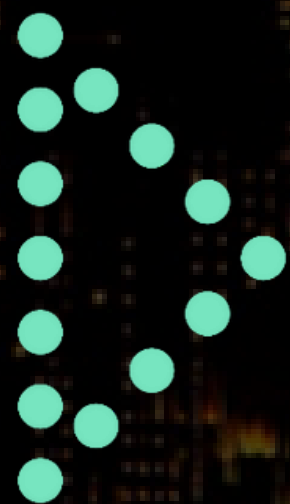


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MANUFACTURING & ENGINEERING

Efficient. Smart. Strong.

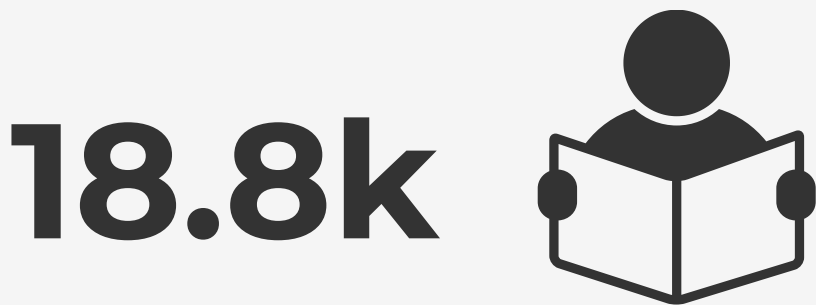
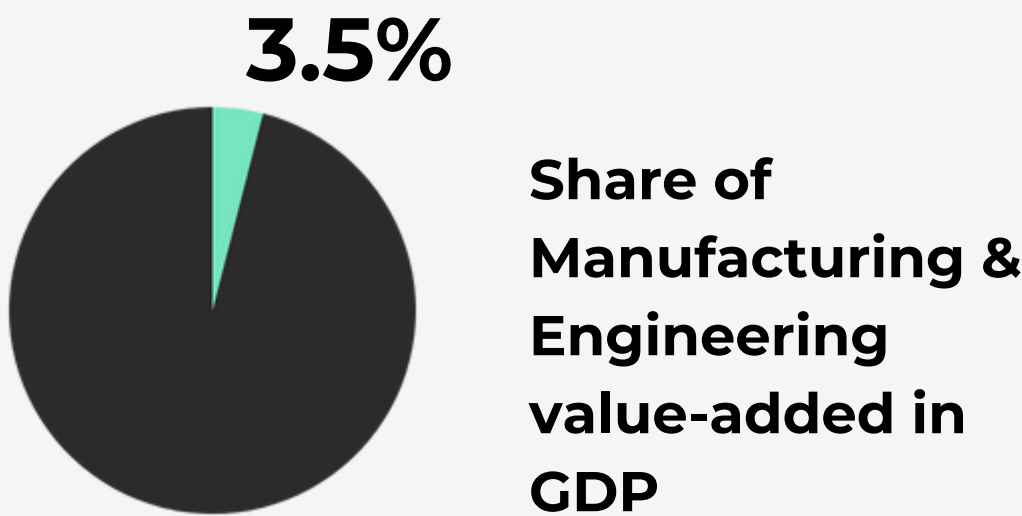
MANUFACTURING & ENGINEERING IN NUMBERS

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51.5

Million EUR funding in R&I
(realized R&I projects - 36%)



students enrolled in Engineering, manufacturing and construction in Latvia (2024)



OVERVIEW OF LATVIA'S MANUFACTURING & ENGINEERING SECTOR

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- Latvia's **high-tech sector** is aligned with **EU strategic priorities**, offering **strong export potential** and integration into **global value chains**.
- Latvia's achievements in optical and electronic technologies are driving **breakthroughs in telecommunications, medical technologies and other high-tech sectors**.
- With **deep engineering expertise** in **robotics, embedded systems, and smart industrial solutions**, Latvia is well-positioned to meet global demand for **digitalization** and **Industry 4.0**.
- Latvia's expertise in materials science enables the **development of technologies with unique properties**, strengthening competitiveness and fostering innovation across various technology fields.
- Backed by a **skilled talent pool**, active engagement in **ESA, CERN, and QuantERA**, and **robust state support** for R&D, Latvia is a **prime destination for high-tech investment and strategic partnerships**.



PARTNERS (ASSOCIATIONS, ETC.)

- MASOC – Association of Mechanical Engineering and Metalworking Industries of Latvia
- Latvian Exporters Association
- LETERA – Latvian Electrical and Electronics Industry Association
- Competence Centre for the Electrical and Optical
- Equipment Manufacturing Sector of Latvia
- Latvian Space Industry Association
- Latvia State Radio and Television Centre
- Competence Centre for Smart Materials and Technologies

GOVERNMENTAL

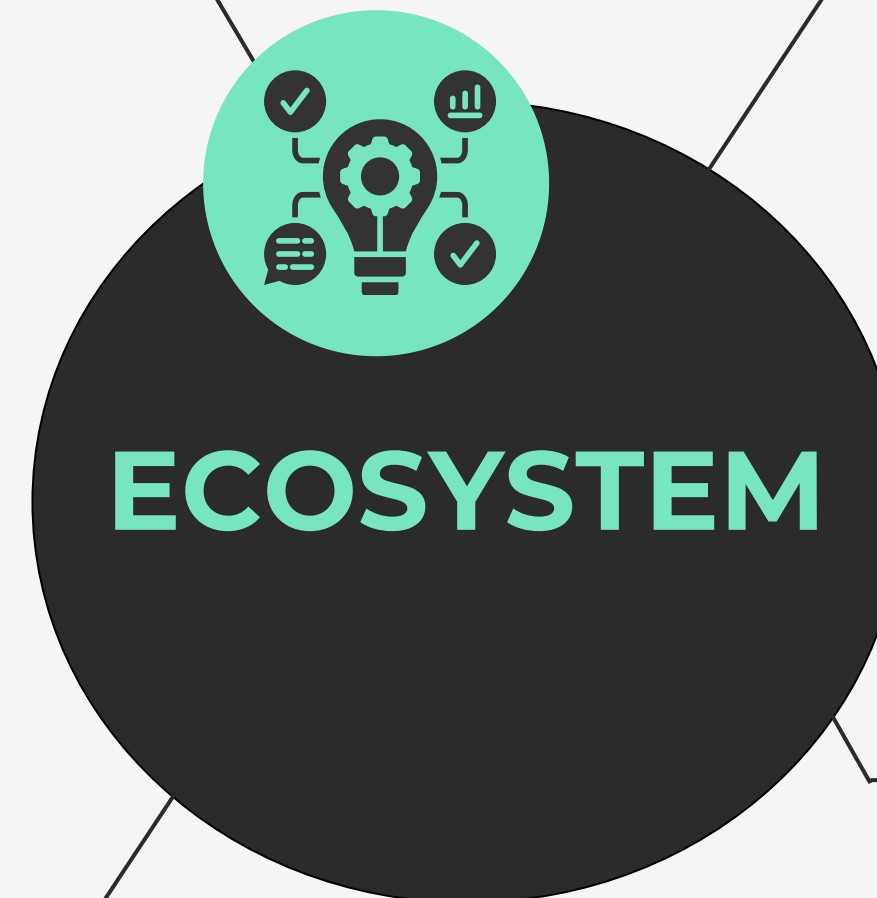
- Ministry of Education and Science of the Republic of Latvia
- Ministry of Economics of the Republic of Latvia
- Ministry of Foreign Affairs of the Republic of Latvia
- Investment and Development Agency of Latvia
- Electronic Communications Office of Latvia
- Latvia State Radio and Television Centre

EDUCATION, RESEARCH & SCIENCE

- University of Latvia
- Institute of Physical Energetics
- Riga Technical University
- RTU DESIGN FACTORY
- Institute of electronics and computer science
- Latvia University of Life Sciences and Technologies
- Transport and Telecommunication Institute

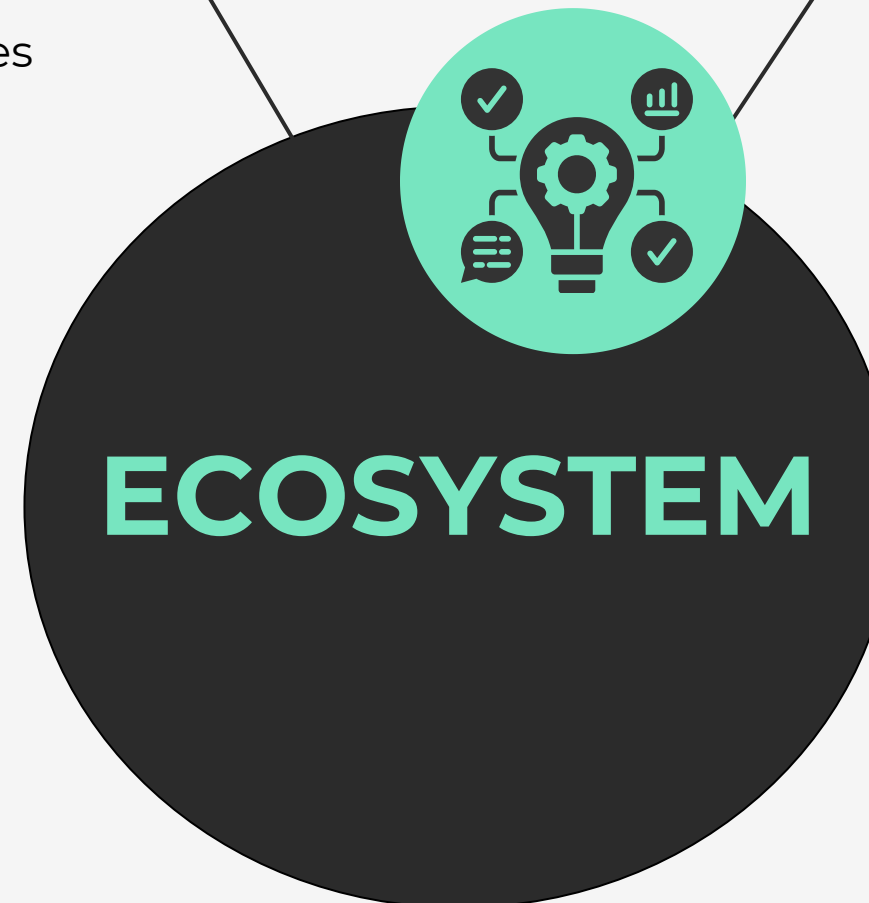
SMART MATERIAL INDUSTRIAL PARTNERS

- UniLab – Open Innovation Laboratory
- Startin.LV – Latvian Startup Association
- Start House
- Competence Centre for Smart Materials and Technologies



ELECTRONICS, ROBOTICS, ENGINEERING SYSTEMS

- SPH Engineering
- JZ Microphones
- Almiko pcb SOLUTIONS
- RD ALFA
- R ALFA
- Sidrabe
- Baltic Scientific Instruments
- Allatherm
- Cryogenic and vacuum systems
- BirgerMind
- AERODIUM
- LMT
- MikroTik
- PERUZA
- Biosan
- LEAX BALTIX
- Beyron
- Bdetect
- Erica Synths
- NA stage & light
- SMDbaltic
- Volburg
- UAV Factory
- tet
- Baltic3D.eu
- Mesh
- Anttrom
- Bitlake Technologies
- Altron
- Ardlat
- Azeron
- ARiTeh
- Art of automation
- SMW aerospace
- Good green dog
- Baltic Unmanned
- Baltic Viper
- Gorgon Optronics
- Shine LED
- Beat the STORM
- Airdog
- Ubiquiti
- Saf
- Basecam
- Edge autonomy
- Aeronas
- Atlas
- Thorlabs
- Giraffe360
- Eventech
- Fixar
- SUBmerge



OPTICS, PHOTONICS & SMART MATERIALS

- Falcon Sapphire
- Valmiera Glass
- Groglass
- Dardedze hologrāfija
- Sidrabe
- Basecam
- Spectromarine
- Axon
- Lightguide
- LightSpace
- KEPP EU
- NACO
- LighPath
- OE LV
- Sonarworks
- CeramOptec
- High End Engineering
- Photonic Labs
- LAITANS
- SensoTech
- Fiber optical solution
- Adventum tech
- AGL Technologies
- sAf
- OPTEK
- 2AM
- Regula
- Neohytech
- Sense
- Schaeffler
- Pulsar
- Shine LED
- Spatialite
- NA stage & light

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Develops and produces a handheld, point-and-click device for general practitioners to quickly assess skin lesions for melanoma risk.

Bdetect

MANUFACTURING & ENGINEERING SHOWCASE

Develops, manufactures and supplies optical fibers, fiber bundles, cables and laser delivery systems for cutting-edge, highly sophisticated scientific, industrial and medical applications worldwide.

Lightguide

Produces innovative glass, which appears invisible and lacks reflective properties

GroGlass

Specializes in nano-coatings for hydrogen electrolyzers and fuel cells, focusing on enhancing their efficiency and longevity.

Naco Technologies