



## Description of the participant: CMI



The Central Mining Institute (in Polish: G\_ówny Instytut Górnictwa) is a research and development organization, with more than fifty years tradition, working for the needs of industrial enterprises of all branches, including the mining industry, small and medium enterprises (SME), institutions and offices of state and self-government administration, communities, foreign partners. The Institute's service include all the phases of research and implementation activity" ranging from planning and preliminary tests to economic analysis and implementation of the undertaking. Strategic areas of our activity constitute work safety and environmental engineering as well as economic and social studies, education and implementation of management systems.

The mission of the Central Mining Institute is "Creation of modern, energy saving and clean technologies, technical solutions for the formation of favourable relations: people-industry-environment".

The CMI offers research projects, licences and know-how, expertises, consultancy and training.

The Institute's scientific staff constitute 600 workers; every fifth of them holds the scientific degree of Professor, Ph. D.habil. or Ph. D.

Basic areas of CMI activities (presented at [www.gig.katowice.pl](http://www.gig.katowice.pl)) :

- **environmental engineering** (sustainable development strategies, municipal and industrial waste management, water protection and water – waste water economy, energy saving, thermo-modernising undertakings, environmental monitoring, "cleaner production" programme),
- **work safety** (implementation of the work safety management system along with risk assessments, investigation into the work environment, information support for occupational safety management processes, selection and certification test of protective equipment, prevention of occupational diseases),
- **social and economic studies** (economic activation programmes for mining sties and communities, strategies regarding the restructuring and sustainable development of regions, unemployment prevention programmes),
- **hard coal, brown coal, copper, zinc, lead, rock raw materials mining** (natural hazard prevention, including associated and technical hazards, development of hazard prevention methods in longwalls of high output concentration, selection of most modern technologies foe use in mining, mine closure technologies),
- **attestation, certification and management systems** (attestation test of machines and equipment, product certification (safety mark), product certification (ECO-MARK), quality management system according to ISO standarts of 9000 series, environmental management system according to ISO 140001 standard, work safety management system according to PN-18001 standard),
- **education** (postgraduate technical studies ("Occupational Safety management in the Industry", "Software Engineering" organized jointly with the Jagiellonian University"), postgraduate studies organized jointly with the Warsaw School of Econimocs (managerial based on the MBA structure, "Human Resources Management" "Insurance and Pension Funds" "Health Care Institutions Management"), Cleaner Production Schools, workshops, training and specialist courses, retraining courses for miners leaving the mines).

The Central Mining Institute's customers are industrial enterprises of all branches, including mining, small and medium enterprises, institutions as well as state and self-government administration offices, communities, foreign partners.

All research activities performed at GIG end as "a product applicable for sale", and their results have an utilitarian promotive character. 70 per cent of our work we sale in the area of the Silesia Province. However, year-to-year we have more and more customers from other provinces of Poland.



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The Central Mining Institute maintains wide contacts with foreign companies, enterprises and institutes relating to scientific and technical cooperation, realization of joint research projects and export of services and equipment.

From among our partners one should mention the member states of the European Union, countries of the former CMEA, partners from Asia and America. CMI realize jointly expert work and participate jointly in international research programmes. Our Institute is also a member of international organizations, such as ENERO, ERRICA, ESRA, NICOLE.

A particular manner of care of the highest quality of the Institute's services and needs of customers resulted in awarding of following prizes:

- Silesian Quality Award - in all evaluated aspects of activity (such as: leadership in the firm, policy and strategy, staff management, satisfaction of firm's employees, satisfaction of customers) the Institute obtained the best opinion of experts,
- First degree award granted by the Central Institute of Labour Protection - for the development of construction and production technology of helmet ear-protections to be used in differentiated work conditions,
- Honorary Distinction granted by the State Labour Inspection - for labour protection services,
- Honourable mention awarded by the Minister of Environmental Protection, Natural Resources and Forestry in the competition "Leader of Polish Ecology" - for the liquidation of fire phenomena on the embankment of an out of operation railway track in \_wi\_toch\_owice and site reclamation at the former shunting yard in Ruda-Chebzie,
- Honourable mention awarded by the Chief Technical Organization (Provincial Council) - for the development of principles of mine workings ventilation in methane hazard conditions, along with the selection of ventilation equipment for hazard combating,
- Diploma of Recognition granted by the Ministry of Environmental Protection, Natural Resources and Forestry - for the study entitled: "Scientific bases of protection strategy of national water resources against pollution".

In 1998 the Central Mining Institute obtained the certificate of the Polish Centre for Testing and Certification (PCBC) confirming the implementation of the quality management system, consistent with the ISO 9001 standard and in 2000 integrated ISO 9001-ISO 14001 certificate. Thus GIG became the first in Poland and only one scientific-research institute holding the ISO 9001 certificate. The Certificate issued by PCBC constitutes the crowning achievement relating to undertakings realized since several years aiming at the assurance of the highest quality of work carried out at the Institute. It is also a confirmation of the possessed scientific and market position. All laboratories introduce the quality management system and obtain the accreditation of such units as: the Polish Centre for Testing and Certification, Lloyd's Register Quality Assurance, Central Office of Measures and Polish Ships' Register.