ITMO UNIVERSITY

Saint Petersburg, Russia

Smart St. Petersburg

Sergey Drozhzhin E-mail: sergey.drojjin@corp.ifmo.ru

en.ifmo.ru

Preface

- The Saint Petersburg State University of Information Technologies, Mechanics and Optics (ITMO University) is one of the leading higher education institutions in Russia.
- Since 2016 ITMO University deals with issues of Smart city.

TMO UNIVERSITY

 In the beginning of 2017, ITMO University with Public authorities of St. Petersburg started work on the St. Petersburg smart city project





ITMO UNIVERSITY

Project office "Smart St. Petersburg"

Started: April, 2017 Head of the Project Office:

Governor of St. Petersburg Georgy Poltavchenko

Scientific director of the Project Office:

Rector of ITMO University Dr. Vladimir Vasiliev





ITMO UNIVERSITY

Project office "Smart St. Petersburg"

5 workgroups:

- Workgroup on smart St. Petersburg design
- Workgroup on creation legal, technical, organizational conditions for projects selection and implementation.
- Workgroup on methodological support
- Workgroup on PR.
- Expert and technological council



Smart St. Petersburg

ITMO UNIVERSITY

Main idea:

Comfortable City for all categories of citizens in any life situation.

Smart City – is not only IT

Definition:

Goals:

The main goal: to ensure high quality of life in the City

Related goals:

- To ensure sustainable development of the City
- Effective urban resource management
- ✓ Increasing investment attractiveness
- To achieve strategic goals which are defined in Strategy 2030 of St. Petersburg

Smart City – the urban resource management system, designed to improve citizens quality of life, quality of urban governance, to create the competitive economy through the **reasonable** use of modern information technology.



Structure and mechanism of Smart City formation

ITMO UNIVERSITY



Principles of Smart St. Petersburg

- The Principle of accounting for urban resources and processes
- The Principle of coordination and interaction
- **The Principle of planning**

- **V** The Principle of control
- The Principle of economy and balance

TMO UNIVERSITY

Structure and mechanism of Smart City formation

ITMO UNIVERSITY



THE LAYER OF SOCIO-TECHNICAL SERVICES	Electronic public services to citizens	Services of interaction with residents		Security Services		s Open Data services			S
THE LAYER OF SECTORAL FUNCTIONAL ELEMENTS		Transport ousing and utilities	using and Edu			Tourism Economy		projects	ns and Tool
THE LAYER OF INTERSECTORAL FUNCTIONAL ELEMENTS	Information resources of the City			Systems of information and analytical support and forecasting of the City development				Local	ity System
	Systems for en interaction betwe the S	Systems of operational, strategic and emergency management of the city				ation Security			
THE LAYER OF PHYSICAL	Physical Data Transfer Devices data processing cer								Informa
INFORMATION COMMUNICATION TOOLS & DEVICES	Sensors that provide continuous monitoring of resources CCTV and other secur City			ity systems in the Physical access points to the information space		points to on space			

ITMO UNIVERSITY

What ensures the implementation of the process of introducing a "smart city"?

- 1. Website petersburgsmartcity.ru
 - The form for the inclusion of candidate projects in the "Smart St. Petersburg»
- This year
 - methods for selecting and ranking projects,
 - methods for determining priority areas of the city,

• the study of the city's IT infrastructure

Thank you for attention!

en.ifmo.ru

