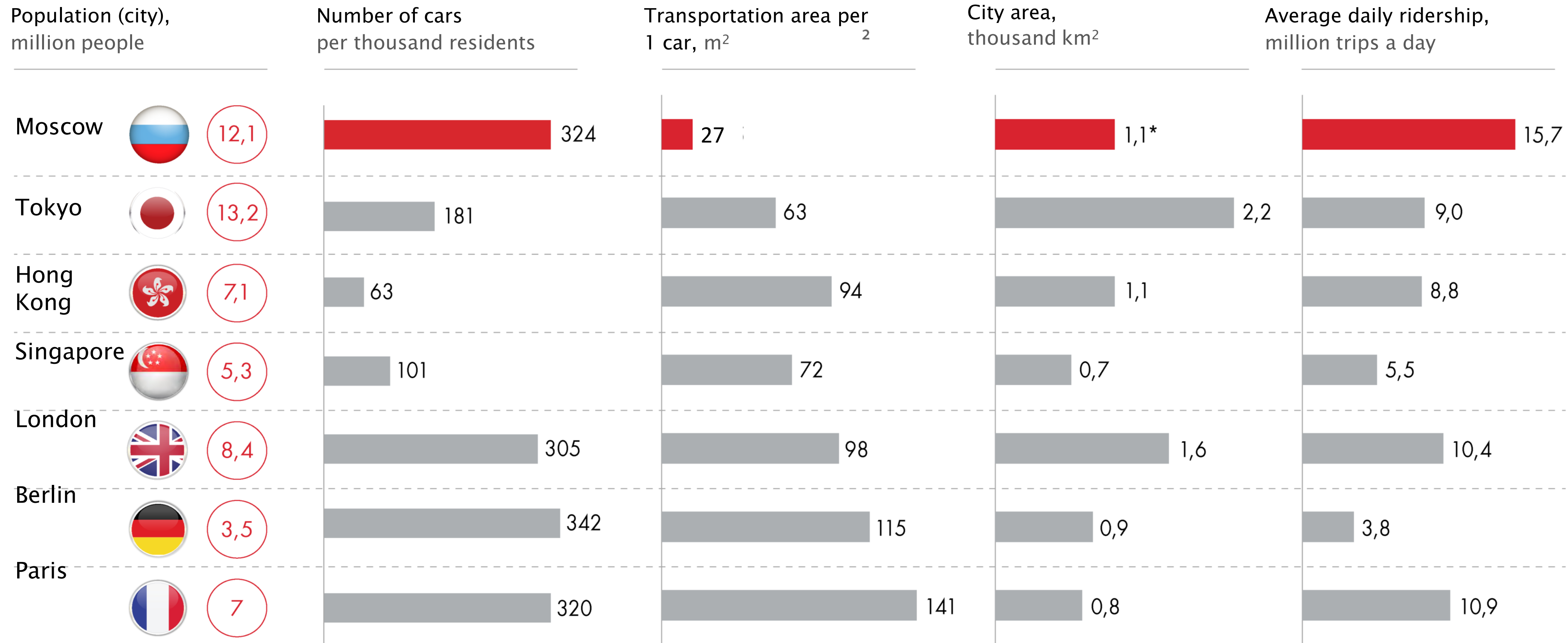


Establishment of transport targets,
subsequent development and application
of appropriate quality of life indicators
with specific figures for each year (for Moscow)

Budapest Circle, 11 September 2023

MOSCOW IS A CONTEMPORARY MEGAPOLIS, COMPARED TO THE WORLD'S LARGEST CITIES



IN 2010, THE APPROACH TOWARDSCITY TRANSPORTATION SYSTEM DEVELOPMENT STRATEGY WAS FUNDAMENTALLY REVISED

Priorities for the development of the transportation system ▼

Private vehicles 

 **Pedestrians/cyclists**

Public transport 

 Public transport

Pedestrians/cyclists 

 Private vehicles

before 2010 <

> after 2010



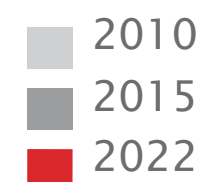
THE GOVERNMENT OF MOSCOW HAS SET ITSELF AMBITIOUS GOALS AND OBJECTIVES

Objectives	Key indicators		Notes								
Increasing accessibility	Share of public transport in the average daily ridership, %	<table border="1"> <tr><th>Year</th><th>Value</th></tr> <tr><td>2010</td><td>58</td></tr> <tr><td>2015</td><td>64</td></tr> <tr><td>2022</td><td>71 (+22%)</td></tr> </table>	Year	Value	2010	58	2015	64	2022	71 (+22%)	Public transport is constantly gaining popularity among Muscovites
Year	Value										
2010	58										
2015	64										
2022	71 (+22%)										
Increasing comfort level	Total capacity of public transport, million passenger seats per day	<table border="1"> <tr><th>Year</th><th>Value</th></tr> <tr><td>2010</td><td>25</td></tr> <tr><td>2015</td><td>29</td></tr> <tr><td>2022</td><td>34 (+36%)</td></tr> </table>	Year	Value	2010	25	2015	29	2022	34 (+36%)	Increasing the capacity of public transport by 4 million passenger seats per day has enhanced comfort level and convenience
Year	Value										
2010	25										
2015	29										
2022	34 (+36%)										
Increasing speed	Average travelling time during morning rush hours from the suburbs to the centre	<table border="1"> <tr><th>Year</th><th>Value</th></tr> <tr><td>2010</td><td>63</td></tr> <tr><td>2015</td><td>59</td></tr> <tr><td>2022</td><td>53 (-16%)</td></tr> </table>	Year	Value	2010	63	2015	59	2022	53 (-16%)	The government has managed to reverse the long-standing negative trend – every year the traffic situation in the city is improving
Year	Value										
2010	63										
2015	59										
2022	53 (-16%)										
Creating inclusive environment	Level of adaptation of the city’s public surface transportation ¹ for mobility impaired people ² , %	<table border="1"> <tr><th>Year</th><th>Value</th></tr> <tr><td>2010</td><td>34</td></tr> <tr><td>2015</td><td>100 (x3)</td></tr> <tr><td>2022</td><td>100</td></tr> </table>	Year	Value	2010	34	2015	100 (x3)	2022	100	Since 2015 all surface public transport routes are adapted for mobility impaired people
Year	Value										
2010	34										
2015	100 (x3)										
2022	100										
Creating environmental sustainability	Emissions from public traffic, kg/person a year	<table border="1"> <tr><th>Year</th><th>Value</th></tr> <tr><td>2010</td><td>90</td></tr> <tr><td>2015</td><td>77</td></tr> <tr><td>2022</td><td>50 (-45%)</td></tr> </table>	Year	Value	2010	90	2015	77	2022	50 (-45%)	Transportation is gradually ceasing to be the largest source of air pollution
Year	Value										
2010	90										
2015	77										
2022	50 (-45%)										

THE SUBJECT OF THE DISCUSSION

¹ LCPT — land city passenger transport

² PWLM — people with limited mobility



ENVIRONMENTAL SITUATION IN THE CITY HAS SIGNIFICANTLY IMPROVED AS A RESULT OF THE MEASURES UNDERTAKEN BY THE GOVERNMENT OF MOSCOW

Air pollution level has decreased by 13% by 2021



Between 2010 and 2021 the amount of the PM10 fine particles in the air went down from 0,044 to 0,035 mg/m³

Measures to improve the environmental situation:



Public transport development



Cycling lanes and pedestrian areas development



Parking space organization



Taxi service system development



Truck transport regulation



Carsharing system organisation




Traffic situation improvement





Implementation of the "My street" programme


DEVELOPMENT OF PUBLIC TRANSPORT IN 2010-2022

Metro

 **30**
new metro stations
(a total of 200 stations)


 **8000**
parking slots as part of the
park-and-ride system near
metro stations


 **around 1800**
new generation rolling stock
units (30% of fleet renewed)


 **100%**
of rolling stock units are
covered with Wi-Fi
(2,5 million logs a day)

Surface public transport

 **7000**
vehicles bought
(86% of operating fleet renewed)


 **50% of buses**
covered with Wi-Fi
(100% by the end of 2016)


 **270 km**
km of public transport
lanes created

 **12**
night surface public
transport routes organised

Suburb rail

 **319**
stations renovated and
upgraded including
9 railway stations

 **2000**
new parking slots as part of
the park-and-ride system
near railway stations

 **54 km**
is the length of the Moscow
Ring Railway (MKZD)

 **240 km**
of railway track is constructed

THE MOSCOW CENTRAL CIRCLE IS A SURE STEP INTO THE FUTURE

75 mln. passengers are anticipated in 2017

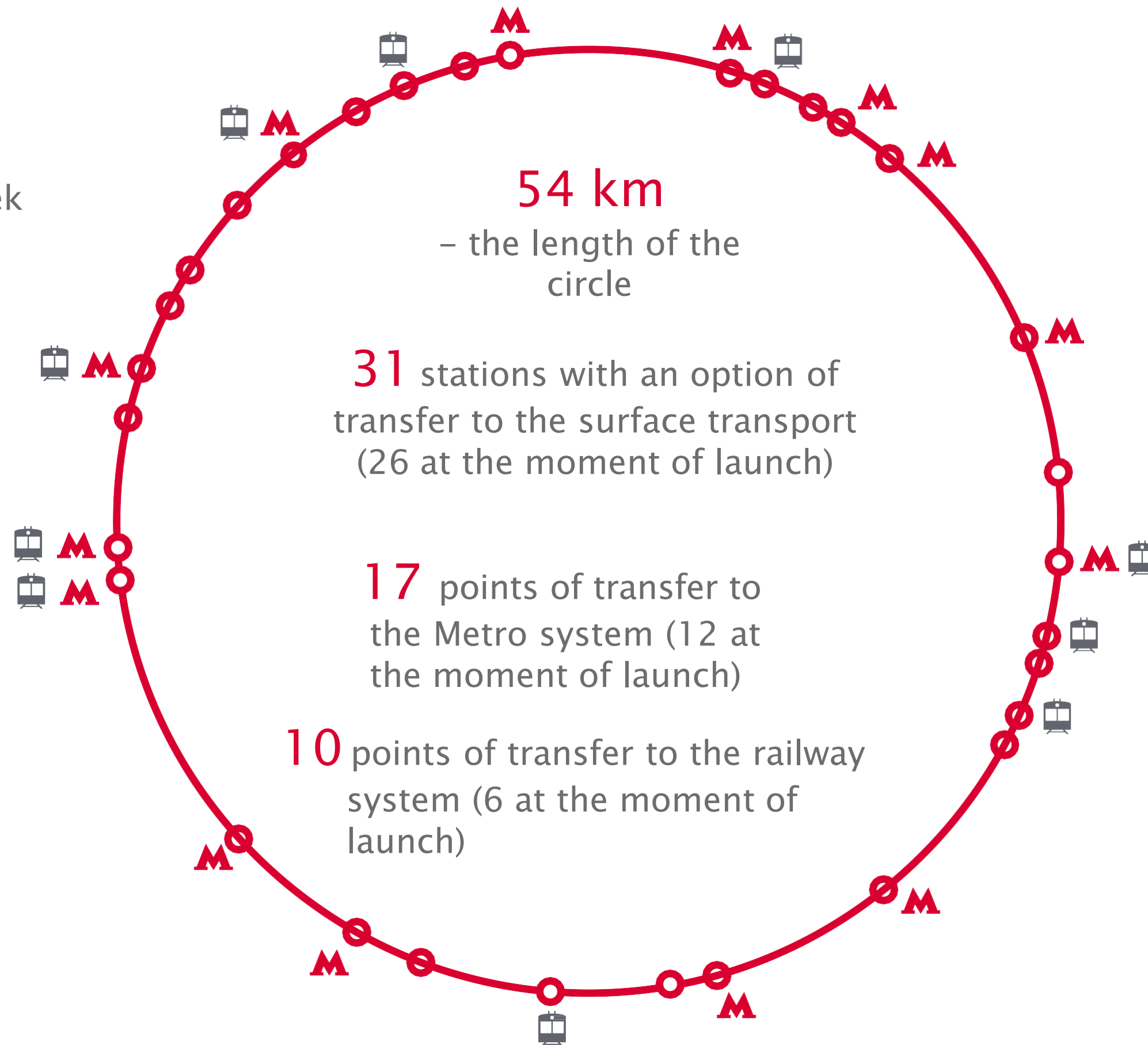
1,7 mln. passengers were transported during the first week

82% of MCC passengers are Metro system passengers

80 min. – ride round the ring

15% relief of the Metro circle line

20–40% unloading of the central railway stations



From 5:30 a.m. till 1:00 a.m. – hours of operation

6 min. – rush hour traffic intervals

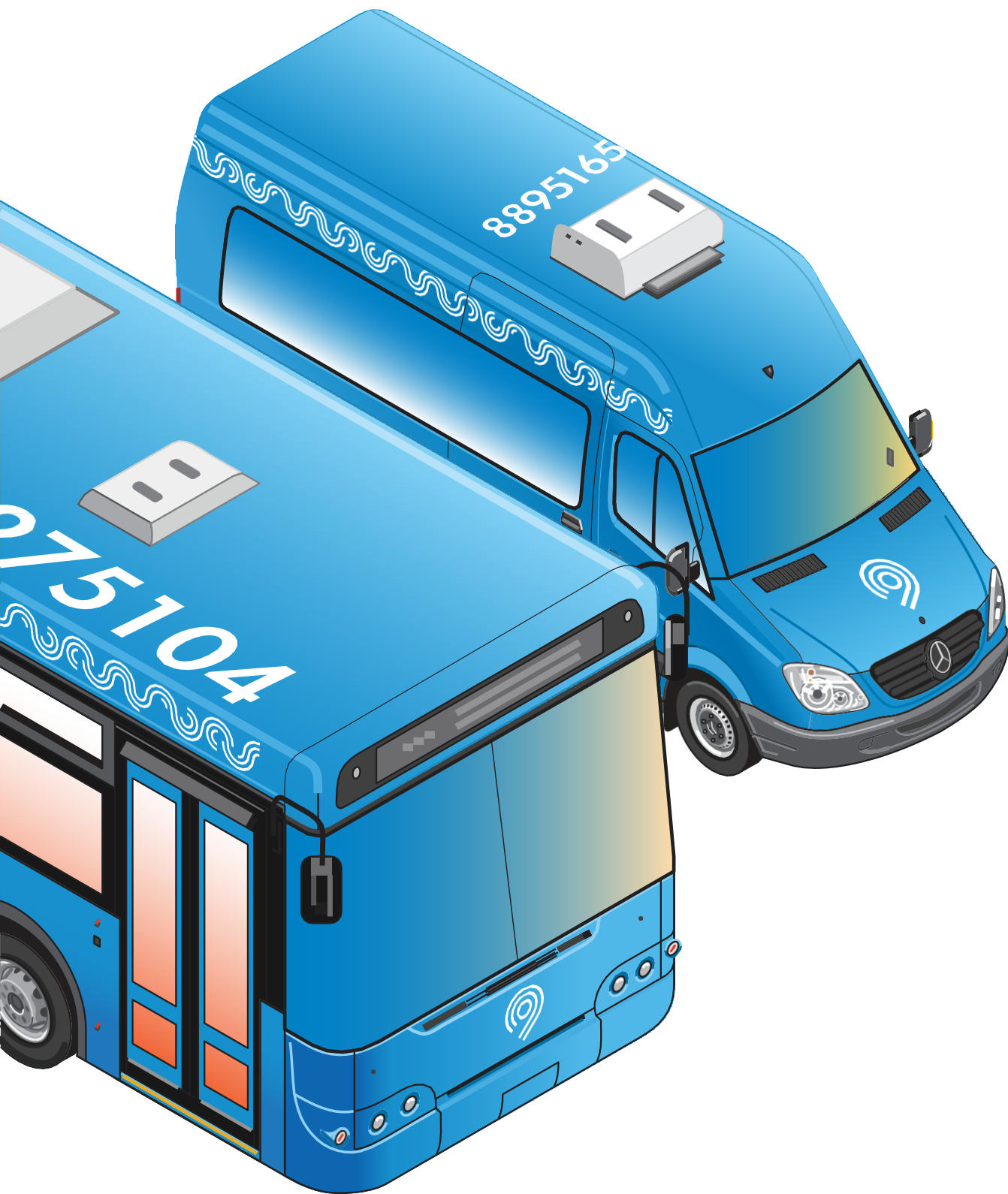
13 stations with parking lots for **1 500 cars**

Within walking distance and developing bicycle infrastructure

Shared ticket menu for the MCC and Moscow Metro system

Integration into the city navigation system

INTRODUCTION OF NEW STANDARD OF COMMERCIAL TRANSPORTATION BY LAND



New standard:

-  no more than **2** years old
-  meet **Euro-5** standard
-  equipped for **mobility impaired people**
-  equipped by **climate control system**
-  **obey traffic regulations**
-  uniform **ticket menu**

First results:

-  about **2000** new buses for Moscovites
-  more than **13** million passengers were transported, of which **4,5** million beneficiaries
-  **quality of services** is controlled by the Government of Moscow and passengers themselves
-  **10** billion of private investments in vehicle stock
-  **+30%** new passenger seats for city residents
-  **the largest procurement of vehicle stock** for the last 10 years



THE CITY'S CYCLING FACILITIES HAVE BEEN SIGNIFICANTLY TRANSFORMED

3000

Bicycle stations in Moscow
(21000 parking lots)

**>250 km of
cycling lanes**

1 million

Trips per season are made by
the users of bicycle rentals

Down by 30%

is the number of traffic accidents
involving cyclists

In 2016

a pilot project of electric
bike rentals was launched

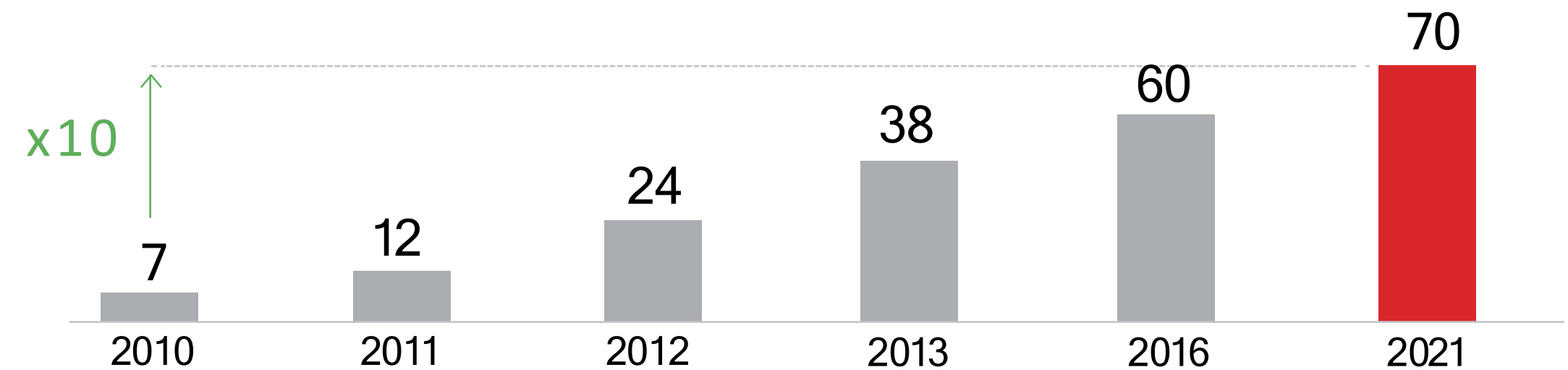
**Advanced rent-
a-bike system**

- 300 spots
- 3000 bicycles
- 300 thousand users per season



KEY RESULTS OF THE TAXI SERVICE DEVELOPMENT

Number of permits issued, thousand



Moscow taxi standards:

- Official work permit
- Yellow colour and licence plate
- Using public transport lanes
- Advanced booking system



The largest and youngest taxi fleet in Europe

cars are less than 3 years old



6.1 million rubles

was invested by the Government of Moscow in taxi service development support over 5 years



6 minutes max 2022

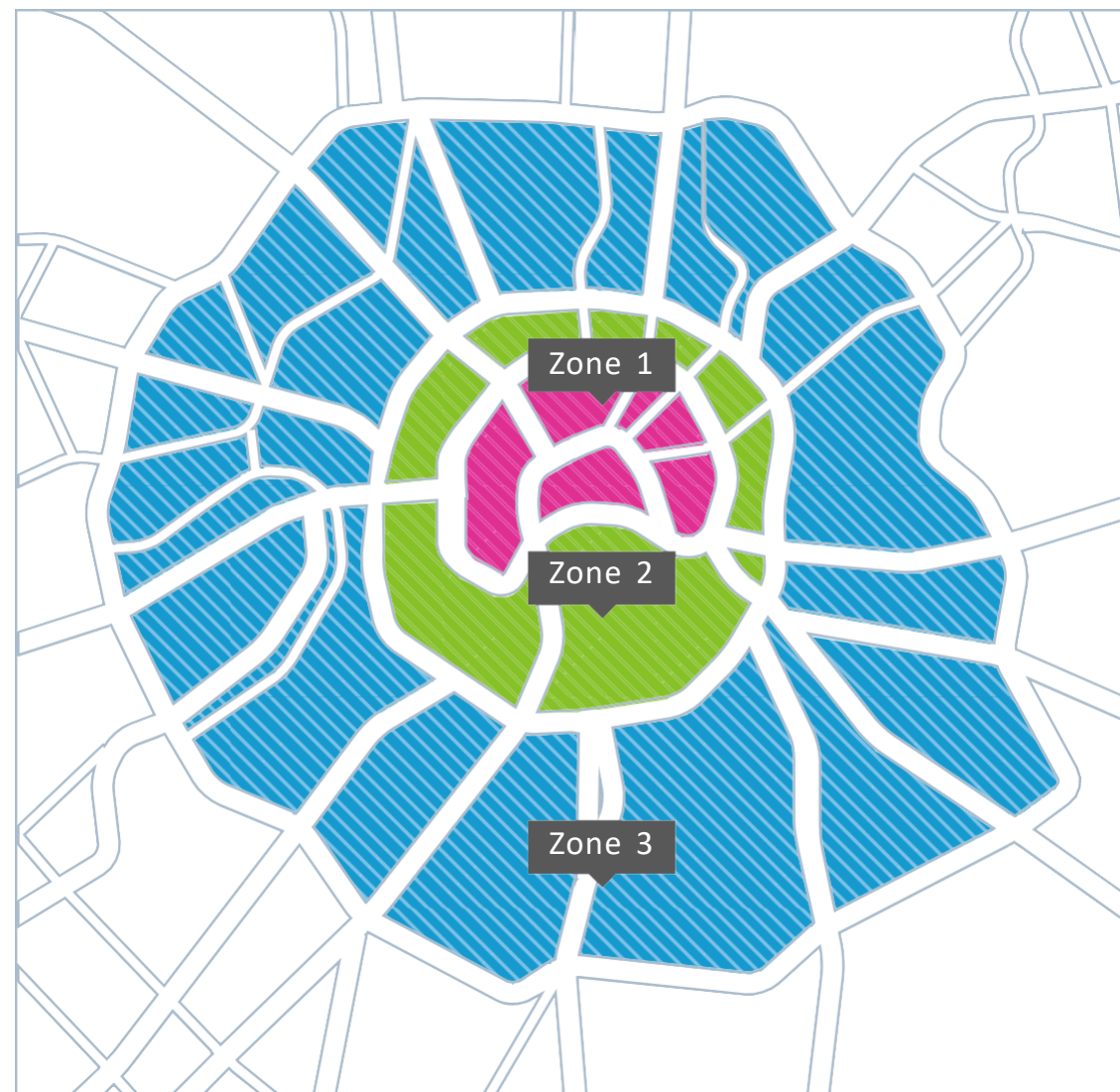
The average taxi car arrival time (15 minutes in 2016)



300 thousand rides

per day are made by taxis

ORGANISATION OF PARKING SPACE HAS LED TO A SIGNIFICANT IMPROVEMENT OF THE TRAFFIC CONDITION IN THE CITY CENTRE



Cost of one hour of parking

- Zone 1 — € 1,2
- Zone 2 — € 1,0
- Zone 3 — € 0,8



67 500

parking slots created



3,5 times

increase in parking lots turnover



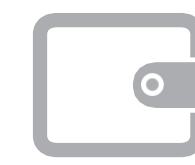
100%

of all income from paid parking is allocated for the city redevelopment



95%

parking sessions are paid for via mobile devices



Features of parking system:

- per-minute payment
- progressive tariffs
- special privileges for residents



Free parking for electro cars



Effective control system:

- City residents control (mobile app)
- police and urban services

CURRENT CONDITIONS OF GRANTING PREFERENTIAL PARKING PERMITS FOR LOCAL RESIDENTS, DISABLED PERSONS AND MULTI-CHILD FAMILIES

Conditions of granting preferential permits

Applicant	Only the home owner (when approved by other owners, a document certified by a notary public or official in the Multifunctional Center of Public Service Provision)
Actual users	<ul style="list-style-type: none"> • Home owner • Person permanently registered ("registered domicile") at the owner's home • Apartment tenant temporarily registered at the owner's home (for the duration of the registration and rental contract > 1 year)
Car	Only cars owned by actual users with no penalty arrears
Cancellation	<p>When the grounds for obtaining permits (1-3) cease to exist</p> <p>In case of the arrears in 3 penalties the permit validity is suspended until full payment and blocked for 3 months after the date of payment</p>
Zone and validity period	Within the boundaries of the municipal district for 1, 2 or 3 years at the request of a local resident
Validity hours	8.00 PM - 8.00 AM - free of charge, 8.00 AM - 8.00 PM - if a permanent ticket is bought for 3000 rubles / year
Number of permits	2 permits for 1 residential unit
Replacement of vehicle license plate	Vehicle can be replaced every day (usual response time, if applied for - 6 days)
Permit extension	<p>Delayed entry of permit into force</p> <p>(a new permit can be applied for 2 months before the expiration of the former one)</p>
WWII veterans	If a local resident permit exists, the validity area is the whole city paid parking area (for 1 vehicle)

WITHIN THE PAID PARKING AREA MONITORING SYSTEM IS ARRANGED TO MAINTAIN COMPLIANCE WITH TRAFFIC RULES AND PARKING PAYMENT RULES WITH USE OF AUTOMATIC RECORD MEANS

Violations recording

Mobile recording complexes



- 370 cars equipped with recording cameras
- ~400 routes

On-foot inspectors



- ~120 inspectors
- Control on narrow streets
- Fight against the concealment of license plates

Application "Assistant of Moscow"



- Mobile application to record violations by the city residents
- Record of parking under the "No entry" signs, lawns, in paid parking area

Evacuation



- 320 evacuators
- ~700 evacuations per day
- Evacuation is effected for fee*

Preventive measures

! Violation of traffic rules in terms of parking and stopping

/ Penalty is **from 2 500 to 5 000 rubles**

(Art. 12.16, 12.19 of the Code of Administrative Offences of the Russian Federation) is controlled by State Road Safety Inspection or Moscow Administrative Traffic Inspection (executive body)

! Parking rules violation

/ Parking payment no later than 15 minutes from the moment of entry into the parking lot

/ Release of a parking lot no later than 10 minutes after the end of the paid period

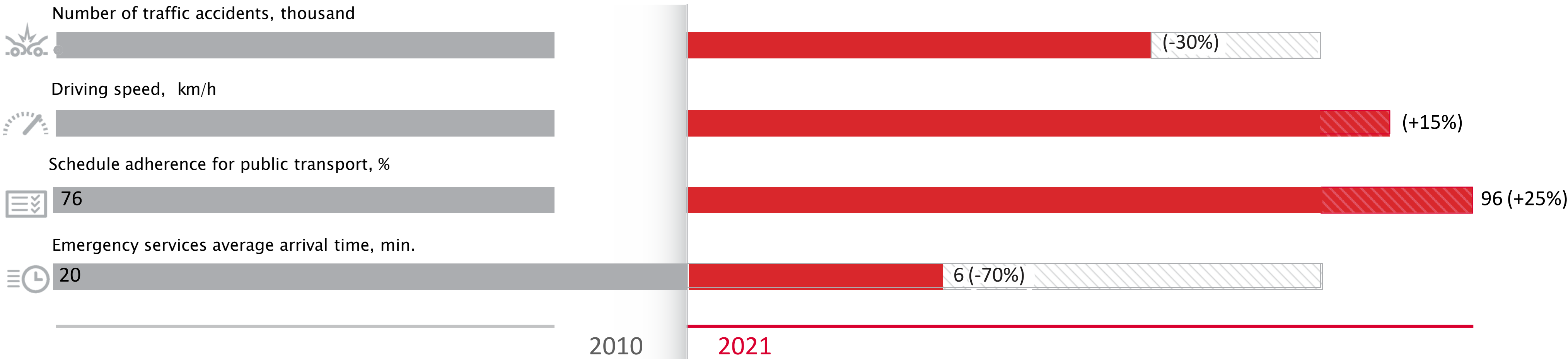
/ Penalty for failure to pay for parking – **2500 rubles** (Art. 8.14 of the Code of Administrative Offences of Moscow) – controlled by State Public Institution Moscow Parking Space Manager

/ Vehicle evacuation – **from 3 000 to 7 000 rubles***

/ Vehicle storage per day – **from 500 to 2900 rubles***

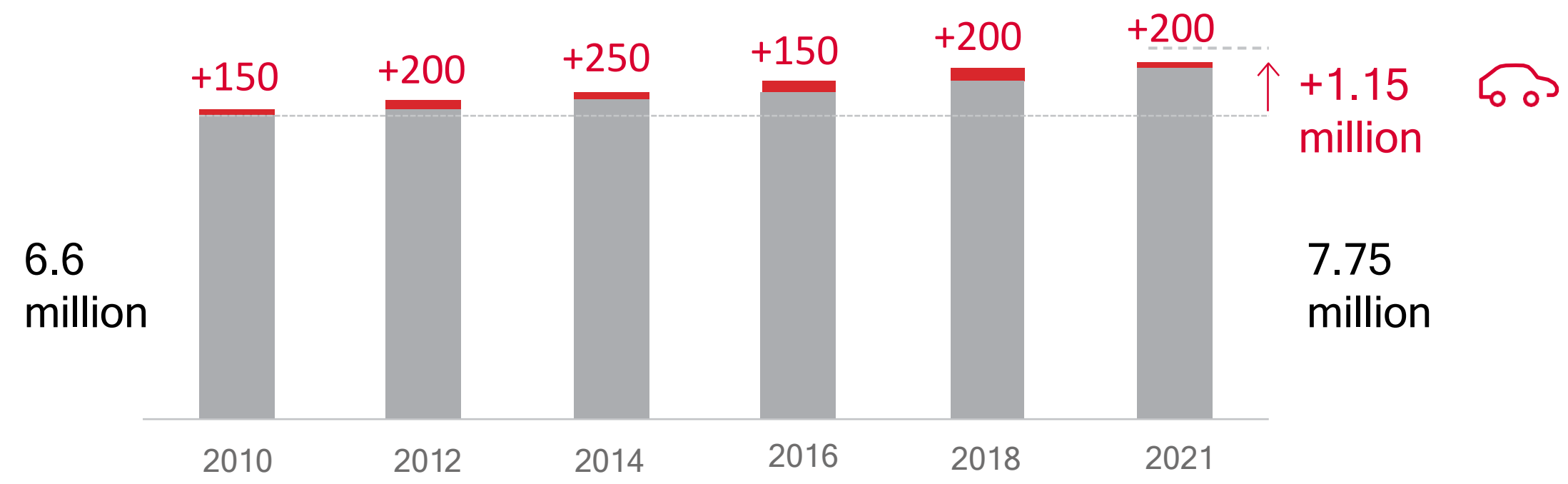
/ **Discount 25%** for payment for evacuation till the vehicle return

IN 2021 TRAFFIC SITUATION IN MOSCOW SIGNIFICANTLY IMPROVED



In 2021, traffic situation significantly improved despite the yearly increase in the number of registered vehicles in Moscow and the Moscow Region

Number of registered vehicles in Moscow and the Moscow Region, million





Dmitry FEDOROV

head of the “Green Civilisation” Resource Centre
former head of regional programmes of the EKA movement
ex-minister of natural resources and cyclic economy of the Ulyanovsk region

d.fedorov@eca-planet.com

+79661725201