



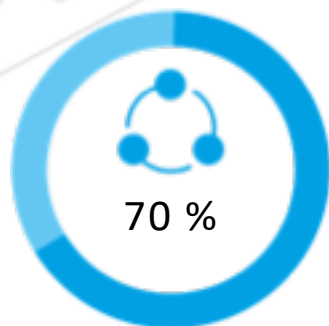
2018

# Society's digital transformation – strategic objective of ICT industry

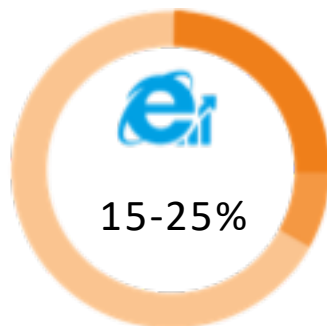
**Tolibjon Mirzakulov**

Head of Ecommerce Department  
Ministry for development of information  
technologies and communications  
Republic of Uzbekistan

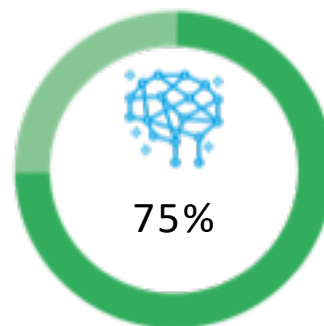
## XX century – oil age, XXI century – era of digital data



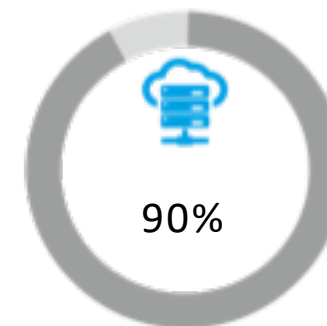
The link between ICT development and GDP



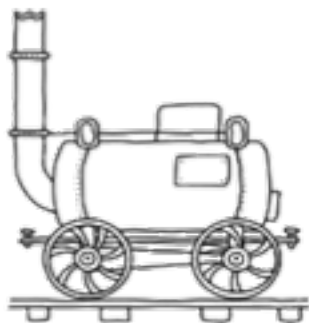
Annual growth of the Internet economy



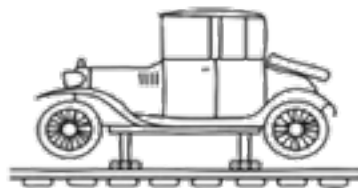
Commercial applications will use Artificial Intelligence By 2021



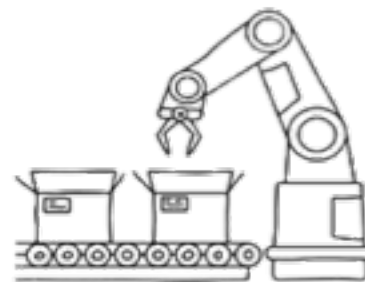
Large enterprises will receive revenue from services related to the provision of data by 2021



**Industry 1.0** – Inception of the industrial revolution with the advent of steam energy and water, mechanization replaces the manufactory.



**Industry 2.0** - invention of electricity and conveyor lines begin a mass production era.

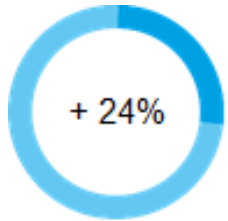


**Industry 3.0** - Automation of production by using electronics, programmable controllers, systems and robotics.

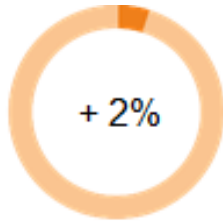


**Industry 4.0** - "Smart factories". Decision making process made by machines autonomously, using machine learning and analysis of large data, reports through IoT and cloud computing.

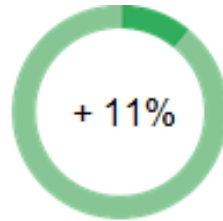
# ICT industry Development in Uzbekistan



Communication and information services



Export

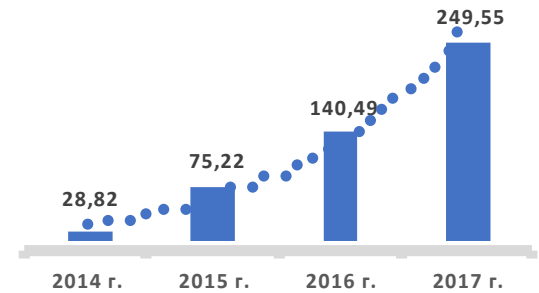


Investments

Issued online banking cards (m. units)



Number of transactions made by using of online banking cards through the Internet (m.)



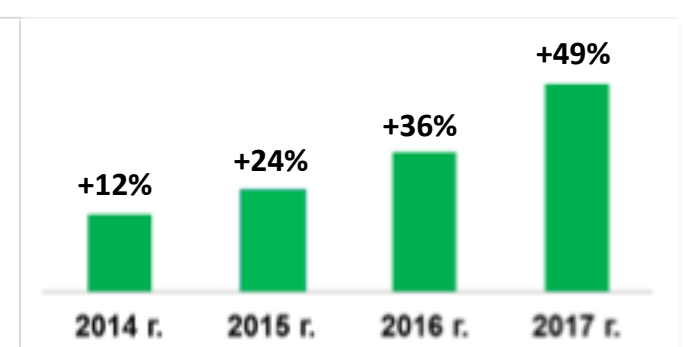
ICT services growth (b. UZS)



Computer services and programming growth graph (b. UZS)



Software products and services export



# Telecommunication infrastructure

**26,2 million** | Number of telephone service users



Mobile service



Local telephony

**20 million** | Number of Internet users



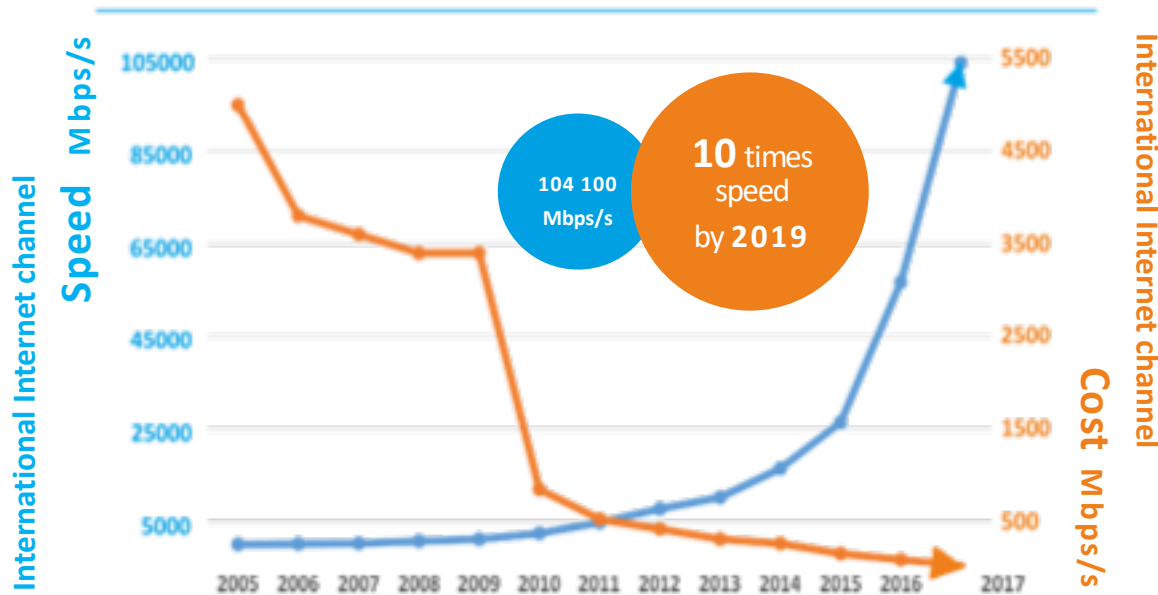
Mobile Internet



Fixed internet connection

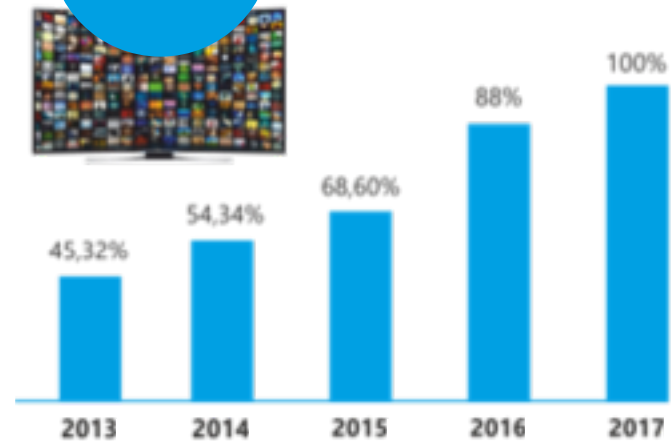


## International Internet channels growth and the set price reduction graph



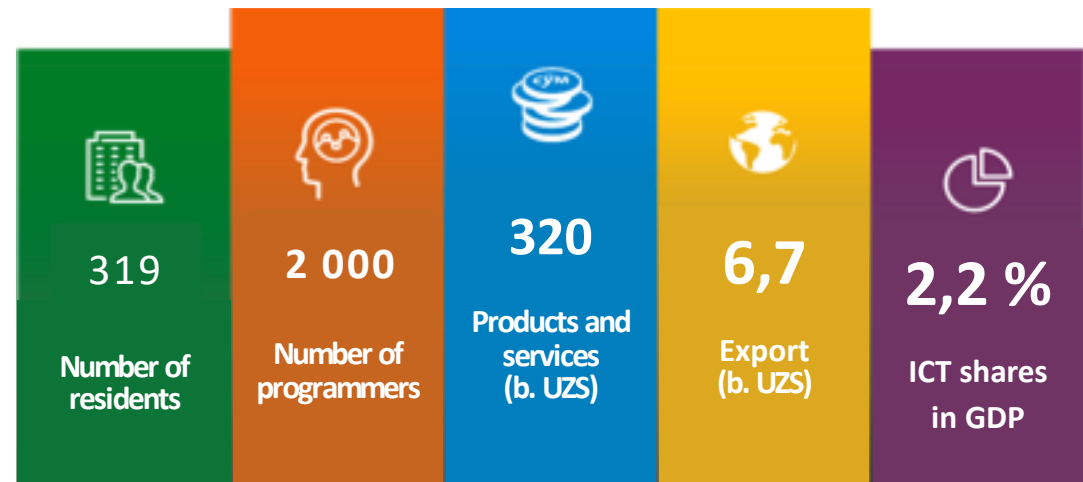
**100 %**  
Digital TV

**100%**  
Digital TV coverage





BENEFITS AND PREFERENCES		
1	All taxes types	0%
2	Mandatory contribution to the State Trust Funds	0%
3	Unified social tax	0%
4	Customs payments for imported equipment and component parts	0%
FOR INDIVIDUALS EMPLOYED BY COMPANY		
5	Personal income tax	7,5%
6	Insurance contributions to extra-budgetary pension fund	4,5%





## New staff

This year the labor market receives 99 graduates of Inha University in Tashkent and 1487 graduates of Tashkent University of Information Technologies, of which 213 are programmers



## E-Academy

For distance learning development in Uzbekistan, the "E-Academy" platform was launched



## Specialized IT-school

Specialized IT-school named after Muhammad al-Khorazmiy was opened in 2017



## Social support

Special courses on developing ICT skills for children of low-income families have been organizing since the beginning of 2018

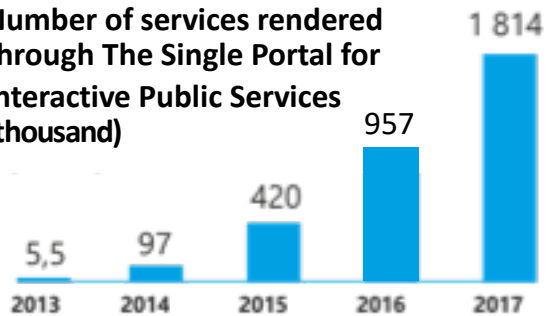


## Co-working Centers

Works to create modern co-working centers in country is underway

# E-government development

Number of services rendered through The Single Portal for Interactive Public Services (thousand)



## Uzbekistan's ranking in "Doing Business" by the indicator of convenience of business registration

Number of entrepreneurs registered in electronic form – 19 747 units.



SPISS is integrated with **18** information systems and **4** central databases



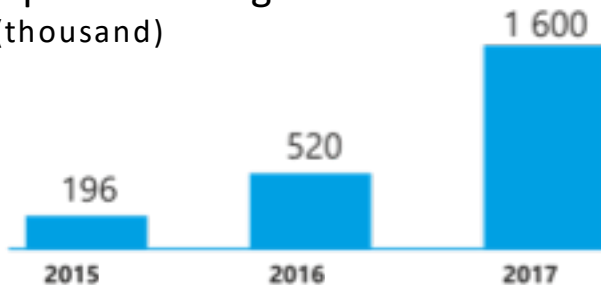
**58** state bodies connected to the interdepartmental data transmission network. **49** information systems connected to the interdepartmental integration platform



## Open data portal

More than **3 500** open data belong to **127** government agencies

Open data usage (thousand)



## Virtual Reception of the President of the Republic of Uzbekistan

Received and considered



**2,0** m. appeals



## UNIFIED SYSTEM OF PERFORMING DISCIPLINE CONTROL

Connected more than **200** organizations with a total number of **8** thousand users  
More than **14** thousand President messages (orders, tasks, etc.) sent to state bodies

## Strategic Objectives

### Telecommunication infrastructure

- Development of broadband Internet access in regions and qualitative organization of "last mile"
- Providing high-quality mobile communication
- Connection of all state institutions to an interdepartmental data transmission network
- Improving cooperation between national operator and local providers

### IT education Development

- Increasing the number of ICT specialists in labor market to at least 4%;
- Ensuring the continuity of ICT education;
- General increase population digital literacy;
- Improve government officials skills in using ICT

## Tasks for 2018

- Increasing the speed of access to international communication channels for 10 times
- Installing **4000** mobile base stations
- Laying over 2000 km of fiber optic links
- Developing a long-term plan for the development of digital television, including the introduction of new technologies (4K, 8K, etc.).
- Improving of scientific and educational activities of TUIT, by creating modern laboratories
- **Introducing new directions at Inha University in Tashkent**
- Developing cooperation between industrial companies and universities
- Creating coworking centers with specialized training courses on ICT in regions



# Priority directions for ICT industry development

8

## Strategic Objectives

### Information technologies development

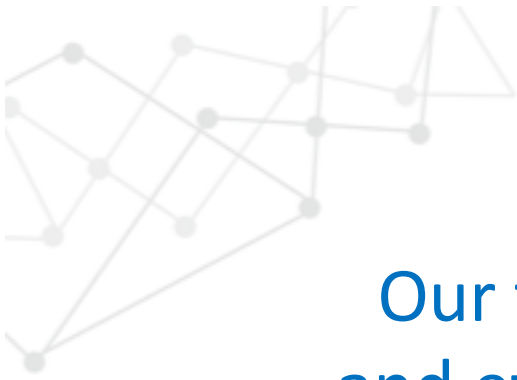
- Increasing ICT share in GDP at least to 4%;
- Increase in the volume of e-commerce turnover at least to 3 times
- ICT export increases 10 times
- Creating of at least 10 thousand new jobs
- Step-by-step formation of the digital economy in Uzbekistan

### E-Government development

- Be in TOP-40 in e-government development index of the United Nations
- Be in TOP-40 in Global Open Data Index
- Modern methods of interactions between population, entrepreneurs and the state
- Improving the effectiveness of public administration by providing the necessary data

## Tasks for 2018

- Creating the set of activities for improving the Innovation center «**Mirzo Ulugbek Innovation Center**»
- Development and implementation of E-commerce development plan
- Implementation of more than 10 projects of national content development in Internet
- Attracting foreign IT companies and investors
- Introduction of Information system "Khudud"
- Creation and implementation of the Development Program for the digital economy development
- Launching a portal called "My Opinion", which ensures collective appeal organization
- Foreign trade operations Unified Electronic Information System improvement
- "UZ E-VISA" Information system
- Unified National Project Management System
- Automation of activities of one-stop-shop centers
- Launching of information system for accounting a low-income families
- 20 information systems creation and transfer 50 public services to an interactive form



## Data – fuel

Our task is to create a stable supply system and effective engines driving our economy up



Thank you for your attention

