

Overview of two 6kV, PowerFlex 7000 frequency inverters operating in the flue gas fan installation of a coal-fired thermal power plant with installed electrical power of more than 240MW and heat generating capacity of more than 800 MW

Customer support throughout the life cycle of the equipment by Introl Automatics increases user awareness of the importance of preventive measures to minimize equipment downtime. Introl Automatyka, as a certified partner of Rockwell Automation in the RcSI (Recognized System Integrator) program, provides services in the field of medium-voltage drive equipment in the warranty and post-warranty period. Appreciating our competence, the client commissioned us to perform a periodic inspection of two PowerFlex 7000 1048kW, 6kV medium voltage frequency converters supplying fans operating in the Flue Gas Desulfurization Plant NID1 and NID2. Inspection performed in accordance with the guidelines of the manufacturer of PF7000 converters included in the inspection schedule in the DTR of the equipment and the User. Additional guidelines

Scope of work performed:

- Archiving the settings of parameters of the converters, analysis of the queue of errors and alarms in terms of potential problems with the converters during operation
- Visual inspection of the converters for loose connections, traces of corrosion, overheating
- Cleaning of air filters and the interior of the converters
- Measurement of the insulation resistance of the converters
- Measurement of thyristor suppression circuits in the rectifier and inverter parts
- Measurement of the value of the supply voltage and all power supplies in the control circuits
- Participation in the start-up of the converters after the work carried out
- Preparation of detailed reports on the work carried out