MOSCOW TRANSPORT SYSTEM
2016 ANNUAL REPORT
AND STRATEGY FOR 2017
AIMS OF THE NATIONAL PROGRAM «DEVELOPING MOSCOW’S TRANSPORT SYSTEM»

Increase availability, safety, predictability of work and quality of service of public transport

Constant engagement with citizens

Increase speed of road traffic and reduction of accidents

Implement innovative technologies in the city’s transport system
MOSCOW’S ROAD TRAFFIC CONDITIONS SIGNIFICANTLY IMPROVED IN 2016

Total amount of RTA’s, ths.

- 2010: 609
- 2016: 329
- % decrease: -46%

Accomplishment of schedule by public transport, %

- 2010: 76
- 2016: 94
- % increase: +24%

Driving speed, km/h

- 2010: 45
- 2016: 51
- % increase: +13%

Loss of time due to traffic*, %

- 2012: 57
- 2016: 44
- % decrease: -23%

Moscow no longer has the worst traffic jams in the world

*Tom-Tom traffic congestion index (www.tomtom.com)  **TBD
GROWTH OF PASSENGER FLOW OF ECONOMICALLY ACTIVE CITIZENS SINCE 2010 EQUALED 1B TRIPS PER YEAR

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</thead>
<tbody>
<tr>
<td><strong>Metro</strong> Including MCC</td>
<td>8</td>
<td>8.8</td>
<td>2.35</td>
<td>2.48</td>
<td>+6%</td>
<td>+22%</td>
</tr>
<tr>
<td><strong>Surface City Public Transport</strong></td>
<td>7.2</td>
<td>7.6</td>
<td>2.3</td>
<td>2.4</td>
<td>+4%</td>
<td>+45%</td>
</tr>
<tr>
<td><strong>Intraurban and interregional</strong></td>
<td>1.5</td>
<td>1.9</td>
<td>0.48</td>
<td>0.63</td>
<td>+31%</td>
<td>+26%</td>
</tr>
<tr>
<td><strong>Suburban rail</strong></td>
<td>0.03</td>
<td>0.6</td>
<td>0.01</td>
<td>0.2</td>
<td>in 19 times</td>
<td>in 19 times</td>
</tr>
<tr>
<td><strong>Taxi</strong></td>
<td>16.7</td>
<td>18.9</td>
<td>5.1</td>
<td>5.7</td>
<td>+600 mln</td>
<td>+1B</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td>2.83</td>
<td>3.89</td>
<td>+1B</td>
<td>+37%</td>
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DEVELOPMENT OF MOSCOW METRO AND MCC

Moscow residents received the 14th line of Moscow Metro (Moscow Central Circle)

- **216** Cars purchased (1,661 cars purchased in total since 2010)
- **5** new metro stations inaugurated (23 new stations since 2010)
- **54** escalators repaired (335 repaired and 11 new installed since 2010)
- **54 km** of MCC tracks, 31 stations, 17 interchanges to metro, 10 interchanges to suburban rail
- **14** 24/7 Working hours of Centre for metro transport security (5,700 cameras, 562 servers, 510 commutators)
- **310k** trips- daily average passenger flow of MCC in weekdays since its inauguration on the 10th of September 2016
- **100 %** of metro and MCC trains are covered with Wi-Fi network (2.5 mln connections per day)

For the first time ever Moscow Metro and MCC worked around the clock on New Year’s Eve (about 400k trips)
Surface transport was entirely reorganized. The city has taken responsibility for every passenger.

**DEVELOPMENT OF SURFACE TRANSPORT**

- **721** new buses of Mosgortrans on the streets of Moscow (6,5k since 2010)
- **21.2 km** of bus lanes set-up (249 km in total)
- **53.1 km** of tram tracks reconstructed in 2016 (209.5 km reconstructed since 2010)

**Unified standard**
- 2k busses on 211 routes
- 1 mln passengers per day
- +30% new passenger seats
- Moscow city government control
- concessionary fares

**launch**
- Of new route network "Magistral": 17 high-frequency, 11 district, 7 social routes (450k passengers per day on the routes)

**In 2 times**
- Shortened the bus dwell time in the city center (from 16 till 8 minutes)

**100%**
- Surface public transport of Mosgortrans in equipped with Wi-Fi (90k connections per day)
Additional trains from Kievsky station have eased transport accessibility for inhabitants of Troitsky Prefecture and Novomoskovsky Administrative Districts and at huge interchange stations like Peredelkino and Solnechnaya (Solntsevo).

**DEVELOPMENT OF SUBURBAN TRAINS**

- **263** cars purchased (700 cars in total since 2010)
- **25k** additional passenger seats owing to extra trains on routes from Kievsky station
- **290** platforms on the stations and halt platforms repaired and rebuilt (764 platforms since 2010)
- **41 trains** of new generation «Lastochka» on suburban directions (including MCC)
- **6.6 minutes** Average headway in peak hours (previously 7.3 minutes)
- **35 trains** modernized (AC’s, new seats, new doors, chemical toilets, floor coatings and gangways)

**Implementation** of ambitious program with JSC “Russian Railways” and Moscow Region on construction of additional tracks (2012 to 2020 – 240 km)

**WiFi** launched a program on equipment of suburban trains with Wi-Fi
DEVELOPMENT OF TAXIS

Moscow has the biggest and the youngest fleet of taxis in Europe

10 times more
new taxi licenses issued since 2010 (74k at the end of 2016)

Completed
agreements with major aggregators to increase safety and security of passengers

6,370
New cars purchased on the taxi subsidy program (since 2012 – 13k)

Unified standa
• official work permit
• yellow color
• yellow number plate
• taximeter
• «taxi checkers»
• developed order system

7 minutes
average taxi delivery time in peak hours (30 minutes in 2010)

384
Cabstands on 1,329 cars arranged since 2010

72%
of Moscow taxis are yellow (100% by 2018)
DEVELOPMENT OF «MOSCOW CARSHARING» SERVICE

- **more than 1 year**
of Moscow Carsharing project (launch – September 2015)

- **5 companies**
  Involved (Delimobil, Car5, YouDrive, AnyTime, BelkaCar) 1,500 cars in total

- **unified standard**
of Moscow carsharing (color layout of cars, GPS/GLONASS, 24/7 working hours)

- **more than 7k**
  Trips per day on Moscow Carsharing cars

- **MRHW+10 Km**
  operating zone

- **more than 280k**
  registered users in operators systems

- **1.3 mln**
  trips taken in 2016 on Moscow Carsharing cars

- **8**
  people use 1 carsharing car per day

The most rapidly evolving carsharing service in the world
Photographic and video evidence cameras installed in 2016 on city streets (1500 cameras in total )

Operability of ITS equipment (40k of traffic light, 146k CCTV cameras, 159 digital displays)

The lowest rate of road traffic accidents over the last 7 years

Operability of ITS equipment (40k of traffic light, 146k CCTV cameras, 159 digital displays)

Transport schemes designed during «Moya Ulitsa» (My Street) program

Lighting on MRHW (+500 illumination poles)

Flat parking lots of SPI «AoMPS» for 6,7k cars

reduction of road traffic accidents comparing to 2015

Of new parking spaces in 2016 (81k in total , 8,7k among them for physically challenged)
DEVELOPMENTS OF FARE SOLUTIONS AND TARIFFS

Technologically advanced fare system successfully introduced in Moscow

- **100%**
  of metro stations and rolling stock of surface city public transport accept the NFC payment technology

- **implementation**
  of Pay Pass, Pay Wave in metro and MCC, Apple Pay on MCC, and purchasing the tickets with bank card

- **unified**
  tariffs in metro, MCC and commercial carriers routes

- **issued**
  Unified travel card «Troika» and «Strelka» (Moscow region)

- **10.7 mln**
  travel cards «Troika» issued, 52k of top-up points for «Troika» card

- **50%**
  rise in use of unlimited fare

- **61%**
  of passengers use «Troika» card

- **up to 50% economy**
  on commercial carriers routes as result of city fare solutions and tariffs
INFORMING AND ENGAGEMENT WITH CITIZENS

Call center «Moscow Transport»
3210 (MTS, Beeline, Megafon)
+7 (495) 539-54-54 (landline phone)
2.5 mln calls per year
11 seconds average standby time

Service centers «Moscow Transport»
20 Staraya Basmannaya str., bld.1
51905 goda str.
More than 200k citizens inquired in 2016
5 minutes average waiting time

Info center of Transport system of Moscow
Transport system of Moscow in social media:
facebook.com/mostransport
vk.com/transportmos
telegram.me/DtRoad
More than 526k followers in social media
More than 37k posts in Twitter
@Dt_Road

Website of Transport system of Moscow and Unified Transport portal
transport.mos.ru
gucodd.ru
mosmetro.ru
central-ppk.ru
mosgortrans.ru
mttkr.ru
parking.mos.ru
aeroexpress.ru
More than 16mln visitor per year

Public transport satisfaction level in 2016 - 88%*

*according to sociological survey
MOSCOW IS A LEADER AMONG RUSSIAN CITIES AND KEEPS PACE WITH TRANSPORT DEVELOPMENTS IN WORLD MEGACITIES

<table>
<thead>
<tr>
<th></th>
<th>Moscow</th>
<th>Largest Russian cities</th>
<th>World’s megacities*</th>
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</thead>
<tbody>
<tr>
<td>Transport system development strategy</td>
<td>✔️</td>
<td></td>
<td>✔️</td>
</tr>
<tr>
<td>Unified fares and tariffs</td>
<td>✔️</td>
<td>since 2013</td>
<td>✗/ ✔️</td>
</tr>
<tr>
<td>Coordinated approach to traffic safety (ITS, Coordination board on traffic safety, public control)</td>
<td>✔️</td>
<td>since 2011</td>
<td>✔️/ ✗</td>
</tr>
<tr>
<td>Full state control over surface public transport</td>
<td>✔️</td>
<td>since 2016</td>
<td>✗/ ✔️</td>
</tr>
<tr>
<td>Bus lanes for surface city public transport</td>
<td>✔️</td>
<td>since 2011</td>
<td>✔️</td>
</tr>
<tr>
<td>Parking fees on street and road network</td>
<td>✔️</td>
<td>since 2012</td>
<td>✔️/ ✗</td>
</tr>
<tr>
<td>Unified taxi standard</td>
<td>✔️</td>
<td>since 2011</td>
<td>✔️</td>
</tr>
<tr>
<td>State aid of carsharing project</td>
<td>✔️</td>
<td>since 2015</td>
<td>✗/ ✔️</td>
</tr>
<tr>
<td>City bike rental</td>
<td>✔️</td>
<td>since 2013</td>
<td>✔️/ ✗</td>
</tr>
<tr>
<td>Unified style of transport network and unified navigation</td>
<td>✔️</td>
<td>since 2014</td>
<td>✗/ ✔️</td>
</tr>
<tr>
<td>Truck transport movement control</td>
<td>✔️</td>
<td>since 2012</td>
<td>✔️/ ✗</td>
</tr>
<tr>
<td>24/7 City Situation Center and online information sharing among inhabitants</td>
<td>✔️</td>
<td>since 2014</td>
<td>✗/ ✔️</td>
</tr>
</tbody>
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*New-York, London, Beijing, Paris, Singapore

Partially implemented
STRATEGY FOR 2017

- Improvement of road traffic conditions
- Improvement of road traffic safety
- Launch of new «Moskva» train in the metro
- Launch on new generation tramway on city routes
- Renewal of surface city public transport rolling stock (more than 1k of new buses, including 50 tourist buses)
- Renewal of route network of surface city public transport
- Increasing the scope of work for private carriers
- New bus lanes (83.4 km in 2017-2018)
- Online services for citizens (new mobile applications for Transport of Moscow)
- Improving attractiveness of suburban rail
- Decreasing headways on MCC
- Continuation of implementation of «Magistral» project
- Development of city bike rental
- Continue implementation of «Moya ulitsa» project
- Hosting the Confederation Cup-2017 and preparation for the FIFA World Cup-2018