

Mineral Processing Workroom

- + Development of mineral processing and metal recovery technologies
- + Technological consultancy – expert knowledge at your fingertips
- + Assessment and enhancement of technological process efficiency – from sampling to results.



Research in mineral processing, as well as water and waste management

The Mineral Processing Workroom, operating within the Process Engineering Department, specialises in **research and development in the fields of mineral processing, water and waste management**. We combine **specialist expertise with modern technical infrastructure** to **develop innovative technologies that improve the efficiency and sustainability of industrial processes**.

Our services include:

- + Flotation beneficiation of ores and waste materials,
- + Crushing and grinding processes,
- + Particle size distribution [granulometric] analysis,
- + Sample preparation and material homogenisation,
- + Physical and chemical testing of water [pH, conductivity, temperature].

Based on research outcomes, we **design and optimise technological systems for metal recovery from primary ores, flotation tailings, slags and secondary raw materials**. In all our work, we **balance process efficiency with the minimisation of environmental impact**.

Through **cooperation with accredited laboratories**, we also carry out **chemical, mineralogical and environmental analyses**. The laboratory is equipped with **specialised process-modelling software and field sampling equipment**.

Our offer includes:

- + Laboratory and pilot-scale testing,
- + Technological consultancy services,
- + Implementation of commercial projects and research and development projects funded through national and European Union programmes.

We invite you to collaborate with us. Together, we can develop technologies that enable more efficient use of raw materials and improved production performance.

Contact us

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