

## Plastics of the Future

<b>Project Idea</b>	"Plastics of the Future – Advanced, Sustainable and Functional Materials for Next-Gen Industrial Applications"
<b>Organization name</b>	KLGS sp. z o.o. Pcim 1512, 32-432 Pcim, Poland
<b>Addressed topic(s)</b>	KLGS Sp. z o.o. offers <b>industrial manufacturing capabilities</b> for the development, prototyping, and <b>serial production</b> of components based on: <b>High-performance thermoplastics</b> and <b>Sustainable biopolymers and biocomposites</b> .

# KLGS Sp. z o.o.



**KLGS Sp. z o.o.** is a Polish manufacturer specializing in advanced thermoplastics and technical injection molding. With over 40 years of experience, modern production facilities, and a dedicated R&D department.

**KLGS offers comprehensive services from material selection and product simulation to toolmaking, prototyping, and serial production.** The company processes a wide range of high-performance polymers, including biopolymers and high-temperature plastics, with a strong **focus on sustainability, innovation, and precision.**

KLGS has **IATF 16949, ISO 14001, and ISO 27001 certified** and cooperates with leading European clients and technical institutes.

Polish expert in **advanced thermoplastics & injection molding. Full service from R&D to serial production.**



# Plastics of the Future

## Project vision:

- Develop next-generation **high-performance and eco-friendly plastics** replacing traditional materials (metals, thermosets, or composites) to support industrial sectors in achieving **climate-neutral, circular, and cost-effective production**.

## Key aspects:

- **High-Temperature Thermoplastics:** Lightweight, durable alternatives to metals for demanding applications.
- **Biopolymers and Biocomposites:** Renewable and recyclable materials for environmentally friendly production.
- **Advanced Processing and Simulation Technologies:** Full process optimization using Moldex3D and in-house R&D.
- **Eco-Design and Process Optimization:** Waste reduction, material recycling, energy savings.

# Seeking Industrial, Research and Market Validation Partners to Develop "Plastics of the Future"

## Industrial Partners:

- Manufacturers of **functional components** looking to **replace metals or thermosets** with **advanced thermoplastics**.
- Producers from **automotive, electronics, or industrial equipment** sectors open to pilot implementations and co-development.
- End-users aiming for **lighter, recyclable, and energy-efficient products**.

## Engineering and Technology Partners:

Companies specialized in:

- **Process simulation and optimization (Moldflow, Moldex3D)**
- **Recycling technologies and secondary raw materials processing**
- **Energy recovery systems in industrial production**



# Contact details

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**LinkedIn/Twitter** <https://www.linkedin.com/company/104964897>



**EU INDTECH 2025 Brokerage Event**