

From process to automation

Function and design specification clarification

The function clarification and design specification of the operating software is always a challenge for greenfield as well as for migration projects. Although the process and plant technical data and in some cases also functions are generally already available digitally and specification / configuration is supported by software tools, additional transfer services between the individual disciplines have to be provided. If this leads to problems, extended test and commissioning times as well as a delayed market introduction can be the result.

For the comprehensive transfer of process and plant technical data in connection with the specific operator requirements (e.g. through the process specific operating and handling modes including startup and shutdown processes) into the functional specifications for the process control system and its interfaces, detailed functional clarifications in the expert discussion between process engineering (process know-how) and automation technology are indispensable: It is important to moderate between the process world and the world of software design without losing information.

The successful implementation of the operator requirements in the application software allows shorter test and commissioning times and thus a faster (re)-start of production.

The service "From process to PLS application software" supports PLS engineering in the chemical and pharmaceutical industries by means of multidisciplinary functional clarification and software specification, led by our automation experts. As an introduction, we offer a one-day workshop. Following this, a range of services corresponding to your individual requirements up to complete functional clarifications and design specifications of complete systems can be created.

Project examples

- Production of carbon fibers
- Production of caustic soda
- Production of API's
- Production of plant protectants
- Production of plastic

Interested? Contact us!

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Your benefit

- Support by our experts with industry-specific know-how
- Operating software specification as basis for testing und approval
- Quality control during the implementation
- Improved efficiency in Engineering and Lifecycle
- Shortened test and commissioning times
- Faster market introduction

Our service offer

- Clarification of functions in a dialogue between process engineering and automation
- Description of requirements of plant operation and creation of functional presetting's
- Analysis of the process
- Clarification and description of recipe operation mode
- Preparation of interlocking and sequence plans
- Compilation of an operator and monitoring concept
- Clarification and description of PLS-interfaces to package units
- Definition of archiving, logging and access management