

12th POLISH

CHEMISTRY CONGRESS

May 29-30, 2025 | Krakow (CK Fabryczna 13)

THEMATIC SCOPE OF THE 12TH POLISH CHEMISTRY CONGRESS

Economic security and market challenges

- The impact of the international situation on the **security and competitiveness of the European economy**.
- **Global trade wars**. How to effectively protect the future of Polish Chemistry in the face of competitors from China, Russia and the United States?
- **New trade partnerships vs the reciprocity principle**. An opportunity or a threat for the Polish Chemistry?
- **Raw material map of Europe**. How to secure access to key resources for the chemical industry (**natural gas, crude oil, rare earth elements**)?
- **EU ETS, CBAM and energy prices**. Will mechanisms introduced by the EU maintain the competitive advantage of the Polish Chemistry?
- The effectiveness of **sanctions, customs and anti-dumping measures** in protecting the chemical market.
- The strategic role of the chemical industry in ensuring **the independence and resilience of value chains across the EU**.
- **Supporting critical sites** as the key to economic security.

New EU regulations

- **Clean Industrial Deal and Action Plan for Affordable Energy**. Are these measures a sufficient solution for the problems of energy-intensive industries?
- **The EU Omnibus ESG Regulation**. A necessity or a step backward?
- **Chemical Industry Package**. What will **the REACH Regulation revision** bring?
- The future of regulations concerning **PFAS and polymers**.
- **Critical Chemicals Act**. Will Europe secure access to critical chemical raw materials?
- **Deregulation packages and regulatory simplification**. A genuine support for businesses or superficial changes?
- Summary of the **Polish Presidency of the EU Council** and possible prospects. What next?

Decarbonisation of energy-intensive industries – a coherent and effective energy transition strategy

- **Energy security and independence** as a priority in turbulent times.
- **Energy efficiency** as the foundation of modern industry.
- Best available **technologies allowing to reduce energy costs**.
- **Ammonia, methanol** as efficient energy carriers.
- A bumpy road ahead of the production of **renewable hydrogen RFNBO** in Poland.
- The role of **the natural gas as a transition fuel** in the energy transition.
- State of investment in **RES - wind, offshore, and photovoltaic farms**.
- Opportunities and barriers on the development path of **biogas plants, biomethane plants and biorefineries in Poland**.
- **Nuclear power industry**. Can nuclear genuinely help the industry? And, most importantly, how and when?

The role of infrastructure in the energy transition of the chemical industry

- Modernising **gas and electricity networks** as a foundation for energy security.
- Investments in **hydrogen transmission and storage infrastructure** and other **alternative fuels**.
- Prospects for the development of **Carbon Capture, Utilisation and Storage (CCUS)** infrastructure.
- The role of **energy storage facilities** in ensuring the continuity of production processes.
- **Smart grids** integration.
- Development of the **European power grid** and the needs of **transmission infrastructure**.
- Innovative solutions in **infrastructure monitoring and diagnostics**.

Innovation, investment, financing – the future of the modern economy

- **There is no future without competitiveness**. How to achieve **market advantage** through investment and innovation?
- **New investment areas for the Polish Chemistry**. Where to find development opportunities?
- **A fresh look of the EC towards innovation** in the chemical industry.
- **The future of plastics**.
- **Chemical recycling** as an alternative to virgin raw material?
- **Digitisation, automation, artificial intelligence (AI)** as accelerators of industrial development.
- Financing innovation: **tax credits for R&D and new technologies**.
- **Financing decarbonisation**. How much more will we pay to make the industry green? Support mechanisms.
- **ESG bonds** as a financing tool for sustainable development.