

Moscow Parking

80,000 paid parking spaces created across the street and road network since 2012 – **just 2.7% of all** parking spaces in Moscow

8,000 parking spaces for disabled people

- **65%** less time to find a parking space

Tripled parking turnover

8 parking payment options

98% of parking sessions are paid via mobile devices

100% of paid parking revenues are spent on neighbourhood improvements¹

About **USD 0.2 billion** of paid parking revenue was distributed between district councils from 2012 to June 2018

10,000 parking spaces at park-and-ride facilities near metro and railway stations

Moscow Taxi

72,000 taxis operate in Moscow each day (including 47,000 taxis licensed in Moscow and 25,000 taxis licensed in the Moscow Region)

720,000 taxi trips in Moscow each day (a 17-fold growth vs 2010)

260 million trips made in 2017

5–7 minutes is the average pick-up time during peak hours (30 minutes in 2010)

2.7 years is the average age of a taxi

USD 7.9 is the average taxi fare (down 29% from 2015)

100% of taxi cars licensed to operate in Moscow are yellow in colour (since 1 July 2018)

384 taxi ranks with **1,329 spaces**

USD 8.6 million in subsidies has been granted by the Moscow Government for taxi car purchases since 2012 (20,000 cars purchased)

Troyka smart card and payment options

>19 mln Troyka smart cards issued

10 top-up methods

9 payment options

Moscow Transport mobile apps

6 mobile apps

3,5 mln users



¹ All amounts expressed in roubles are translated at the USD/RUB weighted average exchange rate for 2017.

Next-gen urban mobility models

Cycling infrastructure and public bicycle rental system

#1 in Europe by rides per bicycle (six rides) [page 104–107](#) (see *A City for Cyclists*)

773 km of bicycle paths and lanes (including parks and dedicated lanes)

4,300 bicycles across **430 rental stations**

130 electric bicycles (+ 130 electric bicycles each year)

2.4 million trips for the 2017 season (a 2-fold growth in the popularity of bicycle renting is expected in 2018)

About **100,000 people** participate in Moscow cycling parades each year

+1,000 new bicycles across **10 rental stations** each year

Electric scooter rental system

2,950 electric scooters

Three companies

1,300 trips per day

150,000 registrations in the system

+ 3,000 new scooters each year

Moscow Car Sharing

#1 globally in terms of growth

11,000 cars

15 operators

5.6 million trips in 2017 (a 2-fold growth in popularity is expected in 2018)

> USD 171 million of private investments in the project

+ 5,000 new shared cars each year

Pedestrian infrastructure

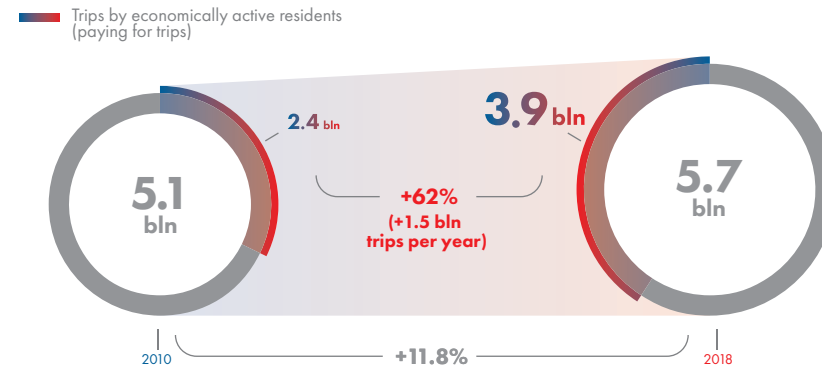
327 streets, squares, major routes, and public spaces modernised and reconstructed

150 transport schemes completed as part of reconstruction initiatives

A 2x–7x increase in pedestrian traffic due to comprehensive street improvement programmes

KEY FIGURES of Moscow Transport

Passenger traffic across all groups of citizens, trips per year



Daily passenger traffic, mln trips on a working day

	2010	2018
Moscow metro, including the MCC	8.0	8.9
Surface transport	7.2	7.6
Suburban rail services	1.5	1.9
Taxi	0.03	0.7
Car sharing*	-	0.03
Bicycle rental system	-	0.03
TOTAL	16.7	19.1

*Short-term car rental

Traffic conditions: driving speed and road safety

Vehicles registered in Moscow and the Moscow Region, mln vehicles



Unique vehicles on Moscow streets and roads, mln vehicles

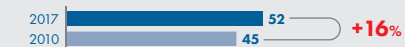


-25% road congestion in 2017 vs 2012 (according to TomTom)

Motorisation, cars per '000 people



Average transport speed, km/h



Average travel time on private vehicles from the Moscow Ring Road to the city centre, minutes



Average travel time on public transport from the Moscow Ring Road to the city centre, minutes



Average travel time to airports, minutes



Punctuality and reliability of surface transport services, %



Road accidents

Total road accidents



Year	Road accidents involving casualties	Change (%)	Public transport accidents	Change (%)
2010	11,757	-	524	-
2017	8,907	-24%	366	-30%

Road injuries



Road fatalities



Mega projects by the Moscow Government

Underground metro and MCC

🔍 **page 42–51**
(see *Unprecedented Metro and MCC Development Rates*)



555 km of metro and MCC lines by the end of 2023
256 km of new metro lines between 2011 and 2023, with 120 km already built and 136 km of new lines to be built by 2023
304 metro and MCC stations by the end of 2023
124 new stations between 2011 and 2023, with 66 stations already opened and 58 new stations to be built by 2023

New metro and MCC lines, km



MCD

New surface metro for Moscow and Moscow Region residents



🔍 **page 38–41**
(see *Moscow Central Diameters*)

446 km of rail lines | **211 stations** | **6 diameters**

A 2x increase in speed and ridership
MCD1 (Odintsovo – Lobnya) and MCD2 (Nakhabino – Podolsk) to be launched in 2019–2020

About 1,000 km the total length of surface and underground metro lines in Moscow by 2027 (a 3-fold growth)

Rolling stock and fleet replacement

between 2010 to 2017 and plans until 2023

2010–2017

	Delivered	Replaced
Metro	1,950 carriages	🔄 40%
Surface transport	9,416 vehicles	🔄 90%
Suburban rail services	2,152 carriages	🔄 40%
Taxi	47,000 vehicles	🔄 100%
Car sharing	11,000 vehicles	🔄 100%
Bicycle rental system	4,300 bicycles	🔄 100%

2018–2023

	Delivered	Replaced
Metro	3,242 carriages	🔄 82%
Surface transport	6,000 vehicles	🔄 100%
Suburban rail services	1,832 carriages	🔄 74%
Taxi	90,000 vehicles	🔄 100%
Car sharing	15,000 vehicles	🔄 100%
Bicycle rental system	4,500 bicycles	🔄 100%

🔍 **page 66–75**
(see *Record-high Rolling Stock and Fleet Replacement*)

1,800 electric buses will run on routes by the end of 2023

Moscow metro and MCC



🔍 **page 42–51**
(see *Unprecedented Metro and MCC Development Rates*)

TODAY
422 km of rail lines (including 54 km of MCC lines)
+ 136 km of lines by the end of 2023
246 stations (including 31 MCC stations)
+ 58 stations by the end of 2023
770 metro trains and **42 MCC Lastochka** trains
40% of rolling stock replaced since 2010 (**1,950** new carriages)
62% of rolling stock to be replaced by 2023 (**+ 3,242** carriages)
90 second intervals between trains during peak hours
99.98% service punctuality
100% of carriages have free Wi-Fi

The Moscow Central Circle today

54 km, 31 stations
19 transfer points to interchange to metro (+ 1 in the future)
6 transfer points to interchange to suburban rail transport (+ 4 in the future)
31 stations with transfers to surface transport
5-minute intervals between trains during peak hours (6 minutes in 2016)
+ 320,000 additional passenger seats per day
4-minute intervals between trains during peak hours in 2019 (+ 290,000 additional passenger seats per day)
450,000 trips per day
15% reduced load on the Circle metro line
20–40% reduced load on railway stations



Intelligent Transport System (ITS)



100% coverage of the city by ITS



2,059 CCTV cameras



1,943 photo and video recorders



40,000 traffic lights



3,700 speed detectors on roads

🔍 **page 80–97**
(see *Digitalisation of Moscow Transport*)

Surface transport



🔍 **page 56–65**
(see *New Convenient Surface Transport*)

TODAY
10,585 vehicles
1,010 routes
90% of fleet replaced (9,416 new vehicles since 2010)
100% of fleet to be replaced by 2023 (+ 6,000 new vehicles)
290 km of dedicated lanes
> 2.8 million trips per day in dedicated lanes
100% of vehicles have free Wi-Fi

Night route network

13 night routes: 12 bus routes and 1 tram route
24/7 operation
64 buses and **5 trams**

Magistral route network

19 high-frequency routes, **16 local** routes, and **8 specialised** routes
3–5 minute waiting time for transport in the city centre
> 500,000 trips per day (up by 30%)
809 new surface transport stops

A single standard of service for private carriers on surface public transport routes

2,000 shuttle buses across **214 city routes**
About 1 million trips each working day
+ 30% passenger places.
50% savings on travel costs
About 400,000 trips per day are made by passengers using free travel and reduced fares (unavailable before)

In the new territory of Moscow (so-called "New Moscow")

13 new routes to be launched by the end of 2018
9 new routes to be launched by the end of 2019

Moscow Transport and infrastructure today

🔍 **page 8–9**
(see *Key Public Transport Components Today*)

Moscow Transport development plans until 2023

🔍 **page 26–27**
(see *Transport System Development in 2010–2017 and Plans until 2023*)