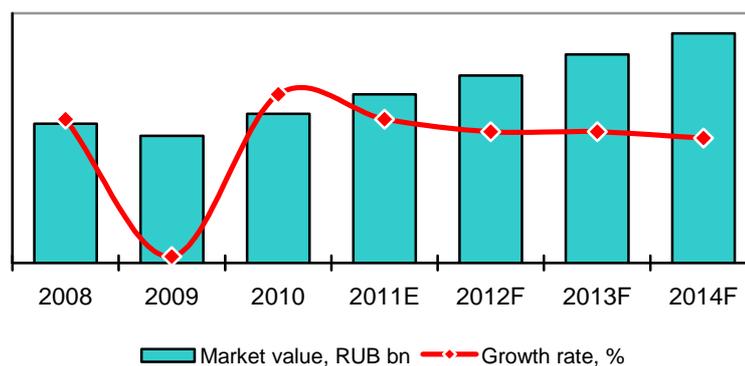


Source: RBC.research

Forecast for dynamics of the transportation and logistics services market

According to estimates by RBC.research, taking account dynamics of freight turnover and tariff component of freight transport as well as changes in the demand and rental rates in the warehousing segment, the growth rate of the transport and logistics market in 2012-2014 may amount to 10-11% per year, and in 2014 the market volume will exceed the 2010 level by 54%.

Figure 1. Forecast for dynamics of the Russian market of transportation and logistics services, 2008-2014, RUB billion and %

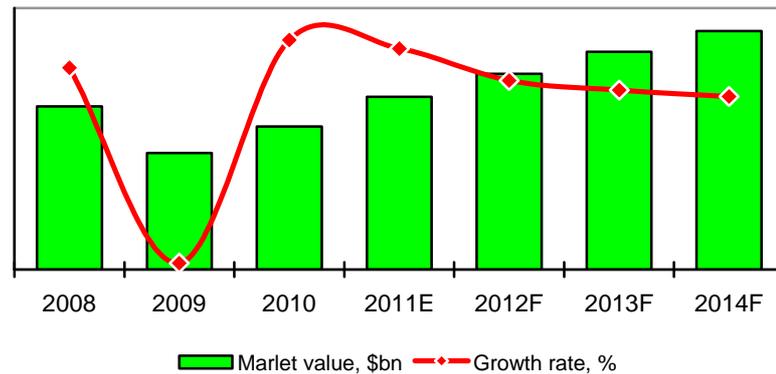


References: Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.

Source: RBC.research estimate

According to the calculated average annual exchange rate of the ruble against the dollar for the forthcoming years (forecast by the RF MED), in 2014 the volume of the market of transportation and logistics services in dollar units may increase by...

Forecast for dynamics of the Russian market of transportation and logistics services, 2008-2014, \$ billion and %



References: Including revenues of cargo handling at airports and ports, and independent private rail operators, in current market prices.

Source: RBC.research estimate

Forecast for dynamics of the value of Russian transportation and logistics services market segments, 2008-2014, RUB billion, %

Market segment	Parameter	2008	2009	2010	2011E	2012F	2013F	2014	2014/2010, %
Cargo transportation	RUB billion	...	...	...	...	...	...	...	...
	Index, %	...	...	...	...	...	...	...	...
Freight forwarding	RUB billion	...	...	...	...	...	...	...	...
	Index, %	...	...	...	...	...	...	...	...
Warehousing and distribution services	RUB billion	...	...	...	...	...	...	...	...
	Index, %	...	...	...	...	...	...	...	...
Logistics management	RUB billion	...	...	...	...	...	...	...	...
	Index, %	...	...	...	...	...	...	...	...
Russian transport and logistics services market	RUB billion	...	...	...	...	...	...	...	...
	Index, %	...	...	...	...	...	...	...	...

References: Cargo transportation incl. transshipment at air and water ports, in current prices

Source: RBC.research estimate