



ŁUKASIEWICZ – ITECH A NEW CHAPTER:

REPORT AND STRATEGIC PRIORITIES



Łukasiewicz

ITECH

Institute
of Innovation
and Technology



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KEY ACHIEVEMENTS 2025 / 2026

15 reports and policy
papers

3 publications in Top 10% Scopus

3,59 million PLN
obtained for carrying out R&D projects

10 active and planned research and
development projects

20 events in Poland and Europe

100+ publications in the media, including:

- RZECZPOSPOLITA
- TOK FM
- L'EXPRESS
- LE MONDE
- DZIENNIK GAZETA PRAWNA

MISSION



24.06.2026

Managing Ukraine's Accession as Europe's Strategic Investment
Łukasiewicz – ITECH side event at the Ukraine Recovery
Conference 2026 in Gdańsk

05



OUR MISSION

Łukasiewicz – ITECH is an interdisciplinary research and advisory institute with a think tank profile, serving as a bridge between the research community, Polish public administration, business and European institutions.

Poland is approaching a turning point in its development model. The drivers that have fuelled growth to date – favourable demographics, low labour costs and affordable energy – have largely run their course. The country's future position will increasingly depend on its ability to develop and deploy innovations of its own. Our mission is to provide **the knowledge needed to make sound decisions about technology**. We translate the Łukasiewicz Research Network's mission – strengthening the competitiveness of the Polish economy through innovation – into rigorous analysis and actionable insights.

Our three strategic priorities are **defence and security, the energy transition and the innovation ecosystem**. We study the defence industry, civil defence and national resilience, as well as European defence cooperation. We also examine the social and regulatory conditions shaping the energy transition, including the development of nuclear and hydrogen energy. In addition, we analyse the conditions that enable innovation to emerge and be successfully deployed in Poland, focusing on the interplay between institutions, research, capital and the regulatory environment.

What sets the Institute apart is its ability to combine social science with technological expertise. As part of the Łukasiewicz Research Network – comprising 22 institutes and 4,500 researchers and engineers – we are uniquely positioned to connect technology experts with those responsible for shaping public policy. We conduct foresight studies, technology impact assessments and research into the social acceptance of innovation, publishing our findings in reports, policy papers, expert commentaries and peer-reviewed academic articles.

We operate internationally through research consortia and European expert networks. We believe that technology thrives where it has public trust. That is why integrity, openness and active participation in public debate are integral to our mission.

HOW DO WE WORK?



"Expert Breakfast: "Strengthening Poland's Innovation Ecosystem"

30.06.2026

07

HOW DO WE WORK?

At Łukasiewicz – ITECH, we conduct research focused on the three areas of strategic importance for Poland:



INNOVATION ECOSYSTEM



DEFENCE AND SECURITY



ENERGY TRANSITION

Our experts work within three Research Centres:

- **Centre for Analysis and Technology Development**
- **Centre for Security and Defence Innovation**
- **Centre for Energy Transition Research**

The Research Centres are supported by the **Department of Strategy and Analysis**, which conducts events and publications.

CREATING AN INNOVATION ECOSYSTEM

We identify the technologies that will shape the future of the economy and society by analysing emerging trends, growth potential and barriers to implementation. We develop forecasts, roadmaps and commercialisation strategies, and assess how public policies and regulations influence the pace and direction of innovation.

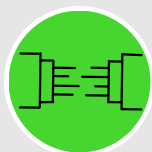
KEY PROJECTS:



RURALSTRAT – We develop frameworks and strategic directions for integrating the Smart Villages concept into national and regional development policies. Our goal is to support public institutions and communities in implementing innovative solutions in rural areas.



CRESTIMB – We are developing an innovative timber construction system for multi-storey buildings that enables the creation of large, open spaces while supporting the development of more sustainable construction.



PHOTONQBOOST – We support SMEs in adopting photonic and quantum technologies through services including technological and environmental advisory support, access to funding and business partnerships, and support for innovation.

OUR DEVELOPMENT PROJECTS

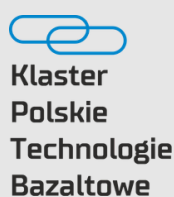
INDUSTRY CONTACT POINTS



We support businesses and researchers in securing funding under the Horizon Europe programme by organising matchmaking, networking and brokerage events, as well as by helping them establish international partnerships. Łukasiewicz – ITECH coordinates the Industry Contact Points, which operate in the following areas:



POLISH BASALT TECHNOLOGY CLUSTER



We support knowledge transfer and the development of advanced solutions in basalt technologies and composite materials, promoting the use of basalt as a high-strength and highly durable raw material.

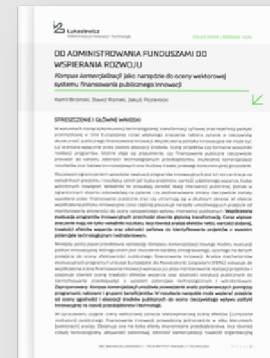
YOUNG SCIENTISTS AT ŁUKASIEWICZ

We are strengthening Poland's R&D talent base through an attractive mentoring and internship programme for outstanding young researchers. The programme is aimed at finalists and winners of nationwide science competitions in STEM disciplines, offering internship opportunities and career development across the institutes of the Łukasiewicz Research Network.

INNOVATION ECOSYSTEM – LATEST PUBLICATIONS

POLICY PAPER: Commercialisation Compass. From Administering Funds to Driving Growth

The paper presents a new model for evaluating innovation policy, designed to provide an integrated, data-driven approach to assessing the effectiveness of public funding for innovation.



POLICY BRIEF: Between Macroeconomic Cost Assessment and a Systemic Analysis of Added Value

The paper analyses contemporary approaches to evaluating public funding systems for innovation and the commercialisation of research and development across the European Union.



POLICY BRIEF: The Volatile Taiwan Strait: Economic Security Perspectives from Central Europe

The publication provides a comprehensive map of the economic and technological interdependencies between Central and Eastern Europe and Taiwan, and examines the implications of different scenarios involving rising tensions in the Taiwan Strait.



SUPPORTING SECURITY AND DEFENCE INNOVATION

We analyse challenges related to national security and resilience, ranging from the defence industry and dual-use technologies to critical infrastructure protection and the social, economic and regulatory factors that shape security. We also study the development of security-related innovation and develop scenarios and recommendations to strengthen defence capabilities and support effective crisis response.

KEY PROJECTS:



EU Security Initiative – a platform for dialogue between academia, experts and representatives of institutions involved in shaping European security policy. As part of the initiative, together with the European University Institute, we organise meetings bringing together policymakers and senior officials responsible for security issues during successive EU Council Presidencies. To date, meetings have been held in Warsaw, Copenhagen, Nicosia and Dublin, as well as, outside the regular Presidency cycle, in Brussels and Munich.

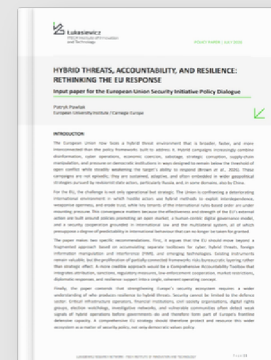


Social Resilience to Contemporary Security Threats – a series of social research studies, reports and analyses. We understand social resilience broadly, encompassing the functioning of state institutions, the effectiveness of civil defence, resilience to disinformation, and other forms of hybrid threats.

SECURITY AND DEFENCE INNOVATIONS - LATEST PUBLICATIONS

POLICY PAPER: Hybrid Threats, Accountability, and Resilience: Rethinking the EU Response

The publication examines how the EU should respond to hybrid threats, including disinformation, cyberattacks, sabotage, economic coercion, interference in democratic processes, and the exploitation of technological, infrastructural and financial dependencies.



REPORT: Barriers to Dual-Use Technology Development in Poland

The publication identifies the regulatory, operational, financial, organisational, technological and socio-cultural barriers to the advancement of dual-use technologies in Poland.



COMMENTARY: Technological Competition between Countries. Takeaways for Poland.

The publication examines the challenges arising from technological competition between states and sets out key recommendations for Poland's innovation and technology development policy.



SUPPORTING ENERGY TRANSITION

We support the energy transition by analysing innovative technologies, from renewable energy and hydrogen to nuclear power and energy storage. We combine technological and social perspectives, examining public acceptance of new solutions and the conditions needed for their effective implementation.

KEY PROJECTS:



HIT Historical and Regional Imaginaries Shaping

Transitions – Supporting European regions in delivering the twin industrial transition – green and digital – in an inclusive, fair and socially effective way, in cooperation with eight international partners.



Poland's Energy Transition Pathway to 2040 –

we conduct analyses, research and expert studies supporting the social and economic dimensions of the energy transition and the modernisation of Poland's energy sector, with particular attention to regional disparities and the 2040 horizon.

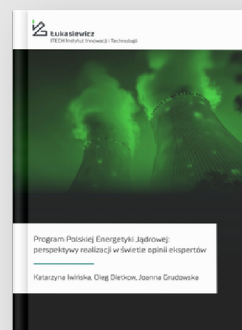


Workforce for the Energy Storage Market – developing Poland's first comprehensive assessment and forecast of workforce demand across the entire energy storage value chain.

ENERGY TRANSITION – LATEST PUBLICATIONS

REPORT: Poland's Nuclear Energy Program: Prospects for Implementation in Light of Expert Opinions

The publication identifies what needs to be in place for Poland's nuclear energy programme to be implemented successfully – from governance models and expertise to security of supply and risk management.



COMMENTARY: From Fuel-Based to System-Based Energy. Commentary on the 2026 National Energy and Climate Plan Update

The publication offers an expert assessment of the updated National Energy and Climate Plan, focusing on the key conditions that must be met to turn its climate and energy transition ambitions into practice.



COMMENTARY: From an Investment Programme to Building a Nuclear Energy Sector. Commentary on the draft update of Poland's Nuclear Energy Programme

The paper provides an in-depth analysis of Poland's Nuclear Energy Programme (PPEJ 2026), highlighting the key conditions and priorities that will be critical to its successful implementation.



ŁUKASIEWICZ – ITECH STRUCTURE

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Area Leader

OUR PARTNERS



27.05.2026

European Union Security Initiative (EUSI) Policy Dialogue in Nicosia.
The 3. edition of the conference series held in conjunction with
Presidency of the Council of the European Union

OUR PARTNERS

We cooperate with key Polish and European think tanks, leading analytical and academic centres.



Fraunhofer to **Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.**, based in Germany, is a leading applied research organisation. It plays a key role in the innovation process, focusing on cutting-edge technologies and transferring research results to industry.



European University Institute (EUI), based in Florence, it is a European research university specialising in the social sciences and humanities. In March, we formalised our cooperation by signing a partnership agreement.



The Institute of Political Studies of the Polish Academy of Sciences (ISP PAN) is one of Poland's leading academic centres conducting research on politics and contemporary history.



Institut für die Wissenschaften vom Menschen / Institute for Human Sciences (IWM), based in Vienna, it is an institute for advanced study in the humanities and social sciences.



The Polish Economic Institute is a public economic think tank producing research, analysis and policy recommendations on key issues affecting Poland's economy and society, with due consideration of the broader international context. Our cooperation was formalised through a partnership agreement signed in September.



Polityka Insight is a Polish think tank that prepares reports and conferences on the economy, energy, industry, defence, and Polish and international politics.



Visegrad Insight is a leading analytical platform in Central Europe that provides expert analyses and policy recommendations, shaping future development of Europe and transatlantic cooperation.

EVENTS



31.08 – 01.09.2026
European Union Security Initiative (EUSI) in Dublin

OUR EVENTS 2025 / 2026

We have either organised or participated in key events concerning security, international relations, innovations, and energy transition, including, among others:

- 14.02.2026 – side event during **Munich Security Conference**: Spending in Wartime: Balancing Politics, Industry and Society.
- 11-12.05.2026 – **18th Baltic Business Forum** – Energy for security. Our experts moderated debates titled: “The Baltic Sea: A Gateway to Energy Security for Central and Eastern Europe and Ukraine” and “Poland’s Nuclear Energy Programme: Removing the Barriers.”
- 24.06.2026 – side event of the **Ukraine Recovery Conference 2026** conference in Gdańsk and a debate titled: “Managing Ukraine’s Accession as Europe’s Strategic Investment”.
- 13.07.2026 – **Seminar**: The Future of EU-Ukraine Relations and Lessons for Poland.

EUROPEAN UNION SECURITY INITIATIVE (EUSI)	EXPERT BREAKFASTS	DEXPERT DISCUSSIONS
Expert meetings held in conjunction with the EU Presidency, bringing together a wide range of specialists. To date, the meetings have been held in: • 2-3.04.2025 Warsaw • 8.12.2025 Copenhagen • 14.02.2026 Munich • 27.05.2026 Nicosia • 31.08 - 1.09.2026 Dublin	• 31.03.2026 – Space and Unmanned Technologies Across the Łukasiewicz Research Network • 30.06.2026 – Strengthening Poland’s Innovation Ecosystem • 28.07.2026 – Poland in the Face of Asia’s Acceleration	• 27.11.2025 – What will it take to save Europe? Meeting and discussion with Ivan Krastev. • 23.01.2026 – The Future of European Security: What Will It Take to Avoid the Worst-Case Scenarios? A debate featuring Bernard Guetta.

OUR PLANS



23.06.2026
Conference "10 Years After the Brexit Referendum:
Lessons for Poland and the European Union"

RESEARCH PROGRAMMES

THE ŁUKASIEWICZ – ITECH ASIAN PROGRAMME examines Asian development models and their implications for Poland's security, economy, research and industrial policy. It is structured around three interconnected strands: the experience of South Korea, Taiwan and Japan as developmental states that built their competitive advantage on technology and the defence industry; India as a market and economic partner of growing strategic importance; and the broader question of the limits of imitation-driven growth and the conditions required to move from an economy that absorbs technology to a state capable of exercising genuine strategic agency. The Programme also addresses issues that connect Poland with the region, including the role of intermediary institutions linking research and industry, as well as offset mechanisms in the defence sector. Its activities are carried out in cooperation with institutional partners across the region and result in reports, expert seminars and policy recommendations for public administration and industry.

THE ŁUKASIEWICZ – ITECH EUROPEAN PROGRAMME examines the transformations currently reshaping the European Union and their implications for Poland's economy, research sector and industry. It is structured around three interconnected processes: the EU's new 2028–2034 financial framework and the accompanying reform of how European funds are managed, including National and Regional Partnership Plans; the enlargement of the Union to include Ukraine, Moldova and the Western Balkan countries; and the development of European technological sovereignty, from the Chips Act 2.0 and cloud regulation to industrial policy in the security and defence sectors. A separate pillar of the Programme is the EU Security Initiative (EUSI), which convenes the EUSI Policy Dialogues – a series of high-level meetings held in conjunction with successive Presidencies of the Council of the European Union. Bringing together senior officials, EU institutions and the expert community, the Dialogues focus on key issues shaping the European security and defence agenda. The Programme combines institutional analysis with a broader development perspective. It asks not only how the European Union is changing, but above all what conditions Poland needs to create in order to move beyond an imitation-driven growth model and build a lasting technological advantage. The Programme is carried out in cooperation with European institutions, think tanks and universities in Warsaw, Brussels, Florence and Kyiv. Its outputs include reports, expert seminars and policy recommendations addressed to public administration and industry.



PLANNED PUBLICATIONS

REPORTS:

- Foresight study on Poland's energy security to 2040
- Benchmarking civil defence systems in selected EU Member States
- The effectiveness of Poland's crisis management system: analysis and recommendations
- Public acceptance of defence spending: economic scenarios, survey findings and compensation mechanisms
- Innovation, technology development and transfer in the security sector, and the use of research and industrial capacity in crisis situations: the case of Ukraine
- The role of societal resilience during wartime: the case of Ukraine
- Report on climate disinformation
- Building local resilience: local government as a catalyst for social trust
- Institutional and organisational recommendations for strengthening Poland's resilience in the era of hybrid conflict
- Demographic and workforce foresight for the nuclear energy sector
- Energy transition pathways

PLANNED PUBLICATIONS (CONT.)

POLICY PAPERS:

- From Hormuz to Europe: the Middle East crisis as a test of the EU's energy resilience
- Accelerating renewable energy deployment after RED III
- Biomethane after the renewable energy reform
- Sector-specific approach in Horizon Europe
- Australia and Japan in Horizon Europe
- ETS after 2030: decarbonisation, competitiveness and social feasibility
- Industrial Accelerator Act: industrial decarbonisation
- One year since the introduction of the EDiP
- The Drone Deal and defence innovation in Ukraine: what worked and what did not
- European Innovation Act: implications for companies' ability to commercialise technologies
- Regulatory and Strategy Watch 2026: annual overview of the KPEiK, the Nuclear Power Programme (PPEJ), district heating, renewable energy, biomethane, tariffs, grid connections, energy efficiency and energy security
- AI Act implementation: implications for businesses

EXPERT COMMENTARIES on:

- Update of the National Space Programme
- European Innovation Scoreboard
- Strategy for the development and deployment of Small Modular Reactors (SMRs) in Europe
- European Research Area (ERA) Act
- Poland's energy strategy
- Update of the Energy Policy of Poland until 2040
- Developments regarding the location of the European Space Agency (ESA) centre
- The New EU Multiannual Financial Framework for 2028–2034

UPCOMING EVENTS

14.10.2026

Łukasiewicz ITECH Annual Conference: Security for Prosperity

The Institute's flagship event, dedicated to today's key challenges in security and development, bringing together leading figures from Polish and European policymaking, think tanks and academia.

Topics of expert debates and presentations:

- Technological sovereignty
- Defence spending and economic growth
- The role of innovation policy in Poland's new development model
- Lessons from Asia on technology and security

3 EXPERT BREAKFASTS

Focusing on disinformation related to nuclear energy, local content in nuclear projects, the energy transition, and the latest trends in defence technologies.

UPCOMING EVENTS (CONT.)

3.11.2026

Horizon4Poland: From Partnerships to European Impact

One of Poland's largest events dedicated to the Horizon Europe programme and the formation of international project consortia.

In the programme:

- Debates concerning: technological sovereignty, the future of the aerospace sector, Industry 4.0, the energy transition, biotechnology and the EU's next financial framework
- Innovation Expo area
- Expert workshops and consultations
- Matchmaking session

4 STRATEGIC SEMINARS

For Polish ministries and public institutions focused on issues related to the understanding of resilience, crisis management, and security.



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