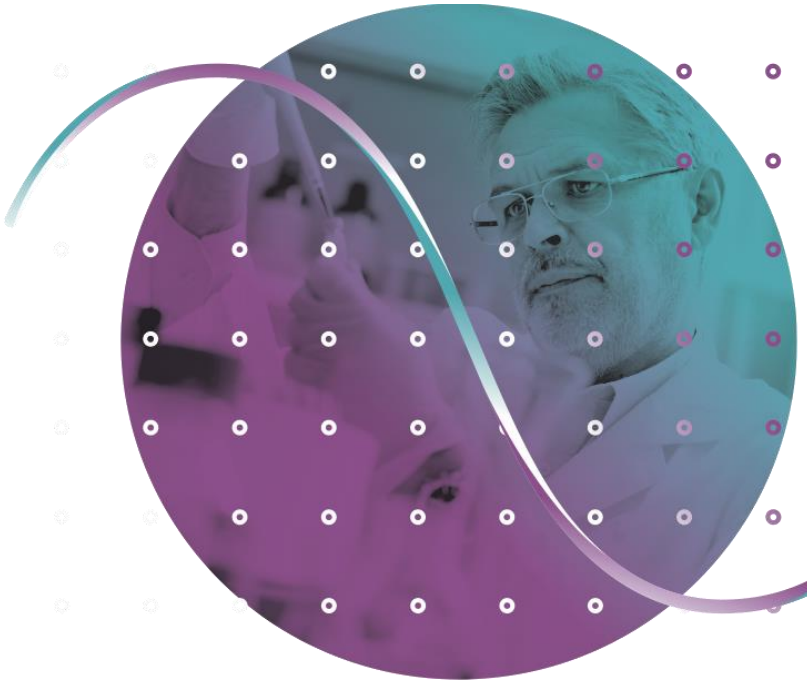
Focus on
the Future

OPEN R & D
LITHUANIA

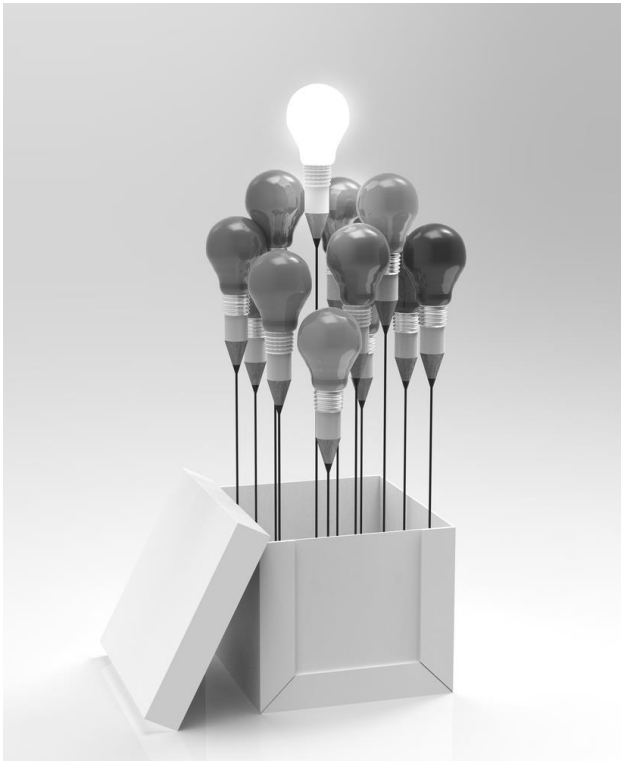


Our Competence to Your Business

Open R&D Network in Lithuania

The biggest excellence network of innovation infrastructure, services and competence in the Baltic countries

- A modern, operating open access R&D facilities, equipment, services, and high-level R&D intellectual potential ...
- ...to create and develop R & D activities in engineering and information technology, biomedicine and biotechnology, materials science, physical and chemical technologies, natural resources and agriculture...
- ...easily accessible and located in the three largest cities of Lithuania – Vilnius, Kaunas and Klaipėda and...
- ... concentrated in five integrated science, studies and business valleys - Saulėtekis, Santara, Santaka, Nemunas and marine.



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Integrated Science, Study and Business Valleys

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- Access to skills and networking – concentration of scientists, researchers, developers and university academia, close collaboration of knowledge-intensive businesses with science and study institutions, opportunity to be co-located with other companies in the same sector (clusters) and region
- Research excellence – open access labs, R&D projects supported by EU/state, application of research results in industry and business
- High-quality infrastructure and premises – infrastructure for research, innovation and new technology development and comfortable conditions to establish new technology-oriented businesses – offices, labs, business incubators.
- Increased international competitiveness

SANTARA VALLEY

SANTAKA VALLEY

SAULĖTEKIS VALLEY

NEMUNAS VALLEY

MARINE VALLEY

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Integrated Science, Study and Business Valleys

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MARINE VALLEY

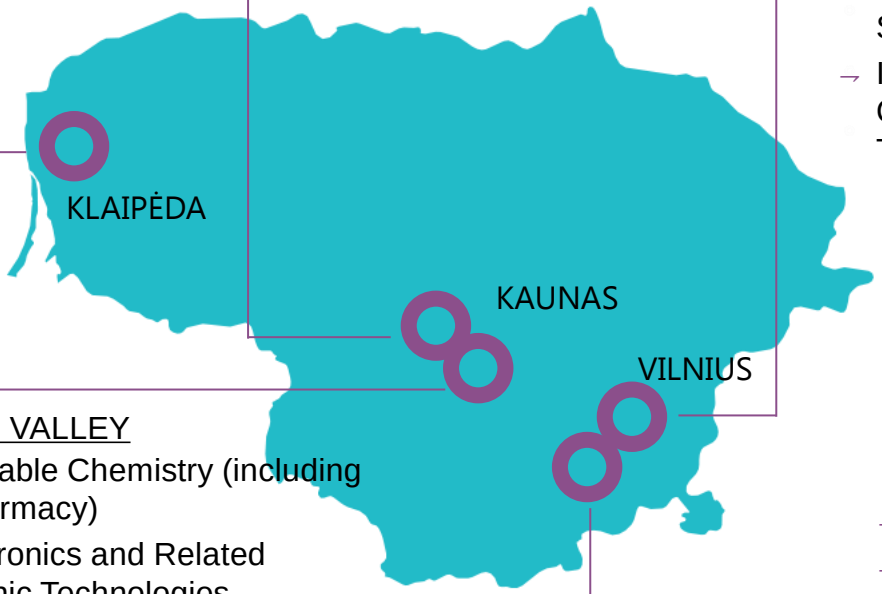
- Marine environment
- Marine technologies

NEMUNAS VALLEY

- Agrobiotechnology, Bioenergy and Forestry
- Food technology, safety and health

SANTARA VALLEY

- Biotechnology;
- Innovative Medical Technologies, Molecular Medicine and Biopharmacy
- Ecosystems and Sustainable Development;
- Informatics and Communication Technologies



SANTAKA VALLEY

- Sustainable Chemistry (including Bio pharmacy)
- Mechatronics and Related Electronic Technologies
- Future Energy and (including Environmental Engineering)
- Information and Telecommunication Technologies

SAULĖTEKIS VALLEY

- Laser and Light Technologies
- Materials Science and Nanotechnologies
- Semiconductor Physics and Electronics
- Civil Engineering

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Open Access Centres
Open access to R&D

Open access centres – centres of excellence with modern equipment, advanced technologies and world-class scientific potential.

- → Do you want to create a new advanced research-based product?
- → Do you need experimental research or various measurements?
- → Do you want to construct a prototype?
- → Is it necessary to improve the existing technology?
- → Do you need Professional assistance in research, technology and innovation issues?

Researchers and qualified technology transfer professionals working in open access centers, are ready to help you in realizing your business ideas and becoming an innovative market leader.

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Open Access Centres located in 5 Valleys

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MARINE VALLEY

- National Open Access Centre of Marine Sciences and Technologies

NEMUNAS VALLEY

- Animal Health and Material of Animal Origin Quality Open Access Centre
- Food Science and Technology Competence Centre
- Open Access Joint Research Centre of Agriculture and Forestry

SANTARA VALLEY

- Joint Life Science Centre
- Information Technology Open Access Centre
- Open Access Centre of Nature Research
- Joint Centre of Innovative Medicine

SANTAKA VALLEY

- Centre for the Latest Pharmaceutical and Health Technologies
- National Open Access Scientific Centre for Future Energy Technologies
- National Open Access R&D Centre within Kaunas University of Technology

SAULĖTEKIS VALLEY

- Centre for Physical Sciences and Technology
- Multi-functional laser facility “NAGLIS”
- Civil Engineering Research Centre

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CENTRE FOR THE LATEST PHARMACEUTICAL AND HEALTH TECHNOLOGIES

OPEN R & D LITHUANIA

Centre for the Latest Pharmaceutical and Health Technologies

SANTAKA VALLEY

Centre for the Latest Pharmaceutical and Health Technologies

CENTRE FOR THE LATEST PHARMACEUTICAL AND HEALTH TECHNOLOGIES

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Modern medical technology and pharmaceutical laboratories, which employ highly-skilled Lithuanian and foreign scientists conducting research in medical, pharmaceutical and biopharmaceutical fields.

Advantages of the centre:

- **Concentration** of similar and/or related laboratories and departments into one building
- **Consolidation** of human resources
- **Optimization** of equipment needed for R&D development
- **Efficiency** of costs and management
- **Open access to laboratories**
- **Quality of R&D** activities
- **Partnership** between educational, scientific and business institutions

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Centre for the Latest Pharmaceutical and Health Technologies

CENTRE FOR THE LATEST PHARMACEUTICAL AND HEALTH TECHNOLOGIES

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R&D collaboration areas

- Investigation of natural biologically active compounds and phytodrugs
- Tissue engineering – tissue engnieering of heart valves and cartilage
- Preclinical study of drugs, clinical trials, diagnostic medical devices trials
- Investigation of pharmaceutical targets in tissues. Personalised medicine
- Investigation of proteins and peptids: technologies for extraction, purification
- Search for biomarkers of early diagnostics of gastrointestinal cancer
- Development of new innovative means and methods for early diagnostics of Alzheimer's disease
- Investigation of molecular mechanisms of ischemic and pharmacological preconditioning in brain and heart in order to develop innovative methods for neuro- and cardioprotection in ischemic syndromes
- Genetic epidemiological studies of CVD

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Centre for the Latest Pharmaceutical and Health Technologies

CENTRE FOR THE LATEST PHARMACEUTICAL AND HEALTH TECHNOLOGIES

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Success stories

"In cooperation with Biok Laboratory we have developed cosmetic line for men called Aras. Also, the same group of scientists together with Aconitum UAB has developed an anti-cancer herbal preparation for maintenance therapy.

Justas Babarskas, Head of the centre

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NATIONAL OPEN ACCESS SCIENTIFIC CENTRE FOR FUTURE ENERGY TECHNOLOGIES

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National Open Access Scientific Centre for Future Energy Technologies

SANTAKA VALLEY

National Open Access Scientific Centre for Future Energy Technologies

NATIONAL OPEN ACCESS SCIENTIFIC CENTRE FOR FUTURE ENERGY TECHNOLOGIES

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The exceptional experience, expertise and scientific potential in energy and related fields

Fields of our services

- Thermal physics, gas and liquid dynamics and metrology research
- Research of materials, processes and technologies, devoted to use renewable energy sources, to develop hydrogen energy, to efficiently use energy sources and reduce environmental pollution
- Safety and reliability research of nuclear and thermal nuclear power engineering and other industrial objects
- Methods of nuclear waste management, also terminating the operation of Ignalina nuclear power plant
- Simulation and management of power systems, energy economy

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National Open Access Scientific Centre for Future Energy Technologies

NATIONAL OPEN ACCESS SCIENTIFIC CENTRE FOR FUTURE ENERGY TECHNOLOGIES

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Popular services:

- → Wind power plants planning, feasibility studies, consulting biogas plants
- → Research and visualisation of hydrodynamic and aerodynamic parameters
- → Combustion process optimization
- → Research of efficiency of small and medium capacity heat-equipment burning the solid biofuel and the implementation of innovative technologies
- → Safety assessment of nuclear power plants
- → Testing of materials, assessment and analysis of their qualitative indicators
- → Surface analysis of the composition of new composite fuel cell development, hydrogen technology
- → Energy systems modeling (e-chains, local design needs, the state of the energy sector policy formation)

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National Open Access Scientific Centre for Future Energy Technologies

NATIONAL OPEN ACCESS SCIENTIFIC CENTRE FOR FUTURE ENERGY TECHNOLOGIES

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Success stories

We successfully cooperate with the New Century Holdings (USA) holds SIA GroGlass Company and carry out their research output, using X-ray photoelectron spectroscopy.

Also, our researchers have developed a method that allows to check high bandwidth electromagnetic meters of wastewater on site using mobile flow measurement system.

This method was used by the company Kauno vandenys: the company on site checked its water treatment system. Time and money was saved.

Deputy Director Rimantas Levinskas

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NATIONAL OPEN ACCESS R&D CENTRE WITHIN KAUNAS UNIVERSITY OF TECHNOLOGY

OPEN R & D LITHUANIA

National Open Access R&D Centre within Kaunas University of Technology

SANTAKA VALLEY

National Open Access R&D Centre within Kaunas University of Technology

NACIONALINIS ATVIROS PRIEIGOS MTEP CENTRAS KTU

OPEN R & D LIETUVA

We are famous throughout the world for our breakthroughs in ultrasound, organic chemistry, mechatronics, system diagnostics, environmental engineering and many other fields.

Our services

Diagnostic and measurement technologies

- → Biomechanics
- → Diagnostic technologies
- → Machine and mechanism diagnostic research
- → Signal and image processing

Smart environments and information technology

- → Automation, control and robotics
- → Internet of things and services
- → Multidisciplinary models
- → Systems engineering

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National Open Access R&D Centre within Kaunas University of Technology

NACIONALINIS ATVIROS PRIEIGOS MTEP CENTRAS KTU

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Our services

New materials for high-tech

- → Functional molecules and materials
- → Smart materials

Sustainable growth and social-cultural development

- → Innovation, growth and competitiveness
- → Identities and governance in Europe and worldwide
- → Sustainable, innovative and secure society

Technologies for sustainable development and energy

- → Environmental protection and environmental engineering
- → Future production
- → Healthy food
- → Intelligent energy
- → Micro and Nanotechnology

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National Open Access R&D Centre within Kaunas University of Technology

NACIONALINIS ATVIROS PRIEIGOS MTEP CENTRAS KTU

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They trust us

ThermoFisher SCIENTIFIC

SAMSUNG

START UP .LT We build startups

DTARGET a Premier Research Company

Fima

.NFQ NET FREQUENCY

LRT Lietuvos nacionalinis radijas ir televizija

MEGA SHOPPING AND LEISURE CENTRE

Omnitel

AgroSmart

TECHNOPOLIS Mokslo ir technologijų parkas

APP CAMP

INTEGRITY

LIETUVOS PAŠTAS

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Focus on —
the Future

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Let's innovate together

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