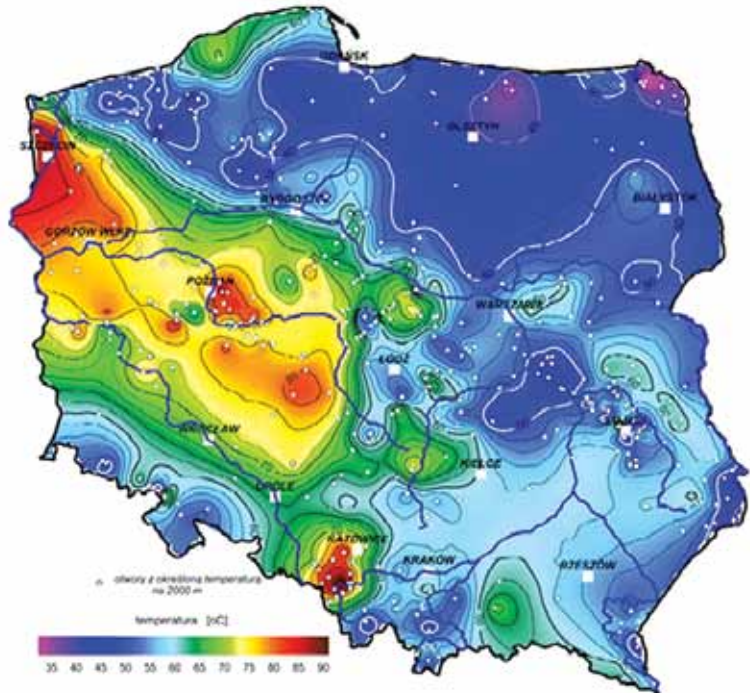


COMPREHENSIVE IMPLEMENTATION OF GEOTHERMAL PROJECTS



Map of temperature distribution at 2 km depth [Szewczyk, 2010]  
Source: www.mos.gov.pl



**67 YEARS OF EXPERIENCE  
IN THE ENERGY MARKET**

**One of the Europe's largest design and engineering companies.**

**Established leadership in the energy sector.**

**Engineering services for development and construction of large power units.**

**Tens of thousands of projects for different economic sectors, primarily power industry,** in Angola, Belarus, Bosnia and Herzegovina, Czech Republic, Denmark, Egypt, Finland, Greece, Holland, India, Jordan, Germany, Nigeria, Portugal, Russia, Romania, Turkey, Ukraine and Great Britain.

**Experience in comprehensive investment handling, including design and consulting services, technical expertise and analyses, construction supervision and general contracting.**



COMPREHENSIVE IMPLEMENTATION OF GEOTHERMAL PROJECTS



**INVESTMENT PLANNING**

- Conceptual design of the use of thermal water energy.
- Support in obtaining licenses for extraction of thermal water.
- Development of documentation regarding the environment, mining and heat engineering.
- Development of technological projects.
- Consulting and support services in the preparation of grant applications.
- Financial analyses, obtaining government and EU grants.

**DESIGN PROCESS**

- Geological research and analyses.
- Analyses of hydrogeological resources of particular geological formations.
- Verification of geothermal resources based on hydrological data from offset holes.
- Analyses of physico-chemical properties of rocks.
- Technological projects of heating stations.
- Building permit designs – obtaining a building permit.
- Detailed designs.

**IMPLEMENTATION**

- Drilling geothermal wells in the day-rate or turn-key formula.
- Quantitative analyses of thermal water.
- Qualitative analyses of thermal water; comprehensive study of corrosive power of a depositional medium in static and dynamic environments, analysis of its mineralization, methods of treatments.
- Construction site management; geological, mining and technological supervision.
- Start-up, test run, system adjustment run.
- Obtaining use permits.
- Commissioning of investments.

**SERVICE**

- Warranty and post-warranty service.
- Constant monitoring of the system.
- Periodic inspections.

