

## 16. Transport Infrastructure

The Czech Republic possesses one of the most advanced transport networks in Central and Eastern Europe. Its geographical position at the very centre of Europe makes it a natural crossroads for major transit corridors. An extensive network of transport routes serves not only the Czech Republic but also links the country to neighbouring and other European states, and the density of the transport network ranks the Czech Republic among the world's most advanced countries. The significance of the Czech Republic as a transit hub has grown since the Czech Republic became a member of the EU Single Market covering the area of 27 countries in Europe with 502 millions customers in total.

Transport infrastructure density (km per 1 000 km <sup>2</sup> )	Czech Republic	Hungary	Poland	Slovakia
Motorway	7	7	2	7
Railways	122	85	62	75

Source: Eurostat, Panorama of Transport, 2009 Edition

### Basic data on the transport infrastructure network in the Czech Republic

	2005	2006	2007	2008	2009	2010
<b>Length of constructed railway tracks (km)</b>						
Total	16,156	15,844	15,810	15,716	15,677	15,666
Electric	6,426	6,589	6,602	6,645	6,703	6,815
<b>Road transport infrastructure (km)</b>						
Total road and motorway network	55,510	55,585	55,595	55,654	55,719	55,752
European road network, type E	2,601	2,597	2,595	2,604	2,603	2,636
Motorways in operation	887	964	1,011	1,050	1,099	1,156
Other roads	54,623	54,621	54,585	54,603	54,620	54,596
Of which 1 <sup>st</sup> class roads	5,831	5,843	5,837	5,850	5,828	5,832
2 <sup>nd</sup> class roads	14,668	14,660	14,643	14,592	14,623	14,635
3 <sup>rd</sup> class roads	34,124	34,118	34,104	34,161	34,169	34,129
<b>Navigable waterways regularly used for transport (km)</b>						
Total length	664	664	664	664	676	676
<b>Air transport infrastructure</b>						
Total number of airports, of which:	88	89	91	91	88	91
Public International	9	9	8	7	7	7
Public Domestic	57	58	58	58	57	57
Private International	5	5	6	8	7	6
Private Domestic	13	12	13	12	11	12

Source: Ministry of Transport 2011, Transport Yearbook

### Total number of air passenger transport by state in 2010

Airport	Country	No. of passengers (arrivals + departures)
Munich	Germany	34,796,167
Vienna	Austria	19,692,656
<b>Prague</b>	<b>Czech Republic</b>	<b>11,549,433</b>
Budapest	Hungary	8,174,510
Warsaw	Poland	8,727,842
Bratislava	Slovakia	1,662,288

Source: Eurostat, 2011

## Flights from Prague per week

Amsterdam	Berlin	Brussels	Budapest	Copenhagen	Dubai	Frankfurt
45	12	36	31	28	8	55
Helsinki	Istanbul	London	Madrid	Moscow	Munich	New York
11	12	61	17	53	28	5
Oslo	Paris	Rome	Seoul	Stockholm	Vienna	Zurich
9	50	22	4	15	32	21

Source: Prague Airport, 2011

## Total elapsed time of the journey, timetable from Prague

Amsterdam	Berlin	Brussels	Budapest	Copenhagen	Dubai	Frankfurt
1:30	1:00	1:30	1:05	1:20	6:00	1:05
Helsinki	Istanbul	London	Madrid	Moscow	Munich	New York
2:05	2:25	1:55	2:50	2:25	0:50	8:50
Oslo	Paris	Rome	Seoul	Stockholm	Vienna	Zurich
2:00	1:45	1:45	10:00	1:55	0:55	1:20

Source: Czech Airlines, 2011

## Driving distances between selected cities within the Czech Republic (km)

	Brno	České Budějovice	Hradec Králové	Karlovy Vary	Liberec	Olomouc	Ostrava	Plzeň	Prague
Brno	X	219	144	337	307	81	171	298	210
Ostrava	171	386	241	504	338	105	X	464	378
Prague	210	152	124	127	112	288	378	94	X

Source: Route planner ViaMichelin, 2011

## Driving distances between Prague and major European cities (km)

Amsterdam	Athens	Barcelona	Berlin	Bern	Bratislava	Brussels	Budapest
894	1,986	1,715	361	811	338	902	530
Copenhagen	Dublin	Helsinki	Istanbul	Lisbon	London	Madrid	Marseilles
795	1,847	1,791	1,861	2,718	1,268	2,242	1,390
Milan	Munich	Oslo	Paris	Rome	Stockholm	Vienna	Warsaw
869	382	1,343	1,034	1,313	1,392	295	630

Source: Route planner ViaMichelin, 2011

## Quality of air transportation (2011)

Quality of air transportation encourages business development

<b>Germany</b>	9.05
<b>Austria</b>	8.40
<b>United Kingdom</b>	8.19
<b>Czech Republic</b>	<b>8.16</b>
<b>Hungary</b>	7.74
<b>Slovenia</b>	5.98
<b>Poland</b>	5.64
<b>Slovak Republic</b>	5.57

IMD WCY Executive Opinion Survey based on an index from 0 to 10

Source: IMD World Competitiveness Yearbook, 2011

## Logistics Performance Index (2010)

	LPI	Customs	Infrastructure	International shipments	Logistics competence	Tracking & Tracing	Timeliness
<b>Germany</b>	<b>4.11</b>	4.00	4.34	3.66	4.14	4.18	4.48
<b>UK</b>	<b>3.95</b>	3.74	3.95	3.66	3.92	4.13	4.37
<b>USA</b>	<b>3.86</b>	3.68	4.15	3.21	3.92	4.17	4.19
<b>Austria</b>	<b>3.76</b>	3.49	3.68	3.78	3.70	3.83	4.08
<b>Czech Rep.</b>	<b>3.51</b>	<b>3.31</b>	<b>3.25</b>	<b>3.42</b>	<b>3.27</b>	<b>3.60</b>	<b>4.16</b>
<b>Poland</b>	<b>3.44</b>	3.12	2.98	3.22	3.26	3.45	4.52
<b>Slovak Rep.</b>	<b>3.24</b>	2.79	3.00	3.05	3.15	3.54	3.92
<b>Hungary</b>	<b>2.99</b>	2.83	3.08	2.78	2.87	2.87	3.52

Logistics Performance Index (LPI) is the weighted average of the country scores on the six key dimensions:

**Customs:** Efficiency of the clearance process (i.e. speed, simplicity and predictability of formalities) by border control agencies, including Customs

**Infrastructure:** Quality of trade and transport related infrastructure (e.g. ports, railroads, roads, information technology)

**International shipments:** Ease of arranging competitively priced shipments

**Logistics competence:** Competence and quality of logistics services (e.g., transport operators, customs brokers)

**Tracking & Tracing:** Ability to track and trace consignments

**Timeliness:** Timeliness of shipments in reaching destination within the scheduled or expected delivery time

The scores are from one to five, one being the worst performance for the given dimension

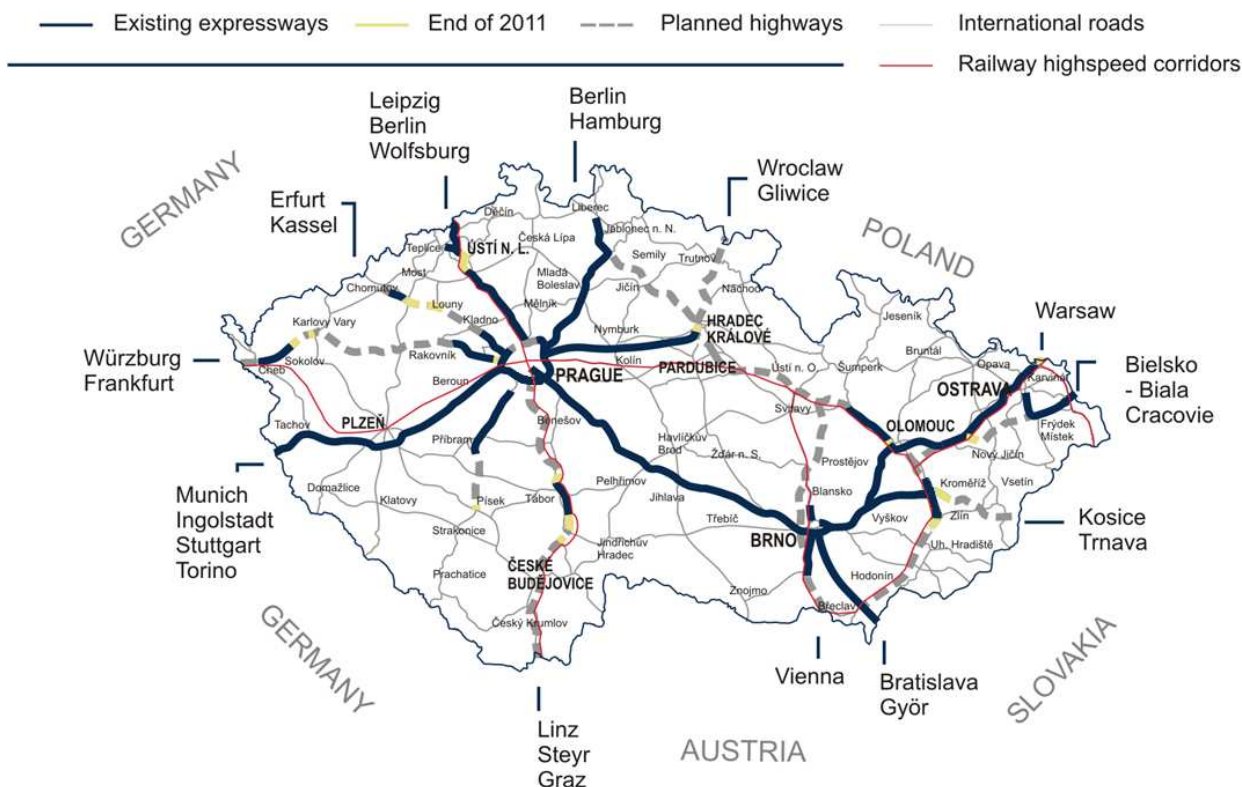
Source: The World Bank, 2011

## Density of the rail and road network, km per square km (2009)

	Roads	Railroads
<b>Austria</b>	1.28	0.06
<b>Czech Republic</b>	<b>1.66</b>	<b>0.12</b>
<b>Germany</b>	1.80	0.09
<b>Hungary</b>	2.10	0.08
<b>Poland</b>	1.35	0.06
<b>Slovak Republic</b>	0.89	0.07
<b>United Kingdom</b>	1.71	0.07

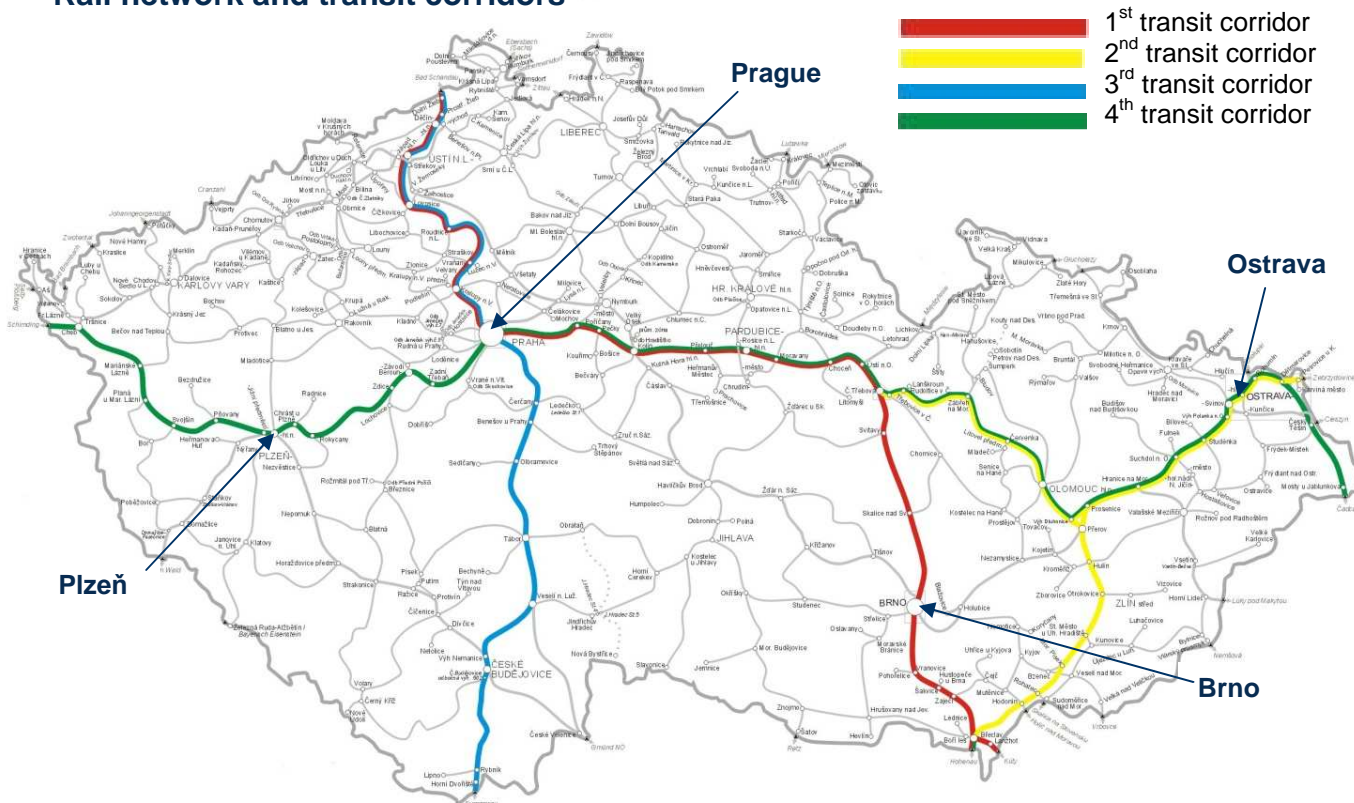
Source: IMD World Competitiveness Yearbook, 2011

## Road and Motorway Network of the Czech Republic



Source: Road and Motorway Directorate of the Czech Republic, 2011; CzechInvest 2011

## Rail network and transit corridors



Source: Czech Railways, 2011