DIT

Smart city

Roadmap in Moscow

2019

350 km
Free Wi-Fi in metro

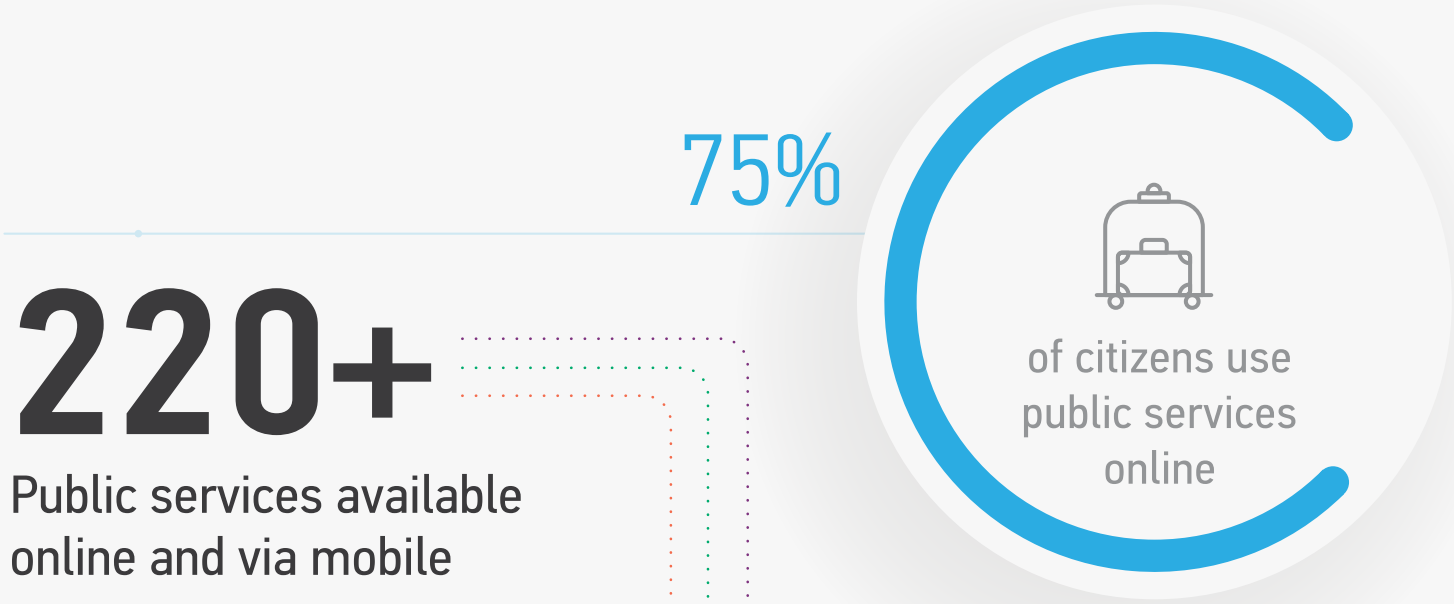
15,5 km²
Free Wi-Fi in city center – seamless handover

18,800
Free public hotspots

90 %
Of territory covered by broadband at 20+ mbs

99 %
Of territory covered by 4G at 7+ mbs

82 %
Smartphones penetration



220+

Public services available online and via mobile

ONLINE PORTAL

3 MOBILE APPS

20 SMS AND USSD SERVICES

650 MLN

requests per year

04 | Citizen engagement. E-votings

City-wide e-voting app:

— Weekly votings regarding city development issues

— Votings can be targeted to specific districts and streets

— All decisions should be implemented by government

2,1 mln
Registered citizens

5,200+
Votings held

Voted against:

Additional speed limit in city center

Voted for:

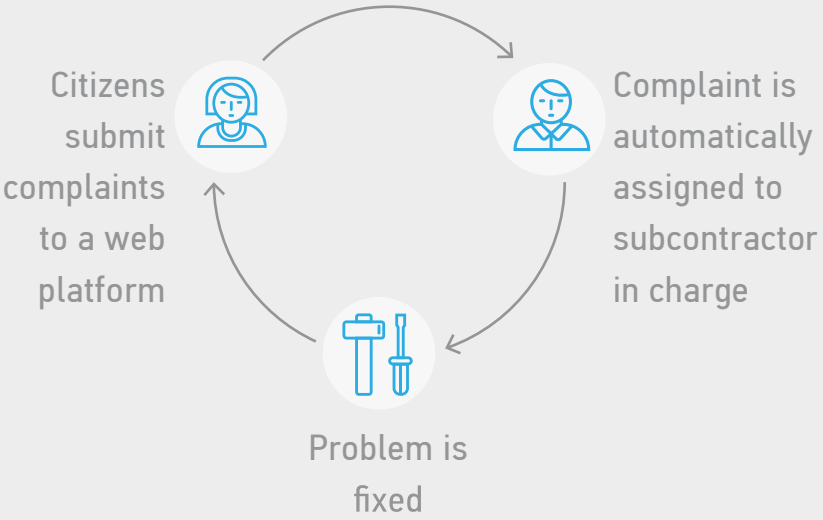
Stricter rules for urban works in the nighttime

Limitation of sales of alcohol energy drinks

Public control over the quality of city infrastructure

120 ths
City objects

1,3 mln
Citizens



3 mln
problems fixed

Digital environment for teachers, parents and pupils:

— online school diaries

— online assignments

— customizable modular presentations for tutorial sessions

— parental notifications and alerts

1,840 School buildings

65 ths Teachers

980 ths Pupils

Connected

30 mbs
internet everywhere

07 | E-healthcare

Unified resource management and health monitoring system

— patient flow control

— online appointments

— cloud-based EHRs

— e-prescriptions

— cloud-based accounting

9 mln
Patients

660
Clinics and labs

21,000
Physicians

Connected

25 mln
e-prescriptions
Per year

85 mln
e-appointments
Per year

UNIFIED CITY VEHICLES TRACKING SYSTEM FOR 126 MUNICIPALITIES

- Routes monitoring
- Fuel consumption
- Speed monitoring
- Operation mode

PUBLIC TRANSPORT

STREET SWEEPERS

SNOWPLOW TRUCKS

WASTE TRUCKS

WATER CARTS

TRACTORS

32,000

vehicles

Centralized city-wide VSAAS:

— 70 % of police investigations held using CCTV

— 45,000 traffic fines issued automatically every day

— 24/7 control over city services and infrastructure

167 ths
Cameras

6 ths
Police officers

10 ths
Local officials

Connected

16
petabytes archive

1,2 bn
hours of video per year

Accident details from help line

Video from city CCTV

Best route based on traffic situation

Unified management system and personal tablets for each of 750 crews

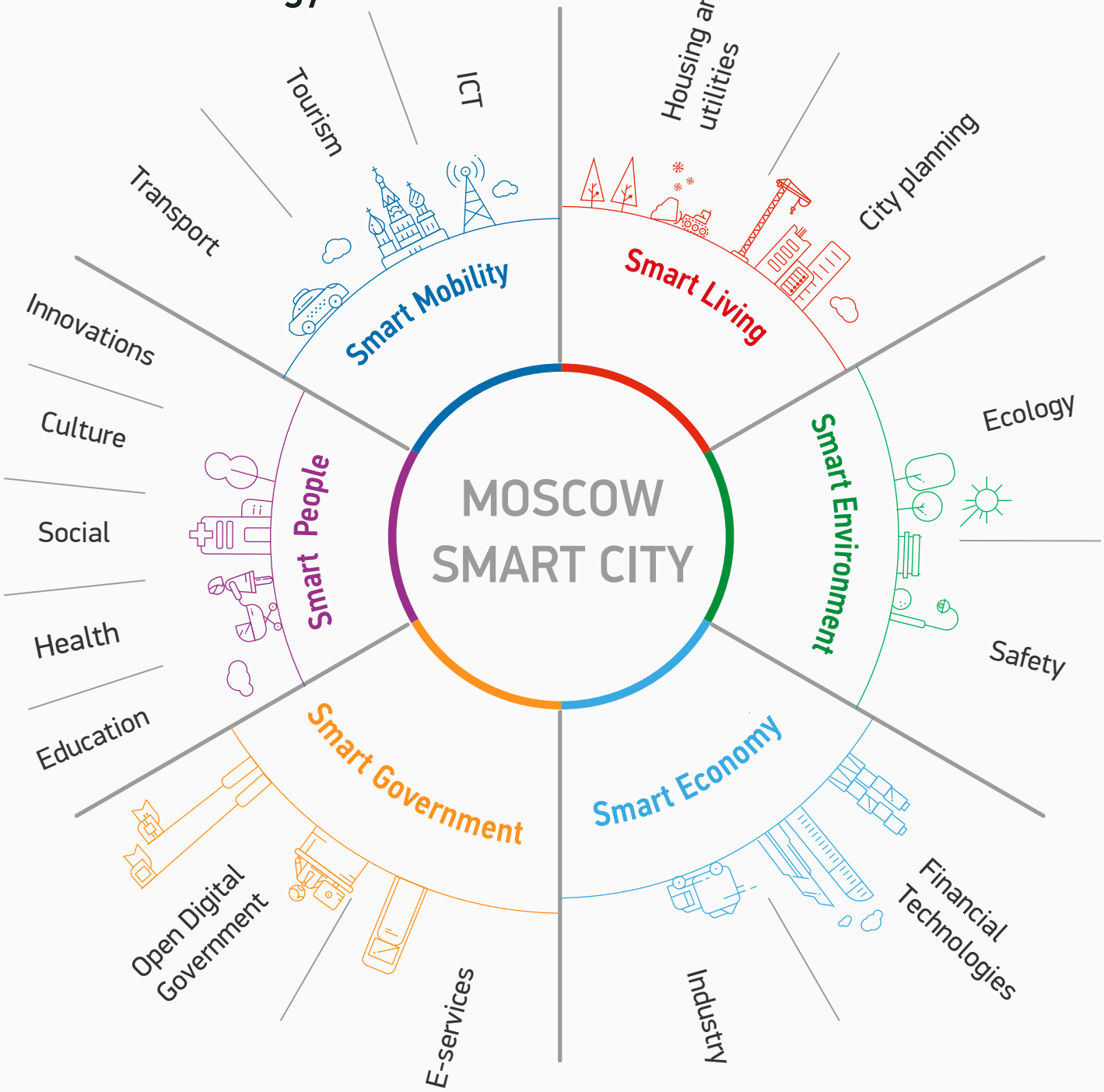
20%
faster arrival

Vision

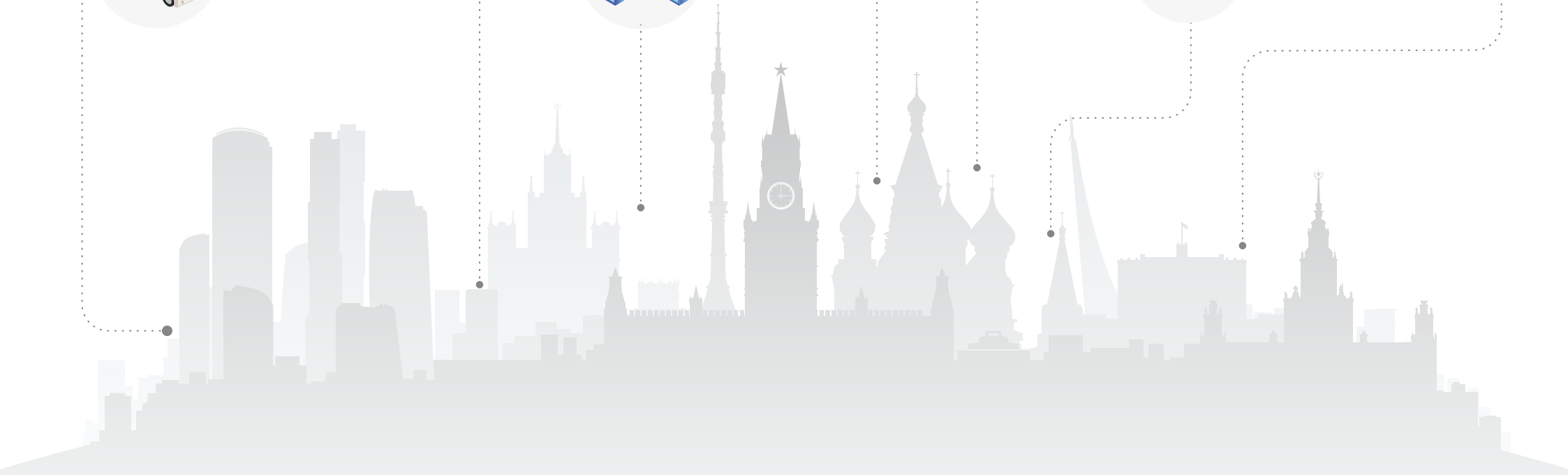
Use digital technologies to:

- Make citizens happier, healthier and more educated, and to boost their well-being
- Create a favorable environment for the business, entrepreneurship and scientific communities that would facilitate well-being, innovations and the transformation of the city into a live laboratory for growth and development
- Make the city safer, greener, more environment-friendly, comfortable for life, sustainable, and joyful
- Unite people, in order to enhance living standards and city governance efficiency
- Facilitate the consolidation of society
- Ensure an active life for elderly residents

6 Dimensions of the strategy



Smart City: comprehensive technologies



- Artificial intelligence
- Big data and predictive analytics
- 5G communication technologies
- Virtual, augment, and mixed reality technologies
- Computer-aided 3D simulation and 3D print
- Internet of things
- Blockchain
- Neural interfaces

Implementing ITU-T International Standards to Shape Smart Sustainable Cities

2018

Moscow partnered with ITU to pilot the Key Performance Indicators for SSC

3 PHASES OF PROJECT:

- Collecting the necessary data to report to the KPIs with supports from ITU — Feb-Jun
- Performing an onsite validation and certification process — Jul
- Preparing case study — Aug-Nov

More details will be on the session about Moscow Case Study

Always there for you!

DIT

twitter.com/ditmos

vk.com/ditmos

www.mos.ru/dit/

ok.ru/ditmos

facebook.com/ditmos