

Delivery and commissioning of the PowerFlex 7000 93A / 6kV frequency converter, together with support at the converter design stage for the system of fluent capacity control of the pumping unit 6kV 740kW in the pumping station I Ist. Water Intake

Thanks to Introl Automatyka good, long-standing cooperation with Rockwell Automation, it was possible to overcome the difficult situation related to the availability of parts and equipment on the market and realize the complete project from order to commissioning in less than 4 months. The scope of the investment included support at the system design stage for the pump drive, delivery including commissioning of a 740kW, 6kV PowerFlex 7000 medium voltage variable frequency drive from Rockwell Automation. This project utilized an existing 30+ year old ring motor. This was made possible by modifying the motor design to short-circuit the rings. Modernization of the pumping system made it possible to achieve smooth regulation of water flow, and to significantly reduce Electricity consumption.

Scope of work performed:

- Technical support at the design stage in the implementation of the frequency converter (in current inverter topology)
- Delivery of medium voltage PowerFlex 7000 93A, 6kV inverter from Rockwell Automation
- Checking and post-assembly measurements
- Commissioning of the drive system by certified Introl Automatyka engineers (without the participation of the manufacturer)
- Participation in commissioning and optimization of the operation of the pumping system