



Centre for

**INDUSTRIAL APPLICATIONS OF MATHEMATICS
and SYSTEMS ENGINEERING**

"We solve problems"

THE CENTRE

Centre for Industrial Applications of Mathematics and Systems Engineering (CIAMSE) operates within Polish Academy of Sciences in Warsaw. The Centre was officially established in 2010, but it is based on the experience gathered by the Research Group *Industrial Mathematics and System Engineering* since 2005.

Following the best British practice the Centre is involved in solving problems facilitated by companies and institutions using the mathematical thinking. The strategic goal of the Centre is to develop *industrial mathematics* in Poland, which is a human activity which employs precise mathematical description and reasoning in order to solve real-world problems for the benefit of companies and institutions.

EXPERIENCE

CIAMSE members are trained in Poland and in the UK, mainly in Cambridge and Oxford. The Centre has successfully completed more than 50 projects carrying out scientific research at the same time. The constant development of the Centre is reinforced by the way in which it operates. It contributes to increase in knowledge in the fields in which Poland faces shortage of experts.

Various academic qualifications as well as diversified experience of Centre members allowed to complete the whole spectrum of projects. Selected companies and institutions that CIAMSE has worked with are listed below:

- **NBP** (National Bank of Poland)
- **UKE** (Office of Electronic Communications)
- **Infovide-Matrix S.A.**
- **Casinos Poland Ltd.**
- **PWPW S.A.**
(Polish Security Printing Works S.A.)
- **CSIOZ**
(Centre of Health Information Systems)
- **ARP S.A.** (Industrial Development Agency S.A.)
- **UFG** (Insurance Guarantee Fund)
- **OPI** (Information Processing Centre)
- **MEG Ltd.** (Materials Engineers Group Ltd.)

COOPERATION

CIAMSE offers solutions to interdisciplinary and unusual problems provided by companies and institutions. Such issues provide CIAMSE with inspiration for new research. Additionally, they constitute tangible benefits to companies and institutions, e.g.:

- assistance in a proper identification of the problem,
- developing a solution,
- establishing close working relations with academic community, enabling the use of the latest scientific achievements,
- sending a clear signal to a number of potential employees about the kind of problems that a company/institution deals with.