

## Periodic inspection of fourteen 6kV inverters of the PowerFlex 7000 type at a lignite coal-fired power plant with a total installed capacity of over 2000MW

For Introl Automatyka, customer support does not end with the end of the warranty for the equipment and installations delivered. We comprehensively serve our customers also in the post-warranty period, providing fast response and repair times, technical support and training packages. At one of the most modern power plants in Poland, 14 PowerFlex 7000 medium-voltage frequency converters were in operation as of the implementation date, and five more were in the process of being commissioned. A comprehensive periodic inspection of all medium-voltage drives operating at the power plant was entrusted to our company. The task included inspections of the following drives:

- 2 B-frame drives - air-cooled, which completed the 5th year of operation, in addition to the overhaul, out-of-service components recommended in the device DTR were replaced
- 2 B-frame drives - air-cooled, which completed the 3rd year of operation
- 4 A-frame drives - air-cooled, which completed the 3rd. year of operation

- 6 C-frame drives - liquid-cooled, which have completed the 3rd year of operation, in addition, the refrigerant has been replaced. The scope and type of maintenance activities, strictly defined in the DTR of the device, is related to the size and power of the drive (A-frame, B-frame or C-frame) and the time of its operation. Due to the User's extensive infrastructure, consisting of all types of PowerFlex 7000, it was essential that the contractor have relevant experience in the field of drive systems, confirmed by certifications from Rockwell Automation's RcSI partner program, guaranteeing the highest quality of services.

### Scope of work performed:

Scope in accordance with the Preventive Maintenance Schedule resulting from the technical and operating documentation of the manufacturer of Powerflex7000 drives from Rockwell Automation.