



RIGA TECHNICAL UNIVERSITY

Latvian Centre of Engineering Science

ANNO 1862

RTU was established in 1862



**Oldest technical university
in the Baltic states**

RTU VALUES



RTU Strategy 2014 – 2020

MISSION

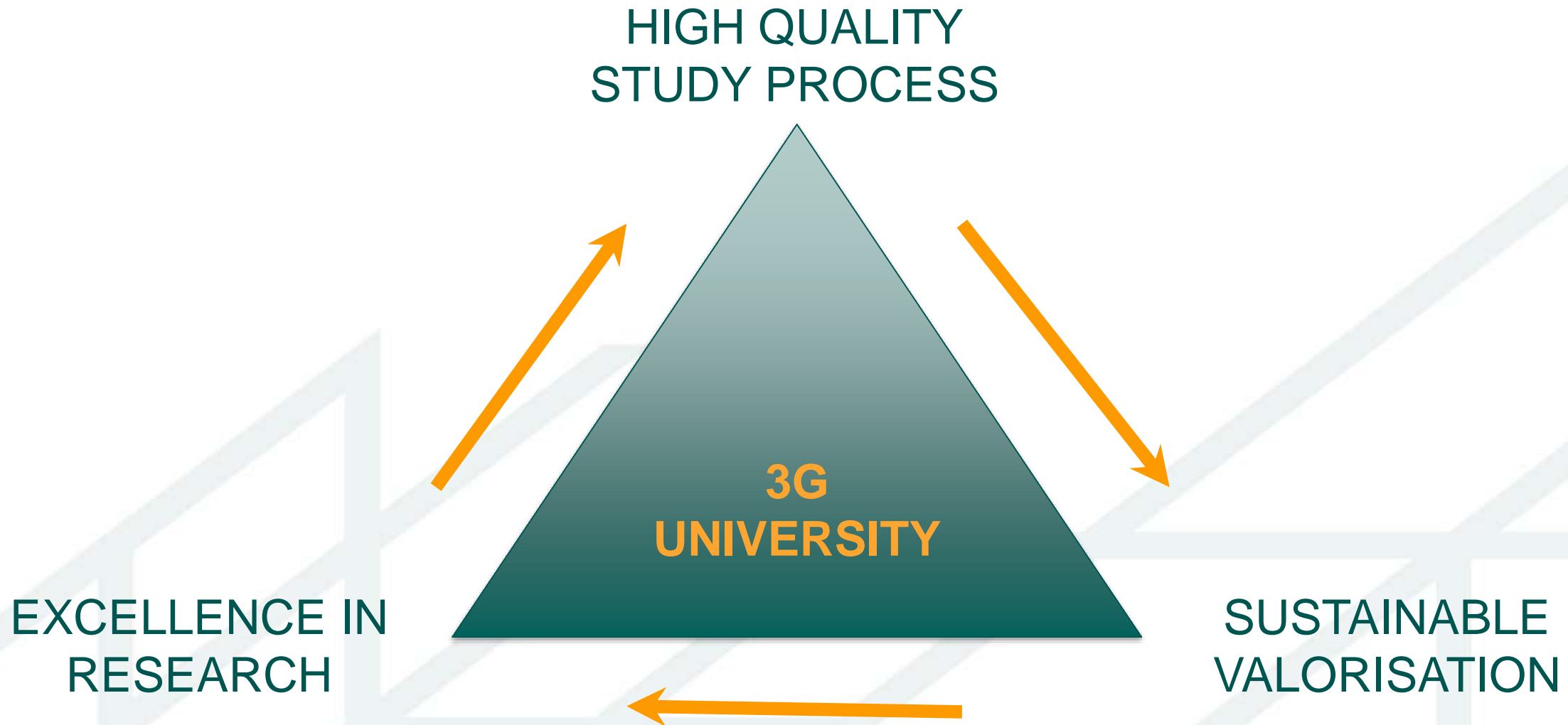
To ensure internationally competitive high quality scientific research, tertiary education, technology transfer and innovation for Latvian national economy and the society

VISION

Riga Technical University – a modern and prestigious university, internationally recognised as the leading university of science and innovations in the Baltic States – a cornerstone of the development of Latvia



OBJECTIVES



PRIORITIES



FACTS & FIGURES



12% FOREIGN STUDENTS

600 PhD STUDENTS



11 STUDY BRANCHES

48 STUDY PROGRAMS
COMPLETELY TAUGHT IN ENGLISH

1031 ACADEMIC STAFF AND
RESEARCHERS

4 AFFILIATIONS: CESIS, LIEPAJA,
VENTSPILS, DAUGAVPILS



RTU ENGINEERING HIGH SCHOOL



FACULTIES (schools)

- COMPUTER SCIENCE & INFORMATION TECHNOLOGY
- ELECTRONICS & TELECOMMUNICATIONS
- POWER & ELECTRICAL ENGINEERING
- MATERIAL SCIENCE & APPLIED CHEMISTRY
- MECHANICAL ENGINEERING, TRANSPORT & AERONAUTICS
- CIVIL ENGINEERING
- ARCHITECTURE
- ENGINEERING ECONOMICS & MANAGEMENT
- E-LEARNING TECHNOLOGIES & HUMANITIES



Campus in Kipsala



Located in green environment in the very heart of Riga

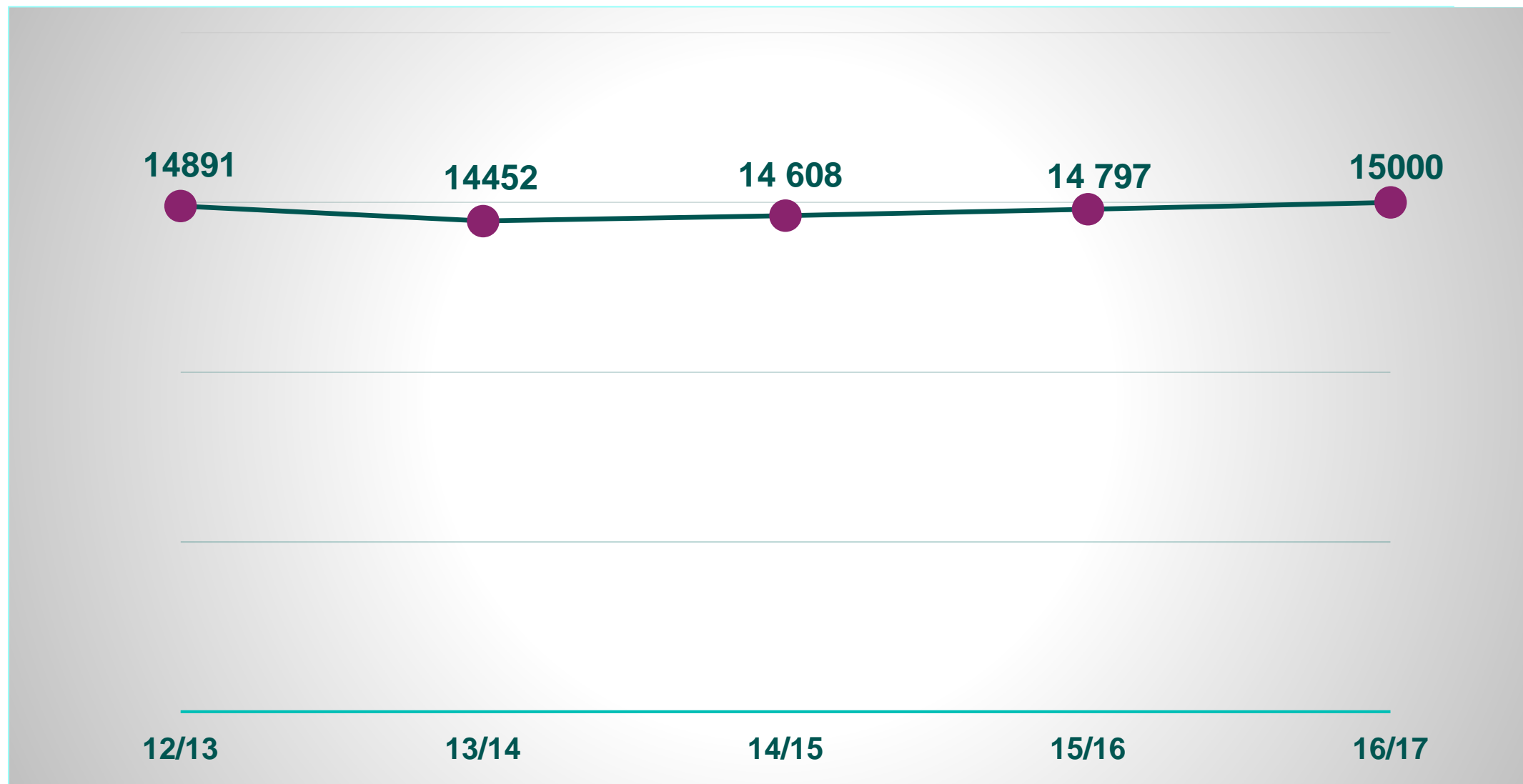
STUDY PROCESS

DOCTORAL STUDIES
4 YEARS

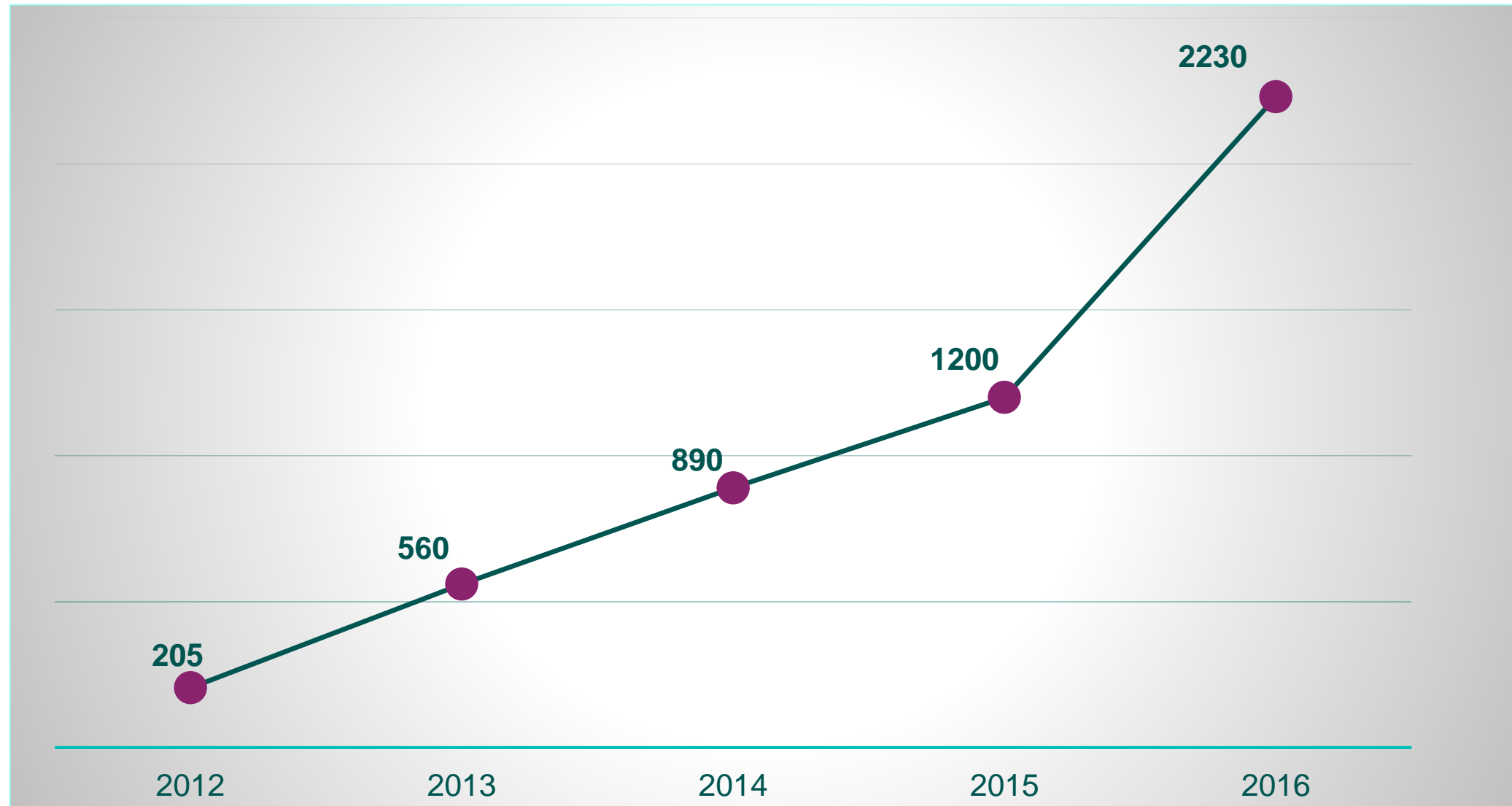
MASTER STUDIES
1-2 YEARS

BACHELOR STUDIES
3-5 YEARS

NUMBER OF STUDENTS



NUMBER OF FOREIGN STUDENTS

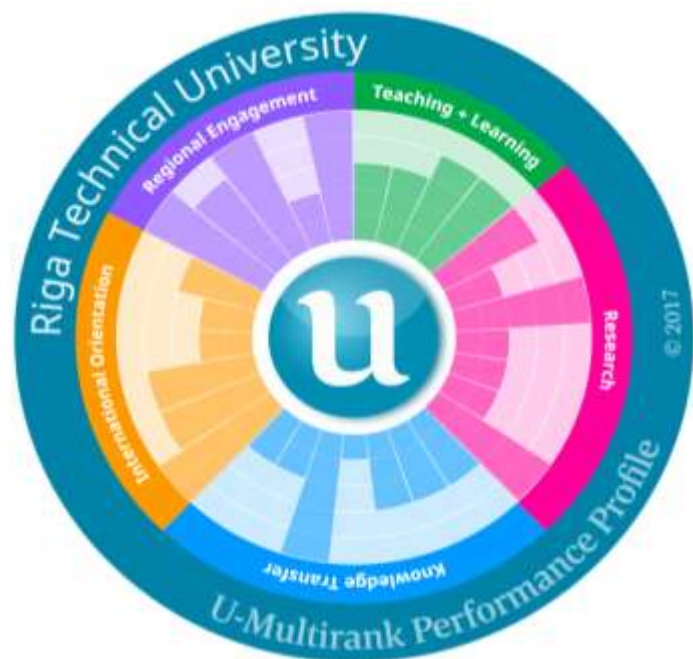


RECOGNITIONS

SUSTAINABILITY INDEX 2017 GOLDEN CATEGORY



RANKINGS



Academic Reputation	401+
Employer Reputation	193
Citations per Faculty	401+
Faculty Student	401+
International Faculty	401+
International Students	401+

According to QS World University Rankings, RTU is **between 2.5% of the best universities in the world**, taking the position from 651.-700. place

RESEARCH PLATFORMS

ENERGY & ENVIRONMENT

- Renewable and Alternative Sources of Energy and Technologies for their Conversion, Energy Saving and Efficiency, Environmental Technologies and Quality Management

CITIES & DEVELOPMENT

- Interaction of Multifactor in Landscape Development, Real Estate Process Prognoses

INFORMATION & COMMUNICATION

- Modeling and Simulation, Distributed Artificial Intelligence, Viable Systems Approach, Hybrid Simulation-Based Optimization Tools, Smart Networks, Capacity Automatics, Communications in Optical Grids, Smart Lighting Grids

TRANSPORT

- Unmanned Aircraft Design, Aeronautics & Space Technologies, Vehicles Design, Railway & Auto Transport, Transport Economics & Logistics, Mechanics & Non-Linear Dynamics, Biomechanics, Vibration Technologies, Robotics & Automation, Mechatronics, CAD-CAM Technologies

MATERIALS, PROCESSES

- Composite Materials, Nanoparticles & Nanocoverage, Biomaterials, Arterial Implants, Materials for Optoelectronics & IT, Microclimate Regulated Clothing, Bionano & Microsensors, Supperelastic Pressure Sensors, Electrochemical Surface Coverage, Sol-Gel Technology, Organic Synthesis of Compounds & Materials

SECURITY & DEFENSE

- Electrical Controls, Power Quality & Delivery Safety, Water Safety, Human Safety, Cyberphysical Systems, Customs & Border Protection

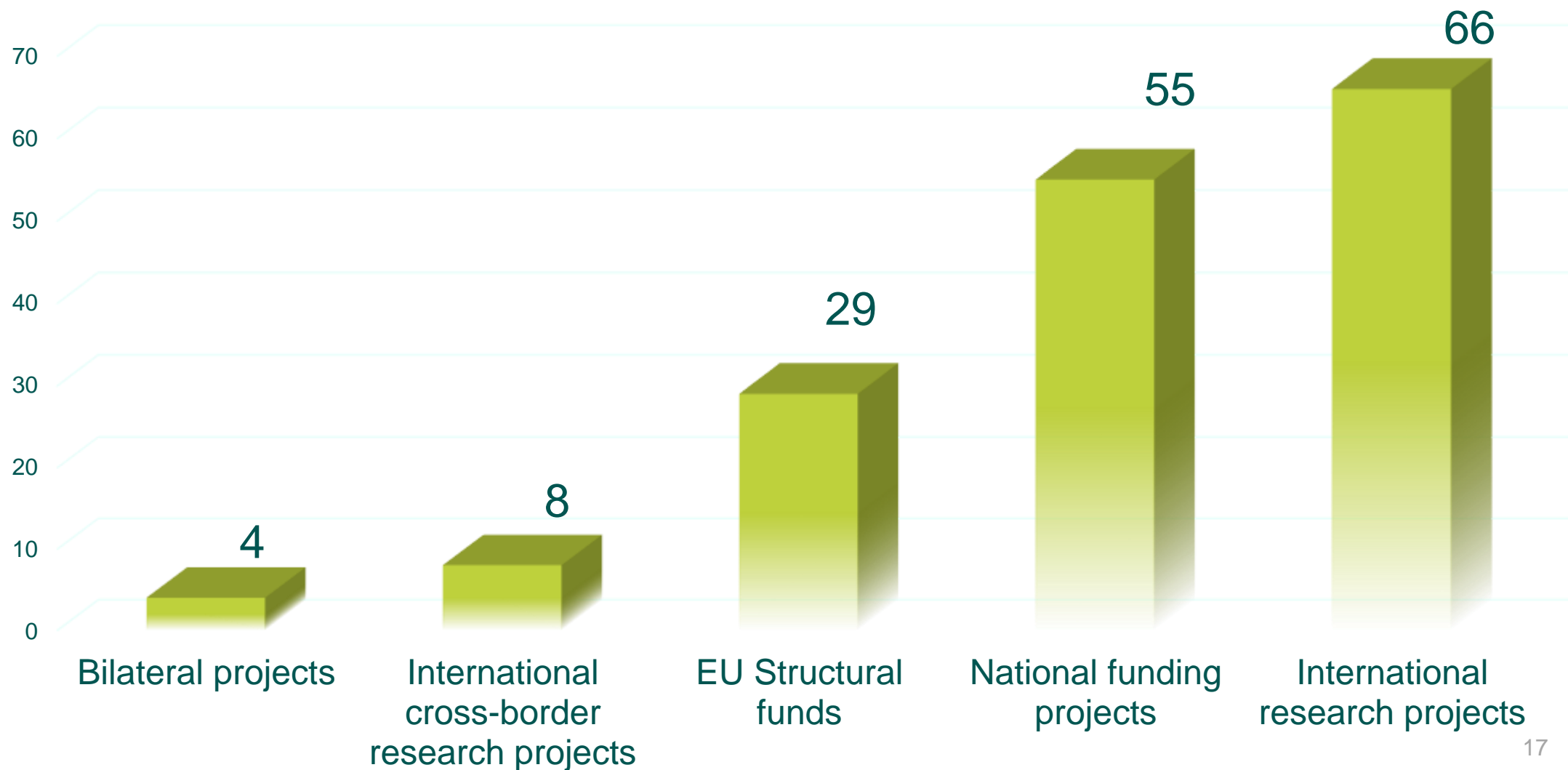
SCIENTIFIC JOURNALS

The results of RTU academic and scientific staff research are published in the editions «Scientific Journal of RTU» in the following fields:

- Architecture
- Civil Engineering
- Computer Science
- Power and Electrical Engineering
- Engineering Economics and Management
- Material Science and Applied Chemistry
- Humanities and Social Sciences
- Electronics and Telecommunications
- Transport and Mechanical Engineering



IMPLEMENTED RESEARCH PROJECTS / 2015



RESEARCH PROJECTS

- HORIZON 2020
- EU 7TH FRAMEWORK PROJECTS
- EUROPEAN SPACE AGENCY PROJECTS
- EU STRUCTURAL FUND PROJECTS
- NATIONAL STATE FUNDED RESEARCH PROJECTS
- INTERNAL RESEARCH PROJECTS



RTU DESIGN FACTORY

«A place where students and scientists can simply DO!»



We can help with the following



Tools

3d printing
Laser cutting
CNC milling
CNC lathe
Silicone molding
Electronics



Engineering

Mechanical Engineering
Robotics



Space

3d printing laboratory
Molding laboratory
Dirty prototyping
Meeting room
Hot desk



Activities

Summer school
Study course
Workshop
Events

rtudf.rtu.lv



NETWORKS

CESAER

conference of european schools
for advanced engineering education
and research



European Society for Engineering Education
Europäische Gesellschaft für Ingenieur-Ausbildung
Société Européenne pour la Formation des Ingénieurs



EUA

European University Association



Association of
International Educators



WORLD CUSTOMS ORGANIZATION



RTU STUDENTS PARLIAMENT

RTU SP – OLDEST STUDENT SELF-GOVERNMENT IN LATVIA



STUDENTU PARLAMENTS

EST. 1992

STUDENT ACTIVITIES



RTU offers on campus accommodation in a fully equipped modern dormitory building



Right across from the campus, students have access to a large shopping mall, and the dormitory is within a walking distance from most of RTU faculties.



RTU – the best sports university in Latvia!

- Sports activities are compulsory for all first-year students
- 10 different kinds of sports
- RTU owns Olympic swimming pool and recreation centre «Ronisi» located at the seaside
- Professional teams in floorball, football, basketball, volleyball



CULTURAL ACTIVITIES

- Folk dance ensemble «VEKTORS»
- Mixed choir «VIVERE»
- Male choir «GAUDEAMUS»
- Female choir «DELTA»
- Brass band «SPO»
- RTU Big band
- String ensemble «GAIVA»
- Vocal ensemble «JAUNA NIANSE»
- Student theater «KAMERTONIS», «SPĒLE»
- Postfolk group «DABA SAN»





THANK YOU FOR YOUR
ATTENTION

www.rtu.lv