Delivery and start-up of 6 kV converters on one of the Power Plant units together with by-pass systems and spare parts. The project was carried out within the framework of the "Blocks200+" program for a coal-fired power plant located in eastern Poland.

The task included the installation of PowerFlex 7000 medium voltage (current type) converters as part of the modernization of the existing power supply for flue gas and blast fan motors. Along with the converters, dedicated power switchgear and a bypass were supplied to enable the system to switch to direct power and control the flow by changing the position of the control blades. The use of inverters enabling deep control of fan operation is intended to increase the flexibility of the unit so that it can better respond to fluctuations in power generated by renewable energy sources. Increasing the flexibility of the power system is one of the main objectives of the "Blocks 200+" program, within the framework of which this investment was implemented.

Scope of work performed:

- Technical support at the project stage for the supplied equipment
- Delivery of four PowerFlex 7000 inverters (2 x 120A/850kW and 2 x 160A/1250kW) along with power and bypass switchgear, 6kV from Rockwell Automation
- Commissioning and optimization of operation of the supplied equipment
- Delivery of complete as-built documentation in the modernized scope
- Training on operation and maintenance