

# SMART MATERIALS AND PHOTONICS

A proven ecosystem for advanced electronics and photonics

## Subsectors in numbers:

<b>&gt;3,5</b> Billion annual turnover	<b>10%</b> Share of Electronics industry value-added in GDP	<b>65+</b> Years on Semiconductor's Market (ALFA RPAR JSC)
	<b>2</b> space missions featuring Latvian technologies: Lunar Gateway and ESA Hera	<b>2</b> World records in Silicon photonics technologies for high-speed optical interconnects

## A scalable talent pipeline for advanced manufacturing and deep-tech growth



**37 000+ specialists**

Electronics, photonics, and sensor-related fields



**#1 among OECD**

by the share of women in science, technology and innovation.



**~19 000 students**

Engineering, manufacturing and construction fields (2024)

## Sector Relevant Education Institutions and Initiatives in Latvia



RIGA TECHNICAL UNIVERSITY



INSTITUTE OF ELECTRONICS AND COMPUTER SCIENCE



TRANSPORT AND TELECOMMUNICATION INSTITUTE



Latvia University of Life Sciences and Technologies



RĪZEKĀNES TEHNOLOĢIJU AKADEMĪJA



UNIVERSITY OF LATVIA



INSTITUTE OF SOLID STATE PHYSICS UNIVERSITY OF LATVIA



Institute of Mathematics and Computer Science University of Latvia



VENTSPILS UNIVERSITY OF APPLIED SCIENCES

## Forums



### Techchill

The leading tech and startup event in the Baltics for innovation leaders.

Riga



### Deep Tech Atelier

The most significant deep tech event in the Baltics, where science, startups, and global investors meet.

Riga



### ABSL Latvia Conference

The main event for Latvia's business services sector. Focuses on digital transformation, AI, and automation.

Riga



### Techritory

An international forum on technologies and digitalisation in the EU.

Riga



### Baltic Security Conference

Focuses on key topics like defence, cybersecurity, and military technology, emerging threats, NATO strategies, and innovation in defence.

Riga

2026

March

May

June

October

November

## Industry leaders



III Lightspace



HANSAMATRIX



BALTIC SCIENTIFIC INSTRUMENTS

LIGHTGUIDE



EuroLCDs



Microelectronics

