



AUTOMATION Study of technological process control

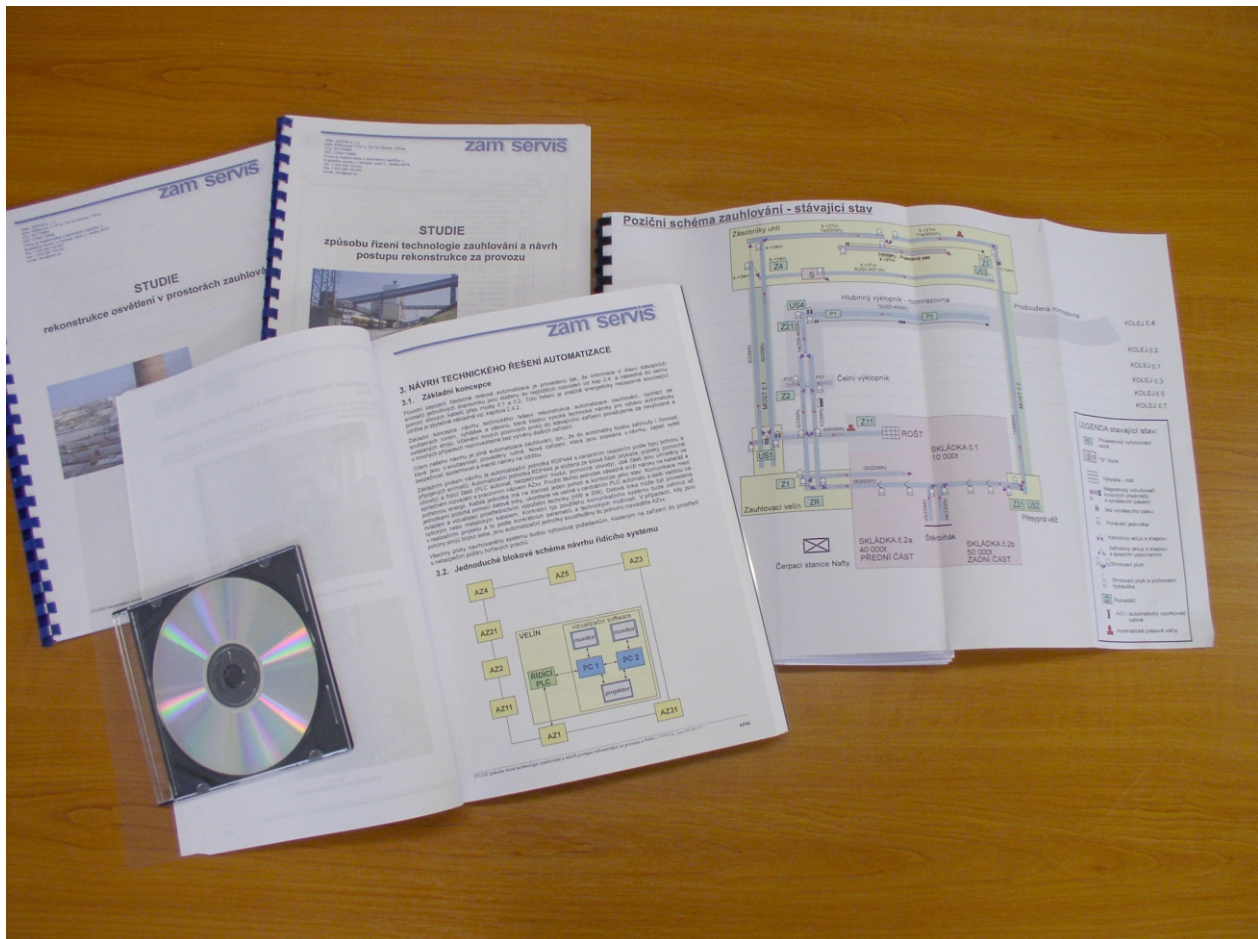
Description:

The main object of the study is the preparation of source data for contractual documents for the selection procedure for the project for modernizing or reconstructing the electric equipment of the technological line where the level of automation of the required processes should be as high as possible. If no selection procedure is held, the results of the study and the resulting recommendations can be used as project groundwork.

The study is elaborated in the following main steps:

- description of the current condition of the electric equipment
- operational documentation recency check and record of differences
- electrical equipment status analysis, especially in terms of long-term service lifetime and reliability

- current machinery and electric equipment safety analysis according to the relevant EN ČSN
- suggestion of technical solution for automation including all possible variants respecting the relevant laws (regulations and statutory orders) and standards
- recommending of concrete automation elements suitable for the suggested technical solution (if required by the specification)
- suggestion of the implementation procedure, if possible in operation, including all variants
- economic impact analysis (if the necessary source data are available)
- safety impact analysis (safety of the employees, operation safety, fire safety, etc.).



The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



AUTOMATION Project for modernizing (reconstructing) the electric equipment of the technological line

Description:

We elaborate projects for modernizing or reconstructing the electric equipment of technological lines according to our customers' requirements following the contractual documents, e.g. in terms of a selection procedure.

We offer and recommend especially complex solutions, which include:

- a study which describes and assesses the current condition of the electric equipment, suggests an optimum procedure for reconstruction, and creates project groundwork,

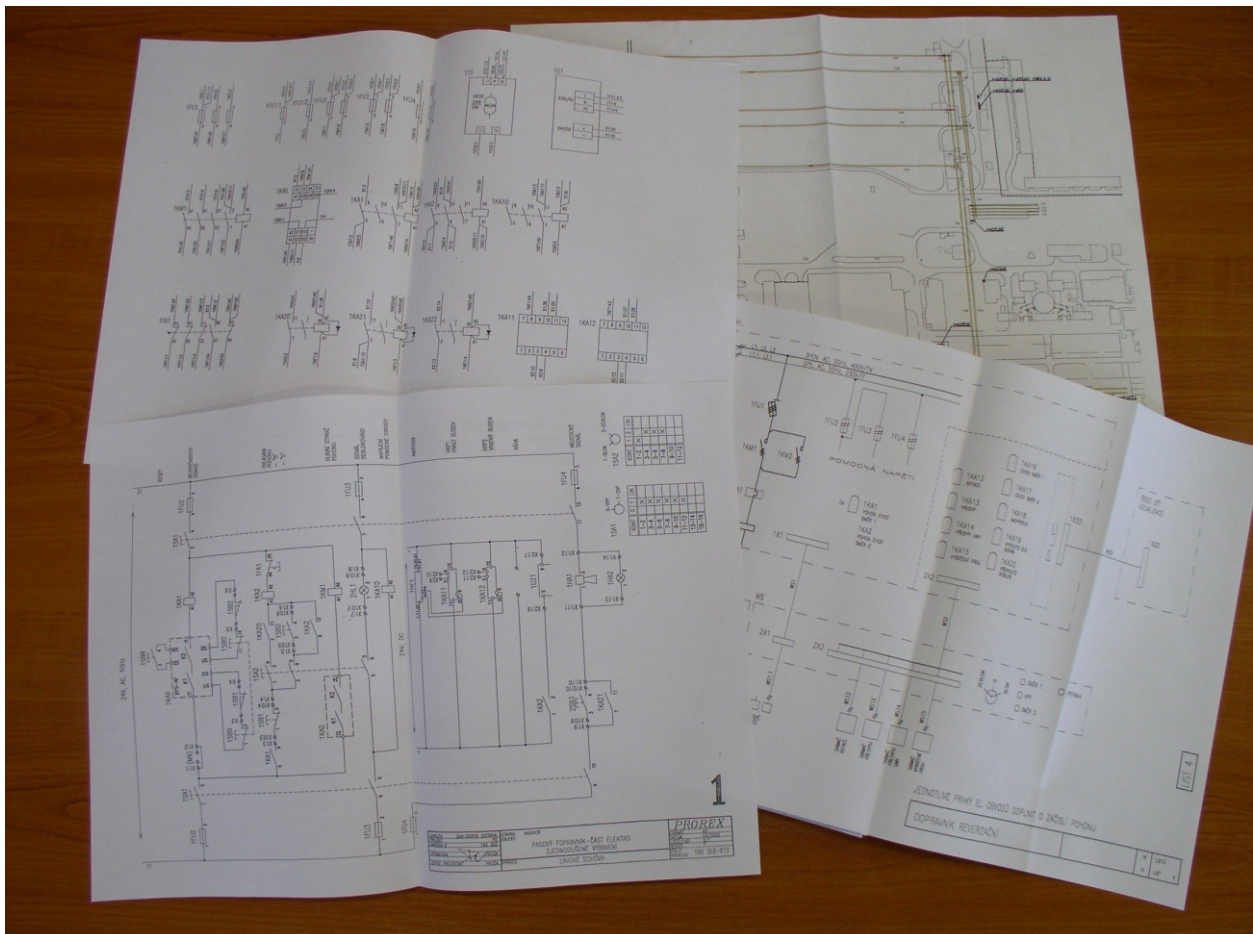
- a project containing complete drawing documentation (flow diagrams, block diagrams, overview diagrams, line diagrams, distribution boards equipment, power supply, etc.), technical specification, tables with descriptions of the individual control and safety elements,

- tables of power and control cabling, realization schedules, procedures for reconstruction without service interruption, and other necessary documents given by the scope of the project,

- consulting the project with the customer's relevant responsible worker

- adapting the project to the customer's suggestions and elaborating the definitive project for realization.

The complex solution is a big advantage, because it makes it possible to remove potential misunderstandings, resulting from ambiguous specifications and causing implementation delays, already during the elaborating of the study and during consultations.



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