



AT A GLANCE



...YOU CREATE THE FUTURE

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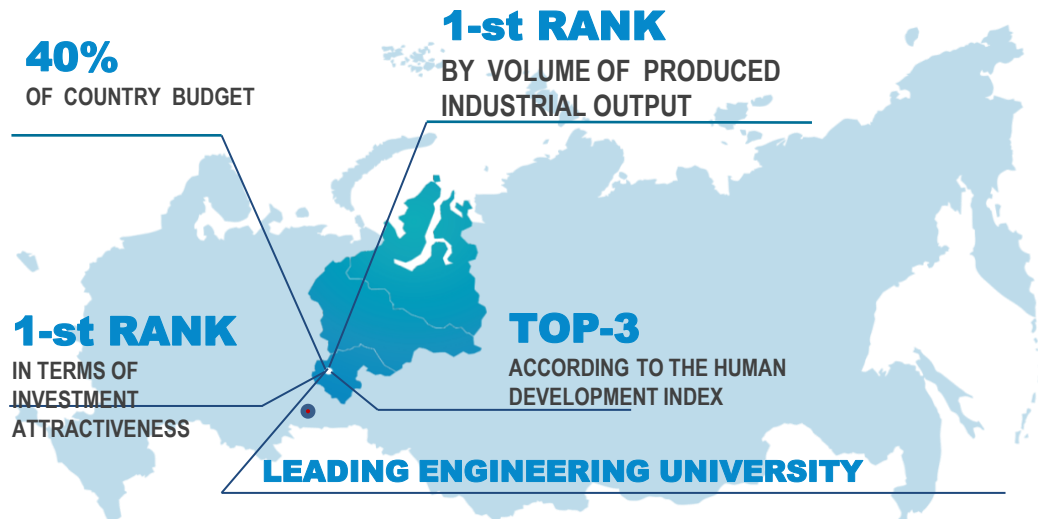
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7 COLLABORATIONS

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LOCATION

TYUMEN REGION



THE BASIS FOR THE DEVELOPMENT OF THE REGIONAL ECONOMY - OIL PRODUCTION, OIL REFINING, PETROCHEMICAL PRODUCTION, OILFIELD SERVICES, CONSTRUCTION



POPULATION- 3 660 030 (2017)



MULTICULTURAL CENTER - MORE THAN 140 NATIONALITIES

LOCATION

TYUMEN IS THE BEST CITY FOR QUALITY OF LIFE*



POPULATION
720 575



DISTANCE FROM TYUMEN TO MOSCOW
1725 KM



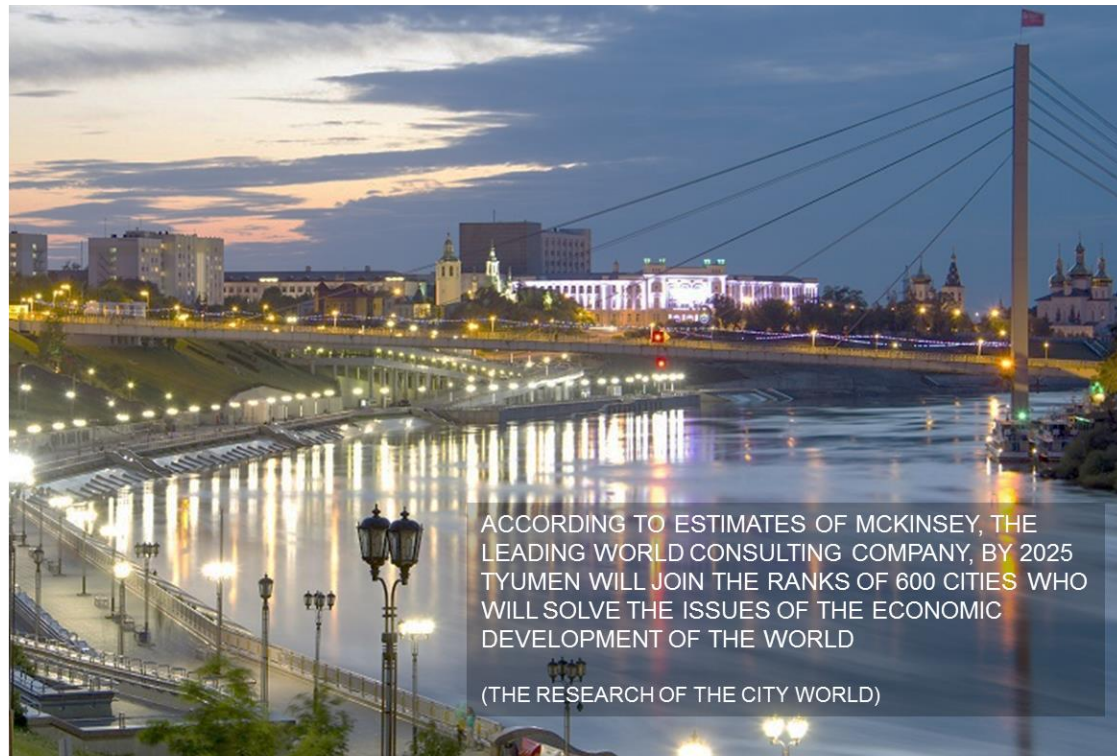
TRAVEL TIME FROM TYUMEN TO MOSCOW
36 ч



TRAVEL TIME FROM TYUMEN TO MOSCOW
2 ч 45 МИН



AVERAGE SUMMER TEMPERATURE
+20 °c
AVERAGE WINTER TEMPERATURE
-20 °c



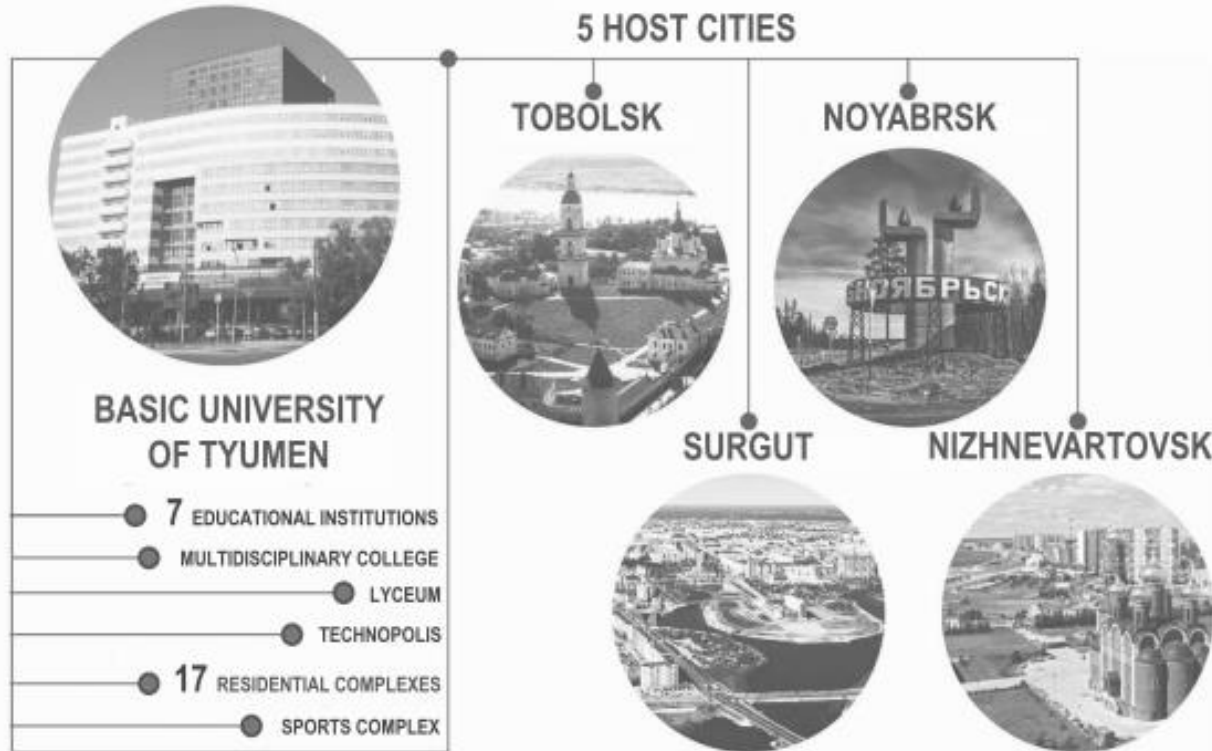
ACCORDING TO ESTIMATES OF MCKINSEY, THE LEADING WORLD CONSULTING COMPANY, BY 2025 TYUMEN WILL JOIN THE RANKS OF 600 CITIES WHO WILL SOLVE THE ISSUES OF THE ECONOMIC DEVELOPMENT OF THE WORLD

(THE RESEARCH OF THE CITY WORLD)

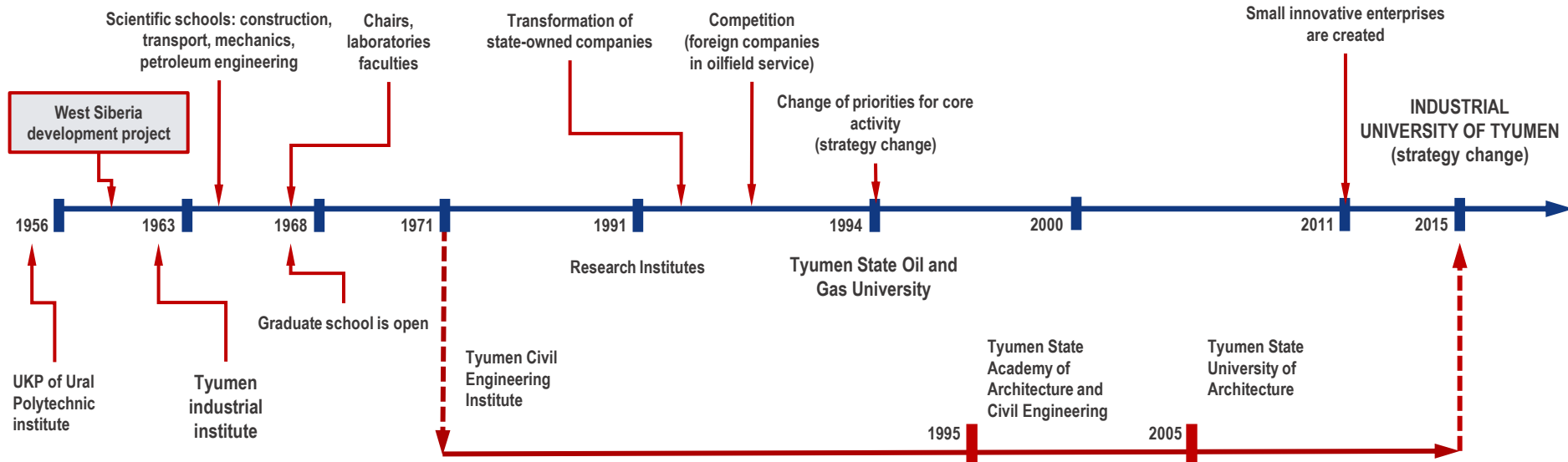
* ACCORDING TO THE NATIONAL RATING
2015, 2016, 2017гг.

LOCATION

INDUSTRIAL UNIVERSITY OF TYUMEN AND ITS AFFILIATES



HISTORY



MISSION



The **target model** of the Industrial University of Tyumen is to be the **center of attraction** of talents and formation of career trajectories, the **regional research platform**, the **generator of ideas** for innovation and technological development of the Tyumen region, a large-scale **communication platform** for industry leaders and the **center of design solutions** for the formation of a comfortable urban environment.

RANKINGS

56



86



600+



251-300

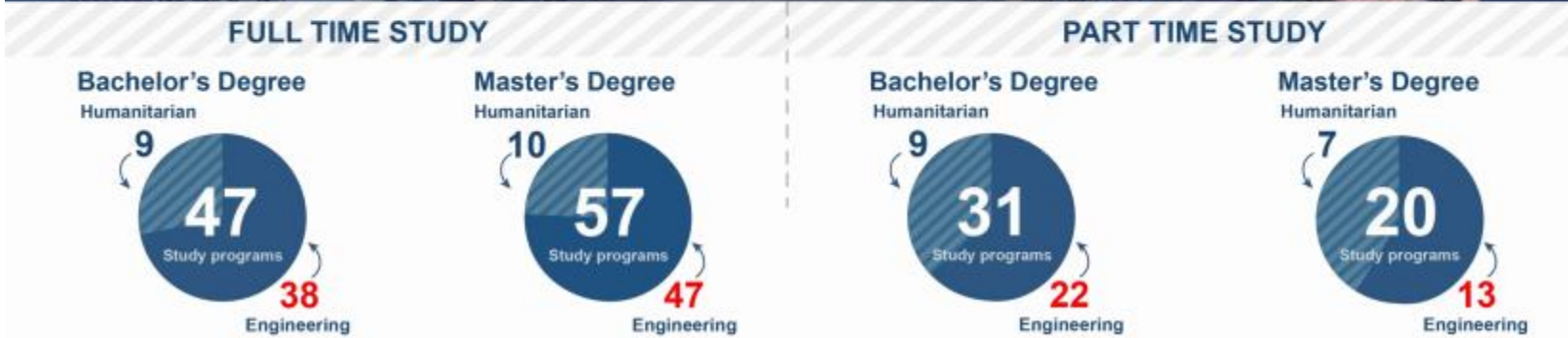


351-400



Industrial University of Tyumen is consistently among the **top 100 best universities in Russia**. 2018 IUT entered the Worldwide professional university rankings **RankPro 2017/2018** , first entered the QS rankings: Emerging Europe and Central Asia (**QS-EECA 2018**) и **QS BRICS 2019**.

EDUCATION



EDUCATION

BEST ACADEMIC PROGRAMS



26

EDUCATIONAL PROGRAMS OF THE INDUSTRIAL UNIVERSITY OF TYUMEN, ACCORDING TO INDEPENDENT EXPERTS ARE AMONG THE BEST PROGRAMS OF INNOVATIVE RUSSIA



• GEOLOGY



- LAND MANAGEMENT AND CADASTRES
- APPLIED GEODESY
- APPLIED GEOLOGY
- TECHNOLOGY OF GEOLOGICAL EXPLORATION



• ELECTRICAL POWER ENGINEERING AND ELECTRICAL ENGINEERING



- TECHNOLOGY OF TRANSPORT PROCESSES
- ABOVE-GROUND TRANSPORT AND TECHNOLOGICAL COMPLEXES
- OPERATION OF TRANSPORT-TECHNOLOGICAL MACHINES AND COMPLEXES



- CHEMICAL TECHNOLOGY
- ENERGY AND RESOURCE-SAVING PROCESSES IN CHEMICAL TECHNOLOGY, PETROCHEMISTRY AND BIOTECHNOLOGY



- ARCHITECTURE
- DESIGN OF ARCHITECTURAL ENVIRONMENT



• OIL AND GAS ENGINEERING



- ECONOMY
- MANAGEMENT
- PERSONNEL MANAGEMENT



- AUTOMATION OF TECHNOLOGICAL PROCESSES AND PRODUCTION
- MANAGEMENT IN TECHNICAL SYSTEMS



- MECHANICAL ENGINEERING
- TECHNOLOGICAL MACHINES AND EQUIPMENT
- MATERIALS SCIENCE AND MATERIALS TECHNOLOGY



• TECHNOSPHERE SAFETY



• INFORMATICS AND COMPUTING TECHNOLOGY

EDUCATION

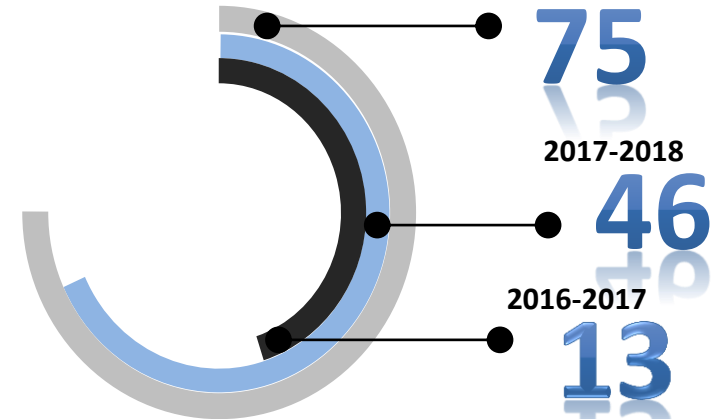
DUAL AND PROJECT ORIENTED LEARNING



- GEOLOGY
- MECHANICAL ENGINEERING
- CHEMICAL TECHNOLOGY
- ORGANIZATION AND TRAFFIC SAFETY
- TRANSPORT LOGISTICS
- OIL AND GAS BUSINESS
- ENERGY AND RESOURCE SAVING PROCESSES IN CHEMICAL TECHNOLOGY



NUMBER OF PROGRAMS 2020



80% STUDENTS IN 2020

EDUCATION

HIGHER ENGINEERING SCHOOL

EG Higher Engineering School of Tyumen Industrial University is an innovative educational platform, organized to create an educational ecosystem that forms engineers who are capable of constructing tools to manage the future.

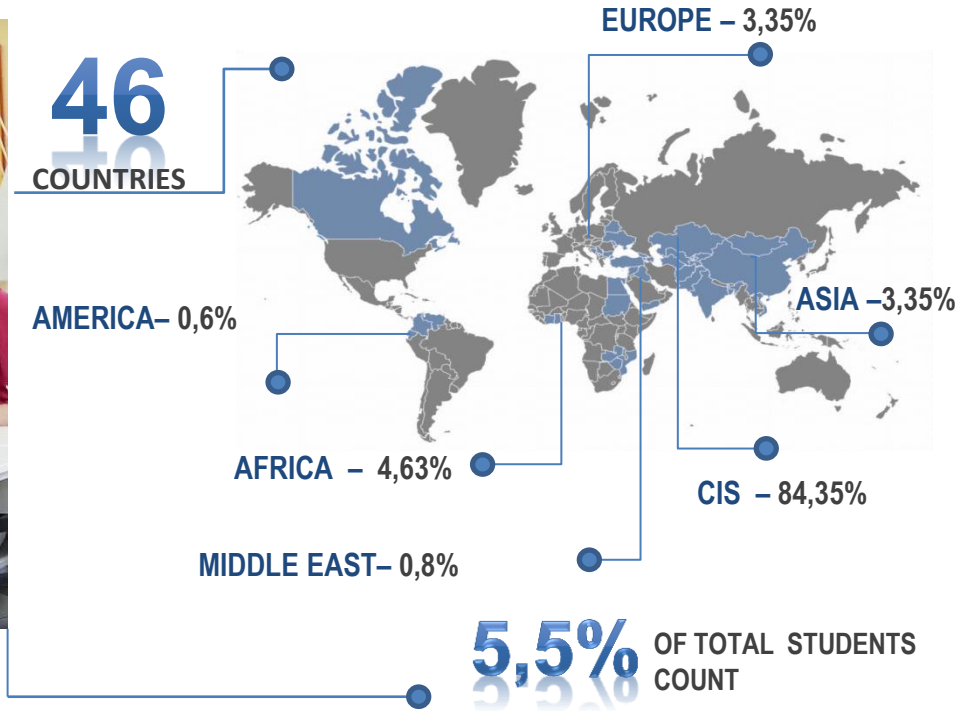
To achieve the stated goal, the School introduces new teaching methods, principles of organization of the educational space, selection of students and teachers, and administration of educational programs.

The main idea of the educational project is to implement the training of qualified personnel for the transition of the Russian Federation to the digital economy through the transformation of the educational program and the inclusion of practical engineering project activities.



EDUCATION

INTERNATIONAL STUDENTS AT IUT



2018-2019



1568

EDUCATION

MASTER PROGRAMS TAUGHT IN ENGLISH

2017-2018



OFFSHORE DRILLING

Through a combination of theory and practice we will teach you about offshore drilling technology and offshore well-casing. The course develops high levels of professional competence in the key areas of well construction on the Arctic shelf and well construction design in the shelf area.

2017-2018



GEOSTEERING

Increase of the oil and gas production efficiency, especially in complex deposits, is an increase of development well rates and injective capacity of wells. This result can be reached through the use of geosteering technology due to the optimal location of the wellbore in production zone in terms of resource exploitation.

2019-2020



**LOGISTICS AND SUPPLY CHAIN
MANAGEMENT**

The program focuses on the training of highly qualified logisticians - logistics managers, supply chain coordinators, analysts and researchers with an international methodology for strategic logistics management.

RESEARCH

- Creation of “temporary” research teams whose members have the opportunity to move from the position of a researcher to a teacher, to a business and back, while maintaining a stable financial position
- Transfer of specialists from partner enterprises to scientific teams to implement their innovative ideas and accelerate the implementation of development (with pay retained + co-financing from the enterprise)
- Co-financing of research and innovation projects by partner enterprises and technology transfer to the real sector
- Development of the service environment for the implementation of scientific and innovative projects (co-working zones, premises for project teams, a prototyping center, a center for collective use, research laboratories, etc.)



9 RESEARCH AND EDUCATION LABORATORIES'

TECHNOPOLIS **12500**
m²

UNIQUE MULTIDISCIPLINARY SCIENTIFIC AND LABORATORY COMPLEX OF THE UNIVERSITY

RESEARCH

DRILLING EQUIPMENT EXPERIMENTAL PLANT



The division specializes in the production, repair and maintenance of components for screw downhole motors. The division carries out research and development activities in the field of development and implementation of innovative technologies and technical means used in the drilling of oil and gas wells. On-the-site works are carried out by specialists of the metalworking department and the equipment service department.



RESEARCH

EXPERIMENTAL RESEARCH CENTERS



The structure of the IUT Technopolis includes more than 10 laboratories and research centers engaged in engineering surveys and design of construction of oil, gas, oil and gas condensate and other mineral deposits facilities; promising developments in the field of oil and gas production technologies, chemical technologies, hydrocarbon transportation etc.



RESEARCH

NAME LABORATORY OF GAZPROM

- determination of hydrocarbon composition
- determination of saturated vapor pressure
- determination of gas density under standard conditions
- determination of hydrogen sulfide and mercaptan sulfur
- determination of water vapor content and moisture dew point
- determination of the dew point temperature of hydrocarbons
- more than 40 units equipment



RESEARCH

INNOVATIVE SOLUTIONS

SMART PARK "YAMSKAYA SLOBODA"

PANIC BUTTON
"LIFE RAFT»

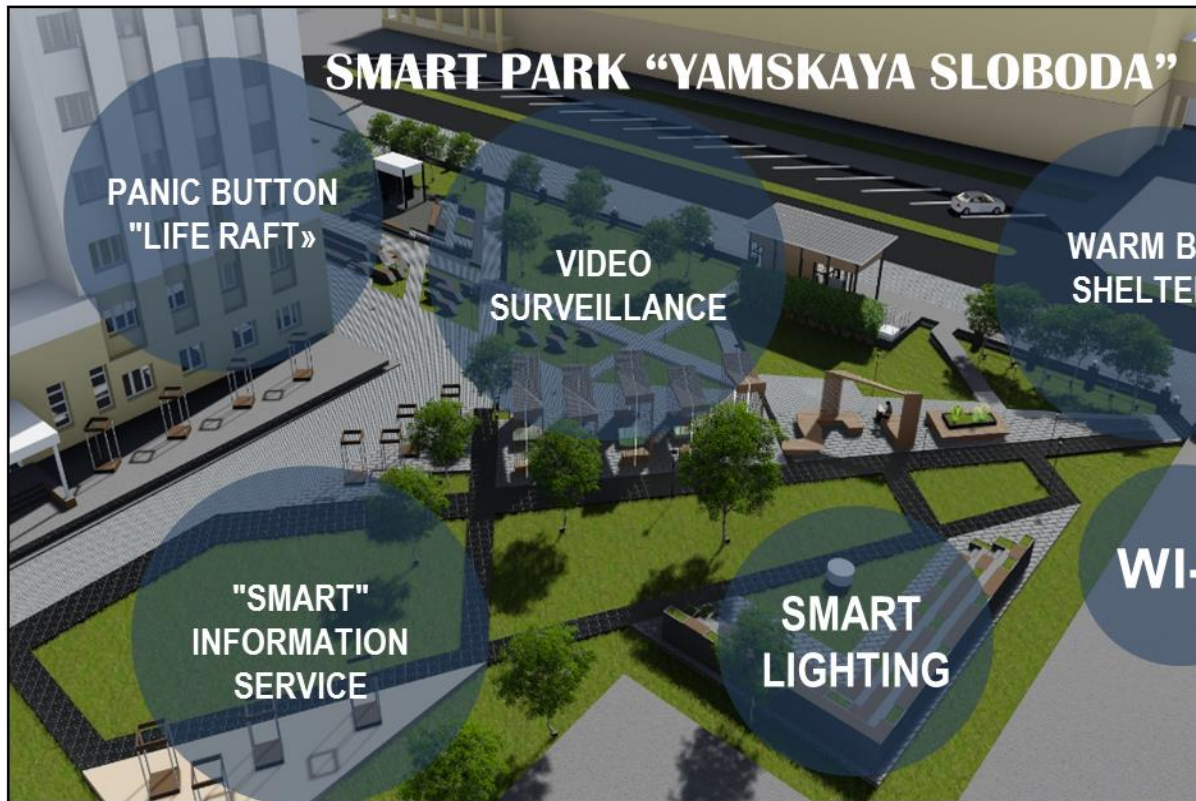
VIDEO
SURVEILLANCE

WARM BUS
SHELTERS

"SMART"
INFORMATION
SERVICE

SMART
LIGHTING

WI-FI



RESEARCH

STRATEGIC PROJECTS



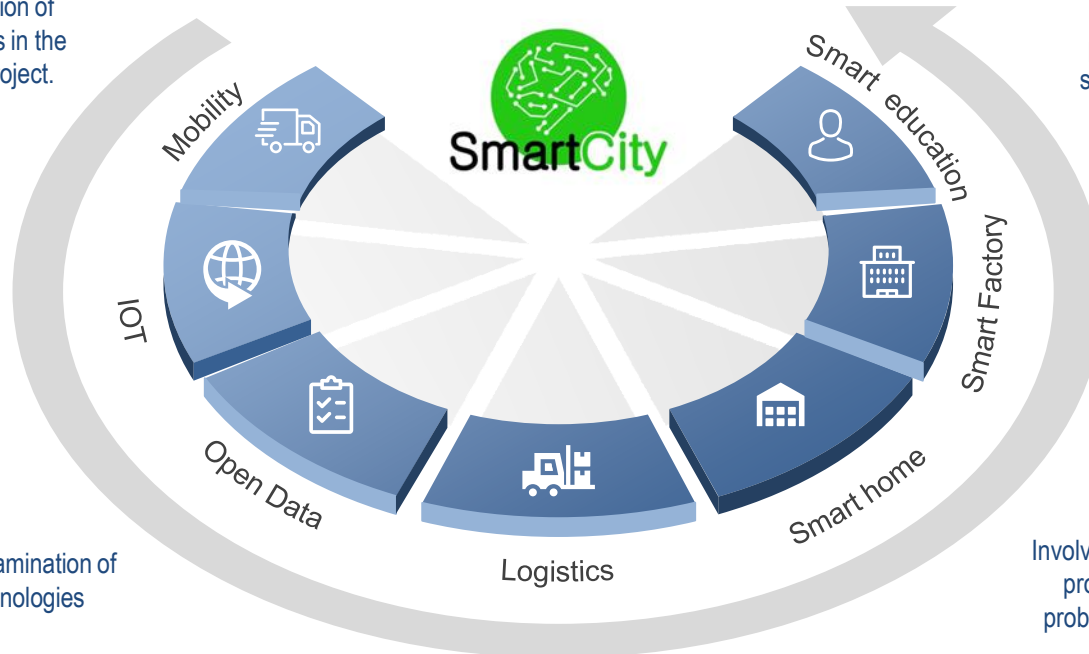
RESEARCH

SMART CITY IOT/ IIOT AND BIG DATA

The goal of the project is to form initiatives in the region to develop and implement solutions for the effective management of urban resources and the environment.

Development and implementation of software and hardware solutions in the framework of the Smart-City project.

In the IUT, development of the project training skills in the areas of smart technologies development and implementation.



Organization of consulting and examination of regional projects for smart technologies development.

Involvement of the city population and the professionals' community in solving problems of effective city management.

RESEARCH

STUDENTS INNOVATION PLATFORM

01

Youth initiatives center

Development of the ideas' generation, expert evaluation and implementation of projects of scientific, technical and social significance for the city the and region.



СТУДЕНЧЕСКАЯ
ИННОВАЦИОННАЯ
ПЛАТФОРМА

сип72.рф



02

Design and prototyping center

Establishing a point of attraction for gifted youth with a fundamental motivation for technical education.

03

Producer innovation center

Reengineering of existing student associations and creation of a business incubator.

1090 PARTICIPANTS → **312** IDEAS → **33** START UP PROJECTS → **5** START UPS LAUNCHED → **12** BILLION RUBLES

COLLABORATIONS

INDUSTRY ORIENTED UNIVERSITY



MORE THAN

150

PARTNERS FROM THE
INDUSTRY

8

CORE
CHAIRS

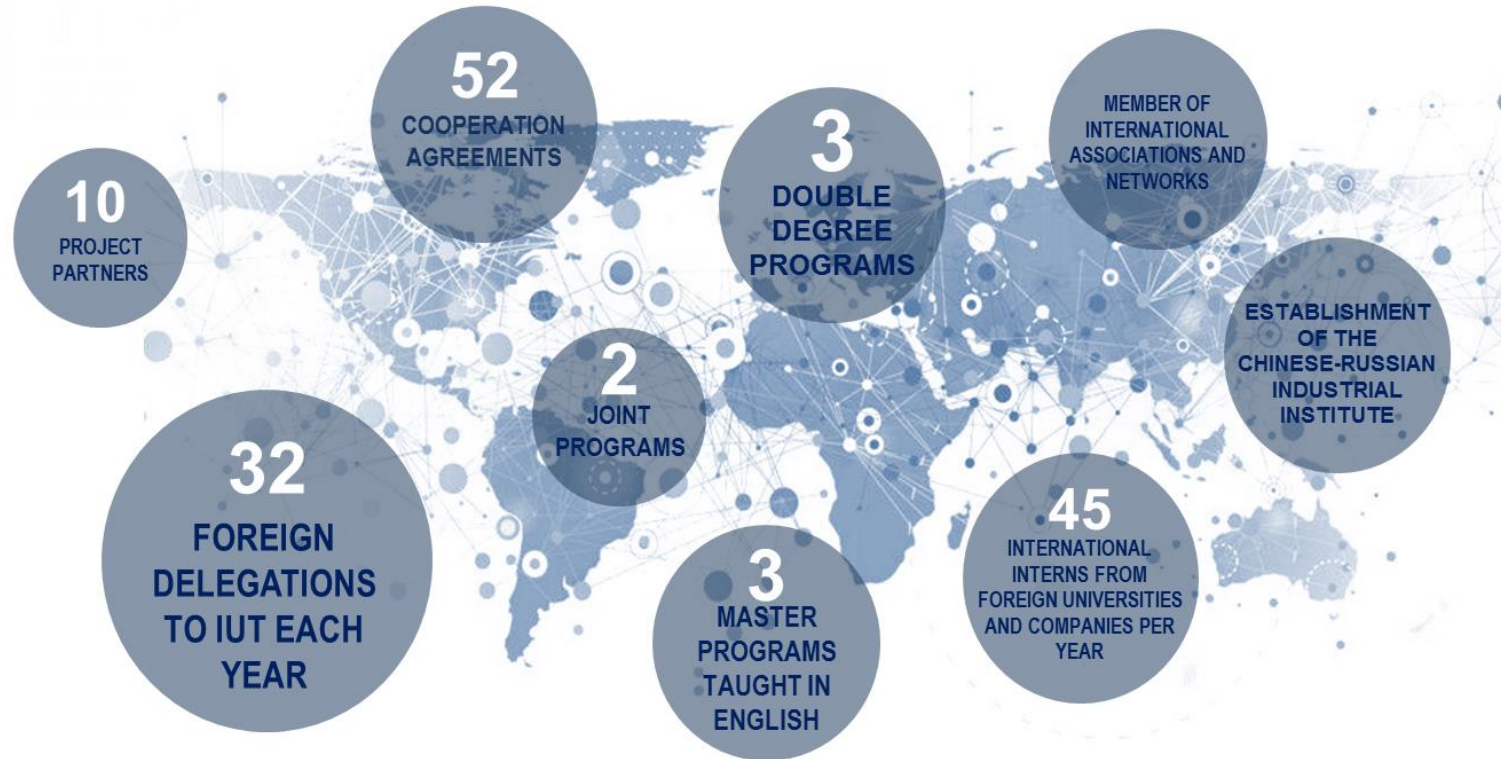
DUAL AND
PROJECT
ORIENTED
LEARNING

INDEPENDENT
ASSESSMENT OF
THE QUALITY OF
LEARNING
OUTCOMES

UPDATING THE
TECHNICAL
BASE OF
IUT

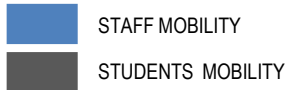
STAFF
RETRAINING
AT
IUT

COLLABORATIONS

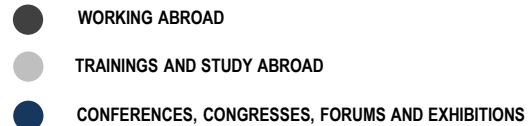
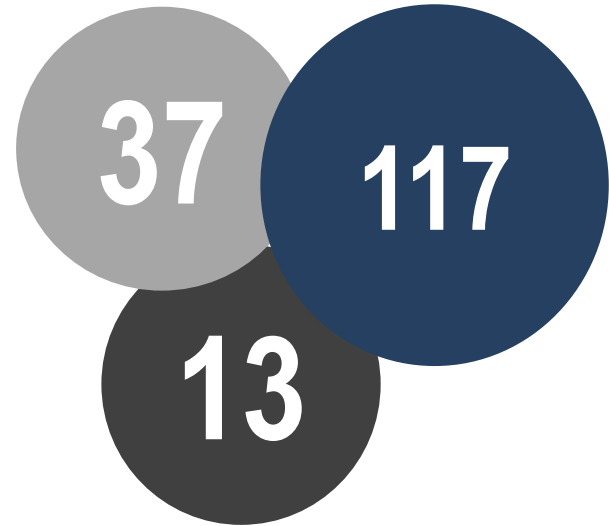


COLLABORATIONS

ACADEMIC MOBILITY DESTINATIONS



ACADEMIC MOBILITY TYPES



BEYOND STUDYING



CULTURAL EVENTS

The IUT has all the conditions for creativity: theatrical, vocal and choreographic studios; the IUT regularly hosts a variety of cultural and artistic events.



SPORT

The university has its own hockey team, which plays in the student hockey league; there are also IUT Sports Club, futsal, volleyball, tennis, basketball, rock-climbing, boxing and judo teams.



FESTIVALS

The IUT regularly serves as a venue for international festivals and forums. The annual landmark event is the 'Generation without Borders' International Festival of Youth and Students.

BEYOND STUDYING



SMART CITY HACKATON

As part of the IUT Smart City project, a national smart city hackathon has been held since 2017, which gathers teams from all over the country for competitions.



FIELD SCHOOLS

The IUT Students with geological specialties have the opportunity to participate in summer field schools and practices.



FORMULA STUDENT TEAM

The student engineering project has been implemented for several years. Under the guidance of mentors and experts, the IUT students have collected and constantly improved their race car to participate in Russian and international competitions.

www.tyuiu.ru

UNIVERSITY OPEN
FOR COOPERATION



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