

# COAL FIRED CENTRAL HEATING PLANT/ COGENERATION PLANT

**Client:**

PEC Bugaj, LLC

**Project Location:**

Starachowice, Poland

**Capacity:**

- 53 MW<sub>th</sub> Hot Water Plant
- 32 MW/30 MW<sub>th</sub> Gas Turbine Cogeneration Plant

**Approximate Installed Value:**

\$ Confidential



*PCI was selected by a major energy investment to provide a wide variety of technical services associated with the acquisition and expansion of a coal fired district energy plant in Poland.*

**The scope of work included:**

- Performed detailed technical review and assessment of an existing coal-fired plant in preparation for acquisition
- Reviewed plant emission levels and related operating data
- Determined compliance levels for new EU standards
- Identified and managed the implementation of operating cost reduction strategies
- Provided asset management services
- Negotiated coal contract(s)
- Developed an engineering plan to integrate a coal-fired plant with new gas-fired cogeneration plant
- Prepared design documents including:
  - Heat and material balances
  - Plant arrangement drawings
  - Electrical single-line and related interconnect drawings
  - P&IDs for major plant systems
- Prepared applications for environmental permits
- Secured necessary permits to construct a new gas turbine cogeneration plant

