



STATE JOINT STOCK COMPANY  
**LATVIJAS DZELZCEĻŠ**  
LATVIAN RAILWAY

# BASIC PERFORMANCE INDICATORS

# 2011

2012  
Economics Unit  
Marketing Communication Unit



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# 1. SJSC "Latvijas dzelzceļš" - infrastructure manager

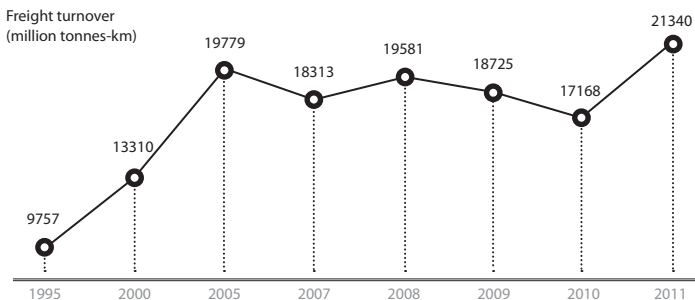
## 1.1. Passenger service

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Total passenger km (million)	5366	1256	715	894*	983*	951*	756**	749**	741
2	<i>including domestic traffic</i>	3327	779	568	800	889	865	686	670	662
3	Total passengers (thousand)	144500	42296	18188	25947*	27430*	26767*	21555**	20856**	20494
4	<i>including domestic traffic</i>	129012	39096	17502	25569	27042	26401	21256	20518	20159
	Average passenger journey (km)									
5	<i>including suburban traffic (electric trains)</i>	26,0	20,6	22,6	24,5	24,7	24,5	25,7	25,6	25,7
6	domestic traffic (diesel trains)	•	126,0	71,7	79,7	94,1	95,9	87,1	92,3	95,7

\* - JSC "Pasažieru vilciens" (national traffic) and JSC "Starptautiskie pasažieru pārvadājumi" (international traffic)

\*\* - since 01.03.2009. - JSC "Pasažieru vilciens" un Ltd. "LDz CARGO"

## 1.2. Freight shipments

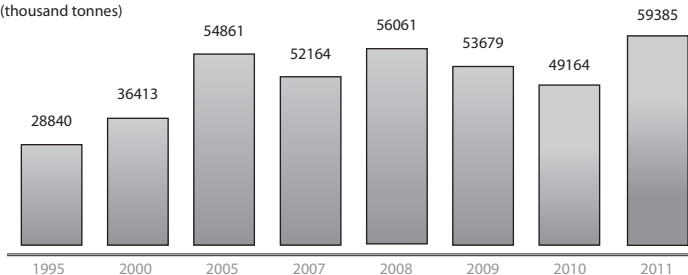


No	Indicators	1995	2000	2005*	2007	2008	2009	2010	2011
1	Freight turnover (million tonnes-km)	9757	13310	19779	18313	19581	18725	17168	21340
2	Total carried freight (thousand tonnes)	28840	36413	54861	52164	56061	53679	49164	59385
3	<i>including:</i> Domestic traffic	3545	1753	2633	2000	1687	1299	1262	1193
4	International traffic	25295	34660	52228	50164	54374	52380	47902	58192
5	<i>including:</i> Export	984	1936	1049	997	1410	1177	1707	1937
6	Import	2854	4000	4875	5058	4487	3019	3417	3695
7	Transit	21457	28724	46304	44109	48477	48184	42778	52560
8	including through Latvian ports	17925	25925	40600	39076	43871	45117	39056	47738

\* - The calculation methods of domestic and international (export and import) traffic volume have been changed since 2001

### 1.3. Freight shipments by type of freight

Total carried freight  
(thousand tonnes)



No	Indicators	1995	2000	2005	2007	2008	2009	2010	2011
1	Total carried freight (thousand tonnes)	28840	36413	54861	52164	56061	53679	49164	59385
2	<i>including:</i> Oil and oil products	11508	17693	21236	19342	19492	20753	17690	20465
3	Ferrous metals	3425	3989	1879	2640	2637	1755	2601	2061
4	Fertilizers	5202	6950	7037	5629	5196	3332	4357	5052
5	Timber	1312	1054	1665	1681	919	609	813	837
6	Grain and grain products	366	324	693	949	1220	1076	1068	1131
7	Coal	896	583	15592	14724	18565	18958	14980	20453
8	Sugar	•	559	322	330	251	74	219	331
9	Other	6131	5261	6437	6869	7781	7122	7436	9055

## 1.4. Basic indicators of train traffic

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Train-kilometres <b>total</b> , (thousand)	29082	18870	19367	21340	20111	20909	19601	17844	19861
1.1	<i>including</i> train-kilometres of passenger traffic (thousand)	14920	11932	9306	7609*	7449*	7518*	7038**	6292**	6397**
1.1.1	from them by types of traction: <i>diesel</i>	9016	7498	5033	3464	3492	3412	3322	3543	2159
1.1.2	<i>electric</i>	5904	4434	4273	4145	3957	4106	3716	2170	3590
1.2	Train-kilometres of freight traffic (thousand)	14162	6938	8873	11281	10339	10857	11633	10625	12631
1.3	other	•	•	1188	2450	2323	2534	930	927	833
2	Ton-kilometres gross passenger traffic (million)	8090	4755	2661	2064	2056	2130	1925	1757	1780
3	Ton-kilometres gross freight traffic (million)	35076	18131	24387	35855	32939	35270	33800	30455	36625

\* - JSC "Pasažieru vilciens" (national traffic) and JSC "Starptautiskie pasažieru pārvadājumi" (international traffic)

\*\* - JSC "Pasažieru vilciens", Ltd."LDz Cargo"and Ltd."Gulbenes-Alūksnes bānītis"

## 1.5. Railway network

### 1.5.1. Lines

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Operational length of all lines (km)	2397,3	2412,7	2331,0	2269,8	2265,0	2263,3	1884,2	1896,9	1864,7
2	Operational length of main lines (km)	2364,1	2379,5	2298,0	2236,4	2231,6	2229,9	1850,8	1863,5	1086,6
3	<i>including:</i> Double-track sections (km)	302,9	304,0	301,7	302,8	302,8	302,8	313,5	319,5	316,2
4	Total length of main line tracks (km)	2702,3	2703,6	2613,9	2569,2	2567,0	2565,3	2206,3	2201,9	2166,4
5	Sidings and depots tracks (km)	1277,2	1207,4	1064,8	896,4	830,8	835,3	818,2	815,7	810,3
6	Length of welded- rail tracks (km)	1471,0	1570,4	1638,4	1810,3	1838,9	1871,4	1881,4	1901,2	2145,7
7	Length of main lines with concrete sleepers (km)	1554,1	1626,5	1678,1	1833,0	1854,0	1933,9	1939,4	1981,5	1980,2
8	Length of main lines with hardened rails (km)	933,0	983,2	1074,3	1247,0	1275,0	1335,1	1225,7	1242,3	1260,6
9	Operational length of narrow gauge lines (km)	33,2	33,2	33,2	33,4	33,4	33,4	33,4	33,4	33,4
10	Spur tracks (km)	•	•	186,7	221,5	188,4	165,9	158,1	155,1	155,3



## 1.5. Railway network

### 1.5.2. Facilities of signalling, remote control, telecommunication, power supply and data processing (1)

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Total turnouts (number)	4469	4275	3790	3512	3113	3294	3215	3194	3175
2	Electrically interlocked turnouts (number)	2896	2863	2710	2637	2580	2546	2523	2597	2532
3	Stations equipped with electrical interlocking (number)	178	168	166	163	163	163	164	165	162
4	Automatic block system including CTC (km)	1106,4	1081,2	1046,1	1063,7	1063,7	1063,7	1054,9	1148,7	1323,34
5	Radio communication (km)	2357,4	2312,6	1989,6	1917,3	1870,2	1870,2	1784,2	1788,9	1750,31
6	Long distance shielded cable (km)	951,1	1199,8	1840,6	3190,9*	3165,5	3233,7	3211,1	3134,3	2281,60
7	Length of optical communication cable (km)	-	-	561,7	786,5	850,0	1049,0	1137,6	1251,1	1608,94
8	Total telephone customer numbers	9837	9046	7527	7499	7470	7424	7364	7256	15144
9	Hot box detection devices PONAB/DISK (number/stations)	44/25	59/28	60/30	60/29	60/29	60/29	60/29	66/70	58/58
10	Mobile electric power stations (number)	4	6	10	12	12	12	17	15	15

\* - In 2004 the accounting system has been changed

## 1.5. Railway network

### 1.5.2. Facilities of signalling, remote control, telecommunication, power supply and data processing (2)

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
11	Stationary diesel power stations (number)*	115	108	105	121	119	119	116	114	134
12	Length of catenary (km)	694,5	690,7	653,0	650,1	649,2	647,9	647,9	647,9	647,9
13	Electrified lines (km)	270,7	270,7	257,9	257,4	257,4	257,4	257,4	257,4	257,4
14	Transformer substations (number)	1610	863	692	598	599	611	619	635	624
15	Electric power consumption for operations & maintenance (million kWh/year)	147,0	114,8	85,3	52,4**	44,9	38,1	39,8	47,0	43,5
16	Servers (total number)	19	24	34	67	74	77	80	104	158
17	<i>including:</i> main frame	8	9	7	7	6	6	2	2	2
18	medium and small servers	11	15	27	60	68	71	78	102	156
19	Personal computers (number)	40	442	1457	2200	2400	2520	2550	2600	2800
20	Number of local computer networks	-	-	•	110	115	115	115	115	226

\* - Excluding power stations owned by Signalling & Communication Units

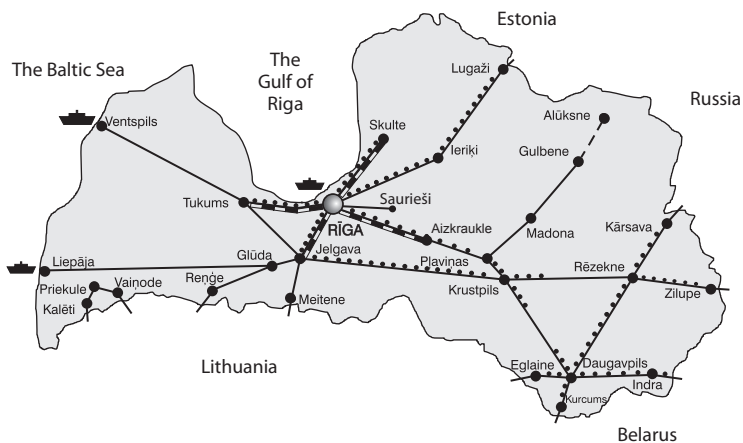
\*\* - The reducing connected with property contribution in JSC "Pasažieru vilciens" (national traffic)

## 1.5. Railway network

### 1.5.3. Railway stations

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Railway stations (siding yards) total	197	175	171	170	170	170	152	152	152
2	<i>including the following ones:</i> Passenger stations	1	1	1	1	1	1	1	1	1
3	Marshalling yards	2	2	2	2	2	2	2	2	2
4	Freight stations	30	31	30	33	33	33	33	33	33
5	Section station	5	4	4	4	4	4	4	4	4
6	Line stations	159	137	134	130	130	130	112	112	112
7	Railway stations with freight activities	122	118	83	76	76	74	74	75	75
8	Major railway junctions	6	6	6	6	6	6	6	6	6

## 1.6. Latvian rail network



- Narrow-gauge track
- Centralized train control & automatic blocking system
- ▬ Electrified sections

## 2. Indicators of “Latvijas dzelzceļš” concern

### 2.1. Tractive rolling stock

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Total diesel locomotives <i>units</i>	372	302	239	201	197	197*	196*	196*	202*
2	<i>including the following types:</i> 2TE10 <i>units</i>	15	24	24	24	24	24	23	23	23
3	M62, 2M62 <i>units</i>	146	146	110	102	102	102	102	102	102
4	ChME-3 <i>units</i>	69	67	58	55	55	55	55	55	55
5	TEP-60, 2TEP-60, TEP-70 <i>units</i>	87	56	40	17	13	13	13	13	13
6	Diesel multiple units <i>units</i>	65	63	48	1**	1	1	1	1	1
7	Electric multiple units <i>units</i>	201	183	132	-**	-	-	-	-	-
8	Diesel locomotive and Diesel multiple unit movements <i>thousand-km***</i>	43756,7	22890,7	17579,9	13993,1**	12790,0	13361,1	11271,3	10276,6	11721,9
9	Electric multiple unit movements <i>thousand-km</i>	24016,8	16291,2	11168,3	-**	-	-	-	-	-
10	Diesel fuel consumption <i>scaled tonnes</i>	207488	90398	86810	99723,8	88508,4	91453,5	73926,5	64864,6	72717,9

\* - Including 94 tandem diesel locomotives (47,7%)

\*\* - The reduction connected with property contribution in JSC “Pasažieru vilciens” (national traffic)

\*\*\* - The train and shunting movements only

## 2.2. Freight wagon fleet

No	Indicators	1990	1995	2000	2005	2007	2008	2009	2010	2011
1	Wagons available total number*	10729	10140	7326	5290	5256	5228	6043	6038	6126
2	<i>including the following types:</i> Boxcars	1956	1586	1398	1327	1294	1288	1589	1589	1589
3	Flat cars	992	1090	883	97	74	74	74	74	74
4	Gondolas	1883	1767	1462	1183	1138	1125	1125	1121	1121
5	Tank cars	2325	1813	1311	1222	1219	1217	1217	1216	1216
6	Refrigerator cars	700	603	277	112	92	88	88	68	37
7	Other	2873	3281	1995	1349	1439	1436	1950	1970	2089

\* - LDz fleet at the end of the year

## 2.3. Personal

No	Indicators	1990	1995	2000	** 2005	** 2007	*** 2008	*** 2009	*** 2010	*** 2011
1	Basic activities total <i>including the following ones:</i>	23737	20254	15319	12702	11852	13520	12215	11958	11665
2	Operations*	16747	16275	3533	•	•	•	•	•	•
3	Heavy Repairs	976	678	-	-	-	-	-	-	-
4	Construction	33	-	-	-	-	-	-	-	-
5	Laoding & Unloading	569	233	-	-	-	-	-	-	-
6	Infrastructure	-	-	6223	5223	•	•	•	•	•
7	Other	5412	3068	5563	•	•	•	•	•	•

\* - Staff accounting criteria have been changed since 1997;

In 2000 are separated the Infrastructure, Rolling Stock Department, Information & Computing Centre, Supply Department and Museum

\*\* - In 2005, 2006 and 2007 – without JSC "Pasažieru vilciens", JSC "VRC Zasulauks", JSC "Starptautiskie pasažieru pārvadājumi", "LDz apsardze" LTD

\*\*\* - In 2008 – in LDz concern

### 3. Comparative traffic data of the main transport modes in Latvia\*

Passenger journeys, million

Year	Rail	Bus	Air
2005	25,9	221,2	1,2
2006	27,4	209,4	1,6
2007	27,4	194,4	2,2
2008	26,8	183,6	2,8
2009	21,6	144,3	2,9
2010	20,9	122,3	3,4
2011	20,5	117,0	3,5

Passenger turnover, million passenger km

Year	Rail	Bus	Air
2005	894	2891	1478
2006	992	2780	2052
2007	983	2644	2766
2008	951	2517	3498
2009	756	1929	3470
2010	749	1976	4136
2011	741	1968	4113

\* - The data of the Latvian Central Statistical Bureau



### 3. Comparative traffic data of the main transport modes in Latvia\* (continuation)

Freight volumes, thousand tonnes

Year	Rail	Road	Pipe	Air
2005	54861	51525	20259	10
2006	48731	54187	14543	14
2007	52164	59905	6497	11
2008	56061	54459	5033	12
2009	53679	37820	3771	14
2010	49164	46809	5635	15
2011	59385	53064	5845	13

Freight turnover, million tonnes-km

Year	Rail**	Road	Pipe	Air
2005	19779	8547	3381	31
2006	16831	10936	3628	36
2007	18313	13142	2711	13
2008	19581	12344	2097	15
2009	18725	8115	1573	19
2010	17168	10590	2350	18
2011	21340	11629	2439	12

\* - The date of the Latvian Central Statistical Bureau

\*\* - Together with other operators

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