ZĎAS ELEKTROTECHNIKA

PRESENTATION

ENGINEERING, MANUFACTURING PROCESS AUTOMATION, MANUFACTURE

The scope of activities of Electric designing and Electric manufacturing departments of ŽĎAS, a.s. includes the development, design, design processing of documentation, development of PLC application SW and visualizations, and in-house manufacturing of electric equipment both for products made within ŽĎAS, a.s. and for the plant being reconditioned and in operation within ŽĎAS, a.s.

Scope of our main activities:

In the field of industrial automation we can offer complete solutions to electrical equipment, control systems, sensors and actuators, i.e. as from the analysis, design, supply, installation up to commissioning. The scope of the main activities we are focusing on includes complete solutions to electrical equipment for the following products:

- Straightening/dividing/inspection lines and their modifications
- Cooling beds including material transportation and handling facilities
- Shears (drum, chopper, hydraulic, crank, cutting types) and their modifications
- Uncoilers, recoilers
- Container-type and stationary shears for scrap processing
- Scrap baling and cutting presses
- Hydraulic/mechanical presses
- Machine equipment (manipulators, conveyers, turntables, loaders, upsetting machines)
- Open die forging machines/equipment
- Automatic transfer presses
- Customized equipment complexes
- Conventional machine tools
- CNC machine tools (rebuilds, refurbishment) equipped with control systems SINUMERIC 840D, MEFI CNC872 (boring machines, cutting machines, flame-cutting machines, horizontal-boring-and-milling machines, vertical boring and turning machines, lathes, turntables)
- Cranes, placers and modifications of lifting equipment
- Air-blast machines/chambers and their modifications
- Arc (melting) furnace control & regulation
- Annealing/heating furnaces control & regulation
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What else we can offer:

- Execution of local industrial systems, especially on the basis of Industrial Ethernet, PROFIBUS
- Data collection at the technological level in control systems (PLC, SCADA)
- Statistics processing by means of monitoring systems (machines effectiveness, fault frequency etc.)
- Up-grading of existing obsolete control systems
- Extended fault diagnosis to minimize lost times in manufacture
- Automatic process-data forwarding through e-mail for remote analysis from anywhere
- Remote access to the required monitor PC through the Internet/Intranet
- Teleservice of the delivered control system using modems

Specialization:

- Designs of the control systems PLC Simatic S7, B+R, Koyo, Allen-Bradley, SCADA Win CC, In Touch, Control Web
- Designs of the drives (direct-current, alternating-current, servo types) from the companies SIEMENS, CONTROL TECHNIQUES, YASKAWA

Design software:

- EPLAN Electric P8, AutoCAD 2009, ECS-CAD v.10.0

More detailed information you will find on the internet sites www.elektroprojekce.eu **that have been created to provide technical assistance to our customers. The sites also comprise references, examples of designs, examples of SW PLC and visualizations etc.**

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