<table>
<thead>
<tr>
<th>Page</th>
<th>Section Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>TRANSPORT IN MOSCOW TODAY</td>
</tr>
<tr>
<td>8</td>
<td>THE MOSCOW TRANSPORT STRATEGY: ACHIEVEMENTS AND PLANS</td>
</tr>
<tr>
<td>10</td>
<td>AWARDS AND RATINGS</td>
</tr>
<tr>
<td>12</td>
<td>THE RAIL FRAMEWORK OF THE MOSCOW METROPOLITAN AREA</td>
</tr>
<tr>
<td>16</td>
<td>CONVENIENT SURFACE TRANSPORT</td>
</tr>
<tr>
<td>18</td>
<td>LARGE-SCALE RENEWAL OF THE SURFACE TRANSPORT FLEET</td>
</tr>
<tr>
<td>20</td>
<td>A COMFORTABLE CITY FOR MOTORISTS</td>
</tr>
<tr>
<td>22</td>
<td>NEXT-GEN URBAN MOBILITY MODELS</td>
</tr>
<tr>
<td>24</td>
<td>ACTIVE TRAVEL</td>
</tr>
<tr>
<td>26</td>
<td>SMART SERVICES OF MOSCOW TRANSPORT</td>
</tr>
<tr>
<td>28</td>
<td>CONTACTS</td>
</tr>
</tbody>
</table>
Transport in Moscow Today

MOSCOW TRANSPORT

THE DEPARTMENT OF TRANSPORT AND ROAD INFRASTRUCTURE DEVELOPMENT OF MOSCOW

Transport policy implementation; management and control

Traffic management and control

Road traffic

MTCC – The Moscow Traffic Control Centre

Car parking

Moscow Parking

R&D and special projects

MosTransProekt

The Moscow Directorate of Transport Services

Passenger service regulation

Metro

Moscow Metro

Surface transport

Mosgortrans

Commercial carriers under governmental contracts

Suburban rail services

The Central Suburban Passenger Company

The Moscow-Tver Suburban Passenger Company

Aerofaxpress

Taxi companies

Car-sharing operators

Control and supervision

Street and road network

The Moscow Administrative Road Inspection

Transport

The Transportation Organizing Company

Procurement

The Directorate of Transport Procurement

>210,000

Moscow Transport employees are committed to helping residents and visitors to the capital comfortably move around the city every day

PASSENGER TRAFFIC ON MOSCOW TRANSPORT

Daily passenger traffic, million trips per weekday

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moscow Metro, including the MCC</td>
<td>8.0</td>
<td>9.2</td>
</tr>
<tr>
<td>Surface transport</td>
<td>7.2</td>
<td>7.4</td>
</tr>
<tr>
<td>Suburban railways, including the MCD</td>
<td>1.5</td>
<td>2.1</td>
</tr>
<tr>
<td>Taxi</td>
<td>0.03</td>
<td>1.01</td>
</tr>
<tr>
<td>Car sharing</td>
<td>0.04</td>
<td>0.23</td>
</tr>
<tr>
<td>Bike sharing</td>
<td>–</td>
<td>0.03</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>16.7</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Share of people using public transport, %

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metro</td>
<td>70</td>
<td>–</td>
</tr>
<tr>
<td>Surface transport</td>
<td>62</td>
<td>–</td>
</tr>
<tr>
<td>Total</td>
<td>132</td>
<td>–</td>
</tr>
</tbody>
</table>

Annual passenger traffic in 2019, billion trips

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moscow Metro</td>
<td>5.7</td>
<td>–</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>5.7</strong></td>
<td><strong>–</strong></td>
</tr>
</tbody>
</table>

Eco-friendly public transport

20 million trips per weekday in 2019

66% of trips are made using electric transport (13 million trips per day)

Moscow No. 1 among European cities by passenger flow in public transport
Transport in Moscow Today

The rail framework of the Moscow metropolitan area

**METRO**
- 578 km
- 238 stations
- 780 trains (15,580 cars)
- No. 1 in Europe by growth in the number of stations and length of lines since 2010 (CoMET)

**SUBURBAN RAILWAYS**
- ~2,000 km of rail lines
- 56 stations
- 10 routes
- 362 trains (3,427 cars) within Moscow

**MCDs**
- 132 km
- 60 stations
- 180 trains (1,978 cars)
- The most dense rail transport network (PwC, Quality of Living survey, 2018)

**SURFACE TRANSPORT**
- >11,000 buses, trains and electric buses
- >1,000 routes
- 351 km of dedicated lanes
- World-record growth rate in the number of electric buses on city routes (UITP, Brussels, Belgium)

**TAXI**
- 80,000 taxis operate in Moscow every day
- 153,000 permits issued since 2011
- >1,500 dedicated parking spaces for taxis
- Top 3 globally for lowest priced taxi rides (Carspring’s survey, UK, 2017)

**CAR SHARING**
- 30,000 vehicles
- 50 electric car-sharing vehicles
- 6 operators

No. 1 in Europe by growth in the number of stations and length of lines since 2010 (CoMET)

A world-record project implementation timeframe for the MCD project vs comparable projects: two years from decision to launch

Special recognition at the UITP Summit for the success of the MCC project (UITP, Montreal, Canada, 2017)

World-record growth rate in the number of electric buses on city routes (UITP, Brussels, Belgium)

Top 3 globally for lowest priced taxi rides (Carspring’s survey, UK, 2017)

No. 1 globally by the number of car-sharing vehicles (Autonut, Russia, 2020)

PwC, Quality of Living survey, 2018
Transport in Moscow Today

**E-SERVICES**
- 32.5 million Troika cards issued
- 9 payment options
- 5 mobile apps

**BICYCLE INFRASTRUCTURE**
- 6,500 bikes across 629 rental stations
- 850 km of bike paths (taking into account dedicated lanes)

**PEDESTRIAN INFRASTRUCTURE**
- 410 pedestrian facilities set up (361 km)
- >800 navigation pylons on the streets

**INTELLIGENT TRANSPORT SYSTEM (ITS)**
- 24/7 command centre at the Traffic Control Centre
- 3,000 photo and video recording systems

**ROAD INFRASTRUCTURE**
- >6,000 km of roads
- 8.2 million vehicles registered within the Moscow transport hub
- 40,000 traffic lights connected to the ITS

**SMART PARKING**
- 123,000 parking spaces at urban parking facilities
- 82,000 resident parking permits
- 8 parking payment options

**Honourable mention at the Sustainable Transport Award for reorganising the city space and improving conditions for pedestrians (Washington, USA, 2018)**

**No. 1 in Europe by the number of trips per city bike (7 rides)**

**No. 1 in Russia for road safety**

**The World’s Best Smart Ticketing System**
(Transport Ticketing Global, London, UK, 2020)

**Moscow is in the Top-3 megacities by the growth rate of road length**
(PwC, Quality of Living survey, 2018)
THE IMPLEMENTATION OF THE CURRENT STRATEGY BETWEEN 2010 AND 2020

Since 2010, the Government of Moscow has been successfully implementing its global development strategy to 2020, aimed at improving the efficiency of the Moscow transport system. The interim results of the current transport policy’s key programmes are summed up below.

<table>
<thead>
<tr>
<th>Metric</th>
<th>2010</th>
<th>2014</th>
<th>2019</th>
<th>2020 (plan)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average speed of private vehicles along the key highways on a 24/7 basis, km/h</td>
<td>54</td>
<td>54</td>
<td>54</td>
<td>54</td>
</tr>
<tr>
<td>Social risk, road fatalities per 100,000 residents</td>
<td>3.3</td>
<td>3.5</td>
<td>6.6</td>
<td>4.7</td>
</tr>
<tr>
<td>Number of passenger seats on public transport, million people per day</td>
<td>22.8</td>
<td>38.4</td>
<td>35.8</td>
<td>33.4</td>
</tr>
<tr>
<td>Rail transport stations (metro, the MCC, the MCD), units</td>
<td>320</td>
<td>320</td>
<td>182</td>
<td>520</td>
</tr>
<tr>
<td>Metro availability, proportion of people living within a radius of 1.2 km from metro</td>
<td>64.6</td>
<td>64.3</td>
<td>64.3</td>
<td>64.3</td>
</tr>
<tr>
<td>Proportion of passengers using different modes of public transport, %</td>
<td>182</td>
<td>182</td>
<td>182</td>
<td>182</td>
</tr>
<tr>
<td>Punctuality and reliability of surface transport services using dedicated infrastructure, %</td>
<td>76</td>
<td>76</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>Proportion of passengers using different modes of public transport, %</td>
<td>182</td>
<td>182</td>
<td>182</td>
<td>182</td>
</tr>
<tr>
<td>Metro availability, proportion of people living within a radius of 2.2 km from metro</td>
<td>64.3</td>
<td>64.3</td>
<td>64.3</td>
<td>64.3</td>
</tr>
</tbody>
</table>

The Moscow Transport Strategy: Achievements and Plans

THE NEW TRANSPORT STRATEGY UP TO 2023 AND BEYOND TO 2040

Moscow and its residents have identified the key focus areas for the further development of the Moscow transport system up to 2023, 2030 and beyond to 2040.

Five key focus areas

- Affordable and comfortable public transport
- Safe roads
- Healthy streets
- New modes of mobility
- Digitalisation of transport

Four key sources to identify further growth areas

- Analysis of the results of the transport policy for 2010–2020
- Assignments from the President of the Russian Federation and the Mayor of Moscow
- Public surveys (The Marathon of Ideas)
- Evaluating best practices of the world’s megacities and their applicability to Moscow

Seven key objectives

1. Increased use of public transport
2. Accessible and comfortable public transport for everyone
3. Safe and reliable public transport
4. Higher average speed of travel
5. Better affordability
6. Lower air and noise pollution
7. New modes of mobility and technological solutions
Awards and Ratings

Global awards for the successful overall transport policy of Moscow between 2016–2020

UITP
Belgium
uitp.org

The 62nd UITP Summit (Montreal, Canada, 2017): Special recognition for the comprehensive development of the Moscow transport system, including:
- the pace of network expansion and modernisation of the metro, including for the launch of the MCC
- the renewal of the surface passenger transport fleet and modernisation of the route network

INTERNATIONAL TRANSPORT FORUM (ITF)
France
itf-oecd.org

ITF (Leipzig, Germany, 2016): Passenger Transport Award for the comprehensive development and improvement of passenger services in Moscow

SUSTAINABLE TRANSPORT AWARD
USA
staward.org

2018: Honourable mention for reorganising the city space, improving conditions for pedestrians and the launch of the Magistral route network and the Moscow Central Circle

CIHT
UK
cih.org.uk

2020: Special recognition for the successful organisation of transport services for the 2018 FIFA World Cup

Rankings

No. 3 globally
- Thanks to the balanced development of its transport system, Moscow ranks in the Top-3 cities, just behind the US megalopolises
- According to the integral indicator, Moscow is one of the leading cities for transport infrastructure convenience

No. 6 globally
- Moscow is ranked on par with London, Madrid, Chicago and Seoul
- The city is demonstrating the highest rate of improvement – in 2010, it would have only been ranked the 20th on the list
- Moscow is ranked No. 1 in terms of public transport efficiency

No. 2 globally
- In 2018, Moscow climbed up to 2nd position compared to 8th in 2010
- From 2010, Moscow's index has been growing at an accelerating rate compared to other megalopolises (a sevenfold increase in absolute terms)

International and Russian experts rank Moscow among the world’s top cities for transport development.

According to the integral indicator, Moscow is one of the leading cities for transport infrastructure convenience.

In 2018, Moscow climbed up to 2nd position compared to 8th in 2010.

From 2010, Moscow’s index has been growing at an accelerating rate compared to other megalopolises (a sevenfold increase in absolute terms).
The Rail Framework of the Moscow Metropolitan Area

The Moscow Metro is No. 1 in Europe by the growth in the length of lines and the number of stations since 2010.

The Moscow Central Circle (MCC) is a megaproject by the Government of Moscow and Russian Railways. Within a world-record timeframe of two years, all construction works were completed to enable a simultaneous launch throughout the entire circle. For almost four years now, the MCC has been successfully operating in sync with the Moscow Metro.

560,000 passengers per day
4.2 times increase in the MCC throughput since launch
4 min. headway between trains during peak hours since 2019 (6 min. in 2016, 5 min. in 2017) resulting in:
460 million passengers carried in total
15% load lifted from the Circle line
20% – 40% load lifted from railway terminals

Fleet renewal, cars

2010
2012
2020
2023

3,125
4,549
+48%
+44%
+24%
+10%

59% 77%
Seat replacement
Seat replacement

759
327
26.8
2.35

199
182
162
2.56

462
30

10

26 Interchanges with the Moscow Metro
10 Interchanges with suburban railways
31 Interchanges with surface transport routes
5 Interchanges with the MCCs

THE MOSCOW METRO

The Moscow – next-generation train
Country of origin – Russia

Improved accessibility for low-mobility passengers
Digital displays
Walk-through design (+25% passenger seats)
Improved noise insulation (30% less noise)

THE MOSCOW CENTRAL CIRCLE

Since September 2016

Modern climate control systems
Video surveillance inside and outside trains
15 cm wider door openings (+12%)

Infrastructure upgrades since 2010:
• ~800 km of rails replaced
• ~200,000 sleepers replaced
• At 100 stations, entrance halls and pedestrian underpasses have been renovated
• 488 escalators repaired
• 312 new escalators

2010
2019

460
440
182
162
2.56
2.35

54
31

3,125
59%

77%
4,549

Number of seats, million seats per day
Passenger traffic, billion trips per year

2010
2020
2023

3,125
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+48%
+44%
+24%
+10%

59%
77%
Seat replacement
Seat replacement

462
30

10

The Moskva – next-generation train

Country of origin – Russia

Improved accessibility for low-mobility passengers
Digital displays
Walk-through design (+25% passenger seats)
Improved noise insulation (30% less noise)

2010
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2010
2019

460
440
182
162
2.56
2.35

54
31

3,125
59%

77%
4,549

Number of seats, million seats per day
Passenger traffic, billion trips per year
The Rail Framework of the Moscow Metropolitan Area

**The Moscow Central Diameters (MCDs)** are the new metro network for Moscow and Moscow Region residents. This major transport project is being implemented jointly by the Ministry of Transport of the Russian Federation, Russian Railways, the Government of Moscow, the Government of the Moscow Region and the Central Suburban Passenger Company.

Since 21 November 2019, the Moscow Central Diameters (MCDs) have been in operation. This major transport project is being implemented jointly by the Ministry of Transport of the Russian Federation, Russian Railways, the Government of Moscow, the Government of the Moscow Region and the Central Suburban Passenger Company.

**THE MOSCOW CENTRAL DIAMETERS**

- **132 km**
- **60 stations**
- **20 stations** with interchanges to the Moscow Metro, the MCC and radial rail routes
- **5–7 min.** headway between trains during peak hours, from 5:30 am to 1:00 am
- **Unified tickets and free transfers to the metro and the MCC**
- For **4.2 million Moscow and Moscow Region residents**

**Load lifted from metro stations**
- Kuntsevskaya: 5–12%
- Fili: 5%
- Okruzhnaya: 5%
- Tsaritsyno: 3.5%
- Komsomolskaya: 5%
- Park Pobedy: 5%
- Kiyevskaya: 5%

**Load lifted from major roads**
- Volokolamskoe highway: 5%
- Novoarbatskoe highway: 5%
- Varshavskoe highway: 5%
- Simferopolskoe highway: 5%

**Plans by 2025**
- MCD-3: Leningradsko-Kazansky
- MCD-4: Kiyevsko-Gorkovskiy
- MCD-5: Yaroslavsko-Paveletsky

**New Ivolga train for the MCDs**

- Country of origin: Russia
- 60 stations
- 132 km
- 5–7 min. headway between trains during peak hours, from 5:30 am to 1:00 am
- Unified tickets and free transfers to the metro and the MCC
- For 4.2 million Moscow and Moscow Region residents

**+2 million new passenger seats per day**
- 5–12% load lifted from metro stations
- 5% load lifted from major roads

**+550,000 passengers per day**
- Increase in the number of passengers (vs the same period prior to the launch)

**203 million people – expected annual passenger traffic**
- Load lifted from metro stations
- Load lifted from major roads

**Up to 7 billion roubles saved in total per year by passengers**
- Up to 44 min. saved per day

**15% wider doors**
- Improved accessibility for low-mobility passengers
- A smooth ride with 22% less noise
- Acceleration improved to 0.9 m/sec (+30%)
- Walk-through design
- Bicycle racks
- Media screens
- Wi-Fi connection, USB ports
- Climate control and air purification
- Toilet rooms with touch-sensitive sensors and changing tables

**Specially for Moscow!**

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**15 trains of this type (165 cars) already operate on the MCD-1 and the MCD-2**

**For 4.2 million Moscow and Moscow Region residents**

**+14% increase in the number of passengers (vs the same period prior to the launch)**
- Load lifted from metro stations
- Load lifted from major roads

**Up to 44 min. saved per day**
- Improved accessibility for low-mobility passengers
- A smooth ride with 22% less noise
- Acceleration improved to 0.9 m/sec (+30%)
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**11 cars**
- Improved accessibility for low-mobility passengers
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Today, Moscow buses, trams and electric buses operate on 1,050 routes and carry 7.4 million passengers per weekday. The development of surface transport is focused on modern infrastructure, a smart route network, and next-generation rolling stock.

**Next-generation public transport passenger shelters**
- **2,788** passenger shelters to be set up in Moscow by 2023 (25% of total; 100% of stops will be this type by 2023)

**Magistral route network**
- **22** high-frequency routes
- **18** district routes
- **9** social routes
- **Up to 3 times** shorter waiting time for buses in the city centre

**Night route network**
- The city centre never sleeps. Night-time surface transport routes connect the city centre with outer districts. Surface transport is a faster way to travel through the city centre!
- **13** night routes, including three 24-hour routes
- **68** buses and 6 electric buses on night routes
- **3,600** passengers per night - covering the city’s major routes

**The Magistral route network**
- Since October 2020

**Dedicated lanes**
- **660** routes use dedicated lanes (63% of total)
- **39%** higher speed on dedicated lanes

**Next-generation public transport passenger shelters**
- **2,788** passenger shelters to be set up in Moscow by 2023 (25% of total; 100% of stops will be this type by 2023)

**Length of dedicated lanes, km**

<table>
<thead>
<tr>
<th>Year</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>351</td>
</tr>
<tr>
<td>2010</td>
<td>11</td>
</tr>
</tbody>
</table>

**Wi-Fi connection**
- **Online display**
- **Navigation**
- **Ticket machine**
- **USB ports**

**Since October 2016**
Large-Scale Renewal of the Surface Transport Fleet

NEXT-GENERATION ELECTRIC TRANSPORT – A PRIORITY FOR THE DEVELOPMENT OF SURFACE TRANSPORT

Moscow has been gradually replacing its surface public transport fleet. The goal is to shift to modern, fast, energy-efficient, environmentally friendly, comfortable and inclusive vehicles.

The Moscow electric bus

Moscow electric bus is a next-gen, eco-friendly, fast, comfortable and safe mode of transport. From 2021, Moscow will primarily purchase electric buses for its surface passenger services.

Country of origin – Russia

Capacity – >85 passengers
Maximum speed – 70 km/h
Service life – 15 years (under a life-cycle contract)
50 km – drive range
6–10 minutes – en-route charge
24 minutes to full charge
0.96 – availability ratio (+20% vs trolleybuses)
99% schedule compliance by electric buses

Since September 2020

386 electric buses
97 charging stations
29 routes
180,000 passengers per day

No. 1 in Europe by the number of electric buses (UITP, Brussels, Belgium, 2019)
Moscow electric buses were voted the Project of the Year by the public on the Vehicle of the Year in Russia independent award platform (Russia, 2020)

Since March 2017

The Vityaz-Moskva tram

Country of origin – Russia
Life-cycle contract – 30 years

255 seats
+70% vs previous models

2010 Q2 2020 2023

Fleet renewal
New trams
535 895 360
70% 100% fleet replacement

535 new trams

Specially for Moscow!

A smooth and quite ride
Climate control
Passenger information system
Wi-Fi connection
Low noise pollution (30% less vs trolleybuses)
Low floors
Improved accessibility for low-mobility passengers
USB ports
Wide doors
Energy-efficient lighting
Climate control
Wide control
Wi-Fi connection
Low floors
Improved accessibility for low-mobility passengers
USB ports
Low noise pollution
A smooth ride
Media system
Climate control
USB ports
Wi-Fi connection

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A Comfortable City for Motorists

**INTELLIGENT TRANSPORT SYSTEM (ITS)**

Since 2014

The command centre at the Traffic Control Centre is a single point of control that manages all modern components of the ITS and road traffic in real time 24/7.

Moscow ITS

- 3,000 photo and video recording systems
- 180,000 public CCTV cameras
- 3,700 speed detectors on roads
- 40,000 traffic lights connected to the ITS

**COMMAND CENTRE**

24/7

In 2019, Moscow reached a record-high level of road safety compared to 2010

- 21% fewer road accidents involving casualties
- 42% fewer road fatalities
- 21% fewer road injuries
- 10% fewer public transport road accidents
- 5 times fewer car thefts

Twofold decrease in social risk rate since 2010

2,343 human lives saved

3.5 times fewer accident cluster sites

Traffic schemes revised along 3,500 km of the street and road network

~3,000 pedestrian crossings built or renovated

>50,000 traffic management proposals from citizens processed

100,000 road signs repaired or installed annually

915 km of new roads

295 new bridges, tunnels, and overpasses

143 new over-ground and underground pedestrian crossings

85,600 paid parking spaces within the street and road network (including 9,500, or 11%, for the disabled)

21,100 parking spaces in at-grade parking lots with lifting gates

Parking priority to local residents

- 82,000 resident parking permits

**2010–2019**

**TRAFFIC MANAGEMENT**

**2011–2019**

**NEW ROAD INFRASTRUCTURE**

**Since December 2012**

**MOSCOW’S UNIFIED PARKING SYSTEM**

- 85,600 paid parking spaces within the street and road network (including 9,500, or 11%, for the disabled)

- 5 times fewer car thefts

- 10% fewer public transport road accidents

- 3.5 times fewer accident cluster sites

- Road fatalities per 100,000 residents.

- Moscow is No. 1 in Russia for road safety

- Moscow is among the world’s top 5 cities by the number of CCTV cameras (BCG, Development of Comfortable Urban Environment in Moscow and Leading Cities Worldwide, 2018)

- Moscow is No. 1 in Russia for road safety
Moscow Taxi has celebrated its 112th anniversary. However, the revival of Moscow Taxi only started in 2011 with the adoption of a single standard for Moscow taxis to ensure a safe and seamless passenger experience. The service has become increasingly popular, with shifts in demand as Muscovites often choose taxi for last-mile journeys, short business trips or trips around the city centre.

Since 2015, Moscow’s short-term car rental system (Moscow Car Sharing) is an example of the sharing economy that offers an alternative to personal car ownership and allows users to save on the total cost of ownership.

**Number of taxi passengers, million per day**

<table>
<thead>
<tr>
<th>2019</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.01</td>
<td>0.04</td>
</tr>
</tbody>
</table>

22 times more

**Pick-up time during peak hours, minutes**

<table>
<thead>
<tr>
<th>2019</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>30</td>
</tr>
</tbody>
</table>

6 times quicker

**Average age of a taxi, years**

<table>
<thead>
<tr>
<th>2019</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7</td>
<td>5</td>
</tr>
</tbody>
</table>

2 times newer

**Average taxi fare, RUB**

<table>
<thead>
<tr>
<th>2019</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>448</td>
<td>1,000</td>
</tr>
</tbody>
</table>

2 times cheaper

**Subsidies**

Since 2011

- 52,000 taxis accredited by Moscow authorities
- 900 million roubles
- 36,500 subsidised car purchases

**Subsidies**

Since 2018

- >52.3 million roubles
- >3,600 subsidised car purchases

**Infrastructure**

- 1,546 free-of-charge taxi parking spaces at 450 parking lots
- 350 km of dedicated taxi lanes
- 30,000 cars
- >15 billion roubles of private investments in the project

**Subsidies**

Since 2019

- >52.3 million roubles
- >3,600 subsidised car purchases

**Infrastructure**

- 86,500 parking spaces free for users
- >15 billion roubles of private investments in the project

- Free parking at paid public parking spaces for users
- Pay per minute or per hour
- Maintenance and inspections
- Fuel and car wash
- Motor third party liability insurance (OSAGO)

**No. 1 globally** by the number of car-sharing vehicles (Autostat, Russia, 2020)
Active Travel

**BIKE AND E-SCOOTER SHARING SYSTEM**

Bicycles and scooters are popular last-mile transport options and an excellent way to keep fit!

Since 2013, a wide network for the rental of city bikes and e-scooters has been created, along with all necessary infrastructure for a seamless and convenient user experience.

**SPACE FOR PEDESTRIANS**

People and pedestrians are at the forefront of the entire transport system. When travelling by any mode of transport, we all become pedestrians for a minute or more when we step onto the street. Since 2011, a comfortable pedestrian environment and pedestrian connections have been developed during the reconstruction of any street, with some streets completely pedestrianised.

**Moscow has become a pedestrian-friendly city!**

**Infrastructure**

- **850 km** of bike paths and lanes on the road network and in parks (taking into account dedicated lanes), including the **9 km** bike lane on the Boulevard Ring
- **11,300** parking racks for private bikes

**Rental e-scooters**

- **3,250 e-scooters**
- **3,000** rides per day during the season
- **300 million roubles** of private investment in fleet development

**Public bicycle rental system**

- **6,511 bikes** across 629 rental stations, including:
  - **429 e-bikes**
  - **79 districts** covered (54% of Moscow)

**100,000 bike festival participants annually**

**Number of rides per season (April–October), million**

- **54 times more**
- **0.07**
- **2019**
- **2013**

**11,300** parking racks for private bikes

**Since 2013**

**Since April 2013**

**Since 2018**

**Since 2011**

**410 streets, squares, major routes and public spaces have been renovated and reconstructed since 2011 (361.5 km)**

**341 special transport schemes designed and completed**

**>800 next-generation navigation pylons on Moscow streets**

**Twice**

as often Muscovites have started to walk on the Moscow streets (in summer – 5 times more often)

**Moscow has become a pedestrian-friendly city!**

**THE 10 LONGEST RENOVATED STREETS**

- Novoslobodskaya
- Myasnitskaya
- Tverskaya
- Taganskaya
- Bolshaya Ordynka
- Bolshaya Yakimanka
- Novy Arbat
- Bolshaya Nikitskaya
- 1st Tverskaya-Yamskaya
- Bolshaya Polyanka

**Since 2018**

**Since 2013**

**Since April 2013**

**Infrastructure**

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Smart Services of Moscow Transport

Moscow Transport offers the world’s leading-edge passenger services, already successfully user-tested and recognised by a series of prestigious global awards.

Free Wi-Fi on public transport (MT_FREE) Since 2014
MT_FREE is Europe’s largest public transport Wi-Fi network. It covers all metro trains, surface transport fleets, new passenger shelters, the MCC, the MCDs, as well as all Aeroexpress trains and terminals.

100% Moscow Transport coverage
>4 million Wi-Fi sessions on Moscow transport every day

Universal travel card: Troika Since 2013
The Troika card can be used to travel by any mode of public transport, to rent a bike, and to visit museums and ice-skating rinks around Moscow. Since 2018, a loyalty programme has been in effect for cardholders on the Wallet plan.

94% passengers pay for their trips with a Troika card
>32.5 million Troika cards issued
10 top-up methods
850,000 loyalty programme users

Before end-2020, Troika will become:
• virtual
• personalised

Mobile apps Since 2014
5 mobile apps
~9 million downloads

Moscow Transport Since 2019
An integrated transport app for Moscow that combines all types of transport services on a MaaS basis

MosMetro Since 2017
Everything about the Moscow Metro, the MCC and the MCDs: a map, a journey planner, payment, information, feedback and news

Moscow Parking Since 2012
To find and pay for parking; to pay fines for traffic violations, subscription and residence permit fees; and to get information on impounded vehicles, etc.

Moscow Assistant Since 2016
For residents to report parking violations

Velobike Since 2013
To search for the nearest bike-sharing station, to plan a route, to pay for hire and to get assistance in case the bike breaks down

A smart fare collection system Since 2015
No. 1 globally for the Best Smart Ticketing System
(Transport Ticketing Global, London, UK, 2020)

9 payment options

• Troika card
• Fobs, bracelets, rings and other accessories with Troika card functionality
• Troika – Strelka (Moscow – Moscow Region) and Troika – Podorozhnik (Moscow – Saint Petersburg) integrated cards
• Co-branding partnership with banks
• Contactless bank cards

No. 12 globally
(among 704 software products) for the innovative solutions offered by the Moscow Assistant mobile app

Moscow Metro Public Wi-Fi was the world’s first high-speed data network to be installed on metro trains
(WiFi Industry Awards, USA, 2015)

Download the app

No. 1 globally
for the Best Mobile Ticket
(Mobile Ticketing World, London, UK, 2018)

Download the app

No. 12 globally
(704 software products) for the innovative solutions offered by the Moscow Assistant mobile app
**Contacts**

**MOSCOW TRANSPORT SERVICE CENTRES**

Consult these centres on any matters related to:
- public parking lots
- the operation of Moscow Transport
- fares
- appealing against administrative offence resolutions
- reclaiming impounded vehicles, etc.

**Moscow Transport's contact centre**

+7 495 539 5454
3210 (Beeline, MTS, MegaFon, Tele2)

Please contact us for any questions regarding the operation of and services provided by Moscow Transport.

**Moscow Transport Portal**

transport.mos.ru

Moscow Transport services are divided into sections for passengers, motorists and business people.

Visit the website to:
- create a personal account;
- save the data of several Troika cards at once;
- top up a Strelka card;
- check for fines, taxi licenses, or truck passes;
- find available car-sharing vehicles;
- subscribe to news and to receive personally selected information, etc.

**Moscow Transport on social media**

- t.me/DtRoad
- vk.com/transportmos
- instagram.com/mostransport
- twitter.com/DtRoad
- www.facebook.com/mostransport
- ok.ru/mostrans