

Cycling programs in Moscow and other Russian cities



Moscow
Transport



Since 2010, the Moscow Government has been successfully implementing a large-scale program for increasing transport system efficiency

Background information

In Moscow, 2010 was marked by the climax of the transport system crisis:

- High traffic congestion during peak hours
- Ineffective passenger transport with inconvenient routes and low service quality
- Lack of space for pedestrians and bicycle riders

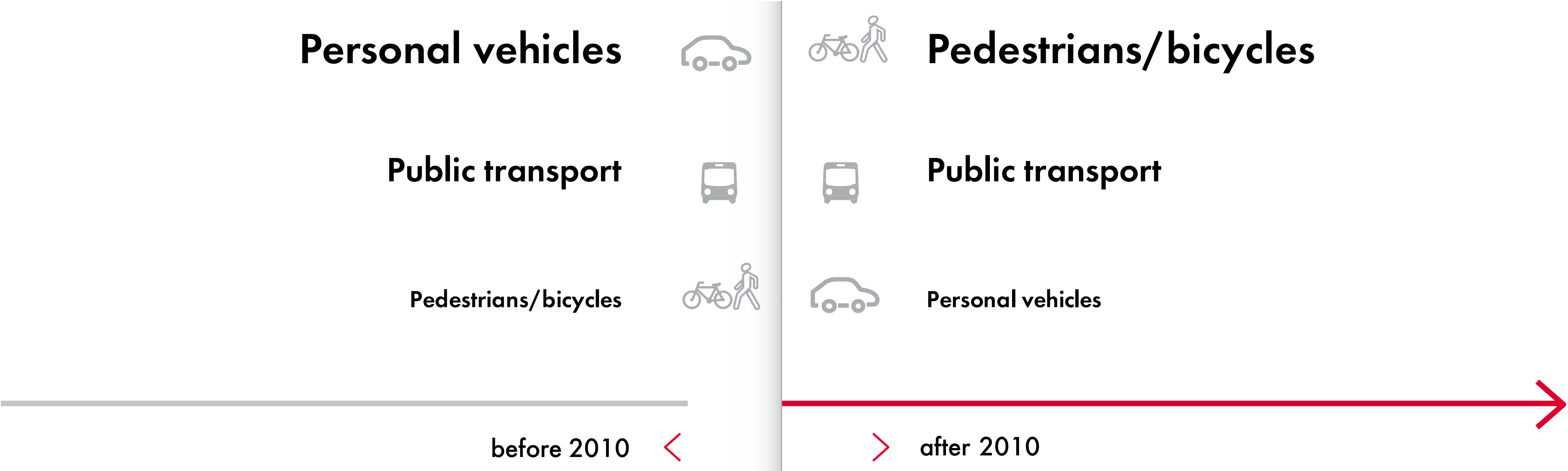
In 2010, a new Moscow Government was established. The new Government's program contained a thorough paragraph regarding traffic jams

The main goal was creating a comprehensive approach to the transport system development







The approach to the creation of the transport system development strategy has been essentially revised

Priorities of system transport development ✓

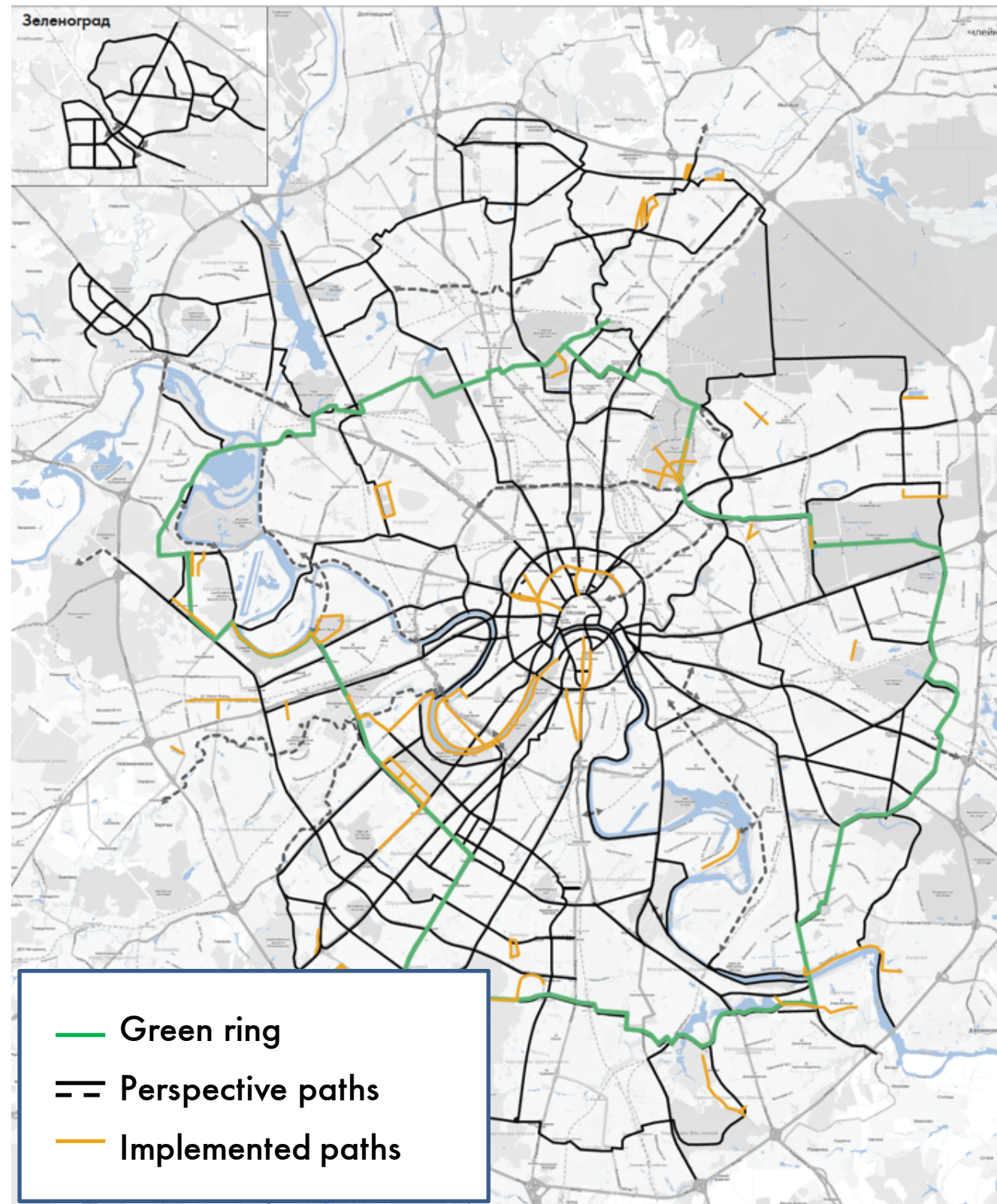


Development of bicycle infrastructure 2012 - 2017

	2012	2013	2014	2015	2016	2017
Bicycle lanes 	Parks 25 km (+5) Streets 27 km v(+19)	49 km (+24) The first 16 km 'transport' bicycle lane built	50 km (+1)	70 km (+20) New standards implemented	70 km (0)	95 km (+25 km)
Bicycle parking 	—	1 189	2 598 (+1409)	2 813 (+215)	2 828 (+15)	2 222 Optimized placement
City bicycle rental stations 	—	79 stations 550 bikes	150 stations (+71) 1 500 bikes (+950)	300 stations (+150) 2 600 bikes (+1 100) The number of trips increased 8 times since 2014	330 stations (6 electro) 3 200 bikes (+700 regular & 100 e-bikes) E-bikes pilot launch	380 stations (7 electro) 3 750 bikes (+520 regular & 30 e-bikes) More than 2 000 000 trips expected
Other 	Bicycle infrastructure development is included in the Transport Strategy of Moscow	<ul style="list-style-type: none"> • First amendments in law • First official city bike events 	<ul style="list-style-type: none"> • Bicycle development strategy • Free bicycle transportation in public transport 	<ul style="list-style-type: none"> • Amendment in law: Bicyclist are allowed to ride on public lanes • The first mass public events: «To work on a bicycle» 	<ul style="list-style-type: none"> • New public transport MCC with bicycle carriers launched • The first winter bicycle parade (-25 C, 500 participants) 	<ul style="list-style-type: none"> • New plan of bicycle network development under creation • >150 000 participants in bike parades

Bicycle lanes: strategy and steps

Moscow bicycle infrastructure development strategy up till 2020 was introduced in 2014:



The strategy is being consistently implemented since 2014:

- Since 2016, transport schemes for more than 70 streets have been developed to introduce bicycle infrastructure in the city center and beyond
- Since 2015, new bicycle paths and lanes in the central part of the city are built within the "My Street" project. More than 40 crossings have been equipped with bicycle lights, special red markings for hazardous areas

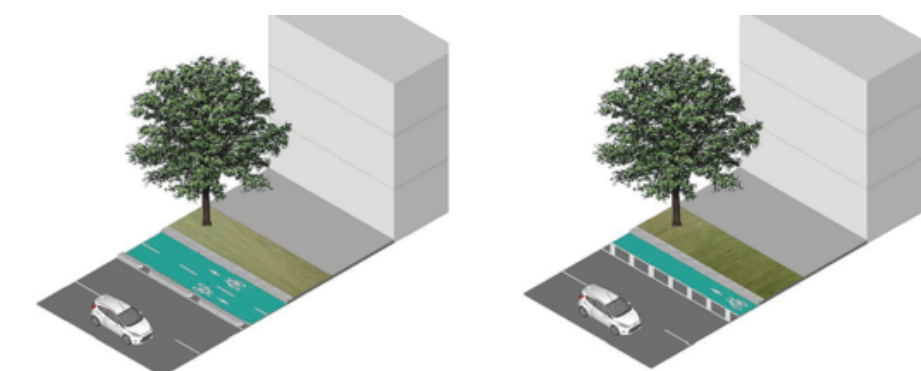


Accomplished paths in 2013-2015



Boulevard ring - the first bicycle lane

- A Green Ring - bicycle 80 km long highway about to connect 15 largest parks and more than 20 transport hubs. Pre-solutions was designed for the first 42 km segment.



Bicycle Infrastructure.

Since 2013 new types of bicycle infrastructure were introduced in Moscow



Boulevard ring

The first bicycle lane in Russia with more than 9 km (extended to 12km in 2017) due to changes of traffic rules in 2015



Lyusinovskaya street

The first lane separated from the road traffic by public transit lane



Bolshaya Ordynka Street

The first contraflow bicycle lane in Russia



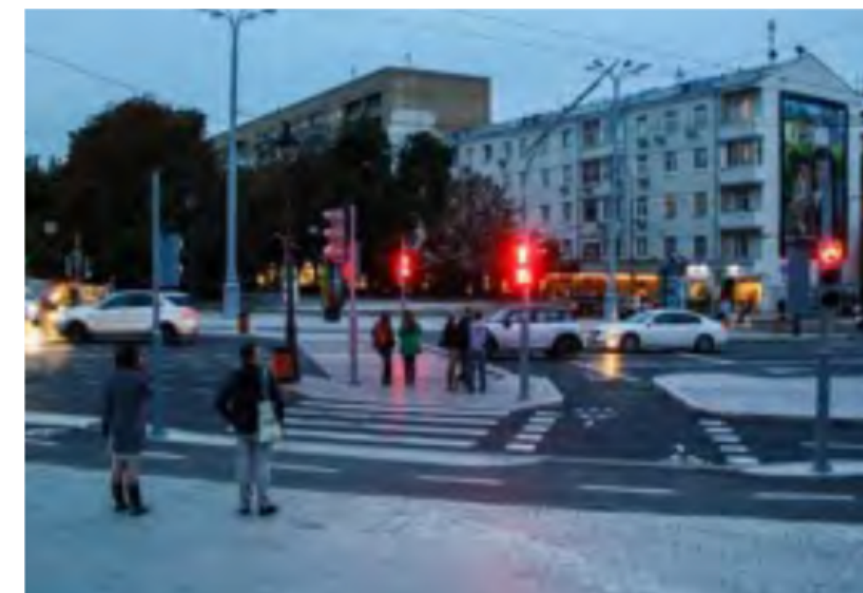
Bicycle traffic lights

More than 20 crossings have been equipped with bicycle lights, special red markings for hazardous areas



Individual road signs design

A set of special signs for cyclists and drivers in hazardous places after bicycle lanes launches

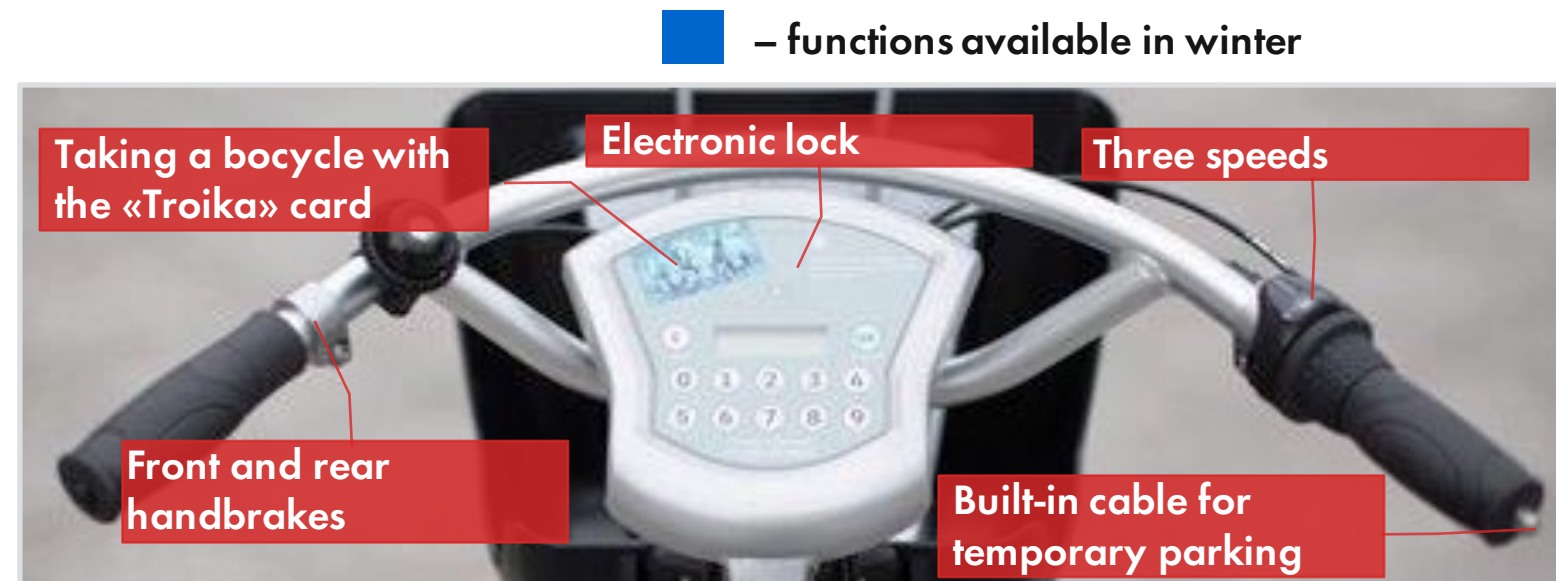


" Safe crossroads"

Complexly equipped Nikitsky Gate Sq. crossroad for safe crossing of the road by bicyclists in each direction

In 2014 a second generation of bicycle sharing system was launched. In 2016 electric bikeshare was implemented

Electric bicycle share facts:



- 6 stations with 150 electric bicycles are available in the system
- The electric bicycle is based on the usual sharing bicycle design
- The range of travel on one full charge is more than 20 km
- 20-min charging time for a full battery
- The possibility of electric drive, a pedal drive or a mixed drive using

* At stations located in the paid parking area

The number of trips with the use of city bicycle rental has been increased by 2 times



For 2017-2019 the further expansion and development of Moscow bicycle infrastructure is planned



210 km of bicycle paths and lanes



An advanced bicycle rental system: 3,750 bicycles at 380 stations by the start of 2017' season



Including 150 electric bicycles at 6 rental stations

Preliminary results



Over 1.6 million trips using city bicycles in 2016, through first 3 month of bikeshare work 2017 1,8 million trips have been already registered



About 100 thousand bicycle parade participants during the year



2,600 trips made by the most active bikeshare rental user in 2016

Bike parking: principles of placement on city streets



- From 2013 to 2016 more than 2700 bicycle racks with 18 000 slots were installed in the city
- Special Moscow design standart for bike racks according to 'Moscow Transport' brand book was created
- A special form for collecting application from residents for bicycle racks placement is available at Moscow Department of Transport Internet portal
- Several hundred suggestions for parking installation were delivered and extention of existing slots from residents, commercials (shops, cafes), city services and organizations (schools, museums, cinemas, etc.)
- Government monitors the use of bicycle racks and relocates unpopular racks to optimal locations
- In 2017 several transport hubs will be equipped with enclosed bike boxes

Multimodal transportation is becoming more convenient



The bicycle carriage conditions are gradually developing:

- Free of charge transportation of bicycles in ground urban transport available since 2014
- Free bicycle carriage in commuter trains at off-peak times available since 2014; (the service was used by at least 100,000 passengers)
- Several suburban trains are equipped with bicycle fasteners
- All Moscow Central Circle vehicles are equipped with bicycle fasteners, carriage is free of charge