



Plant Automation Everything You Desire

Besides stand-alone machines, we also automate complete process lines with extensive peripheral elements. A wide variety of components is used – so that we can always react flexibly to your wishes.

Centrifugal separation technology is used in over 2000 applications in diverse branches of industry.

Plant Automation has the challenging task of developing an optimum automation solution from process engineering, machine technology, drive and control engineering. The more complex the installation, the higher the demand on automation.

Solutions that give higher performance

To realize our solutions, we access a pool of expert knowledge built up over 100 years at the cutting edge of mechanical separation technology.

Your benefit: our close proximity to process engineering and the design departments gives you the decisive competitive advantage.



Our automation solution grows simultaneously with the process line to be realized and with your installation.

Our specialists look after your installation with competent process engineering

support from the planning phase up to final commissioning – the same specialists are naturally available in an advisory capacity afterwards.

Our speciality: complexity

In installations, the centrifuge is integrated in a complex process. Frequently, several plant components must be equipped with independent control systems – or existing installations must be integrated in new process lines.



The specialists of our plant automation network independent control systems and different plant components. Individual components such as CIP (Cleaning-In-Place) can be jointly utilised by different plant components.



Implementing safe interface connections

In addition to the software that has to be connected when realizing new installations, an extensive software connection to existing installations or processes is often required.

In this form, we can offer you an individually customized automation of your process line. The integrated decentral peripherals often comprises dozens of control circuits and hundreds of analog inputs/outputs, drives and valves which are controlled with intelligent terminal strips in local terminal boxes.

Our experts can handle this networking from simple status signals right up to complete process data exchange with existing customer networks. Besides the best known systems such as Profibus DP/PA or Industrial Ethernet, special systems like DeviceNet, ControlNet or Modbus are also used.

This means we are your contact for everything: we integrate your installations and their components from reception right through to the packing station in the complete process and join together all individual components to form a unit.



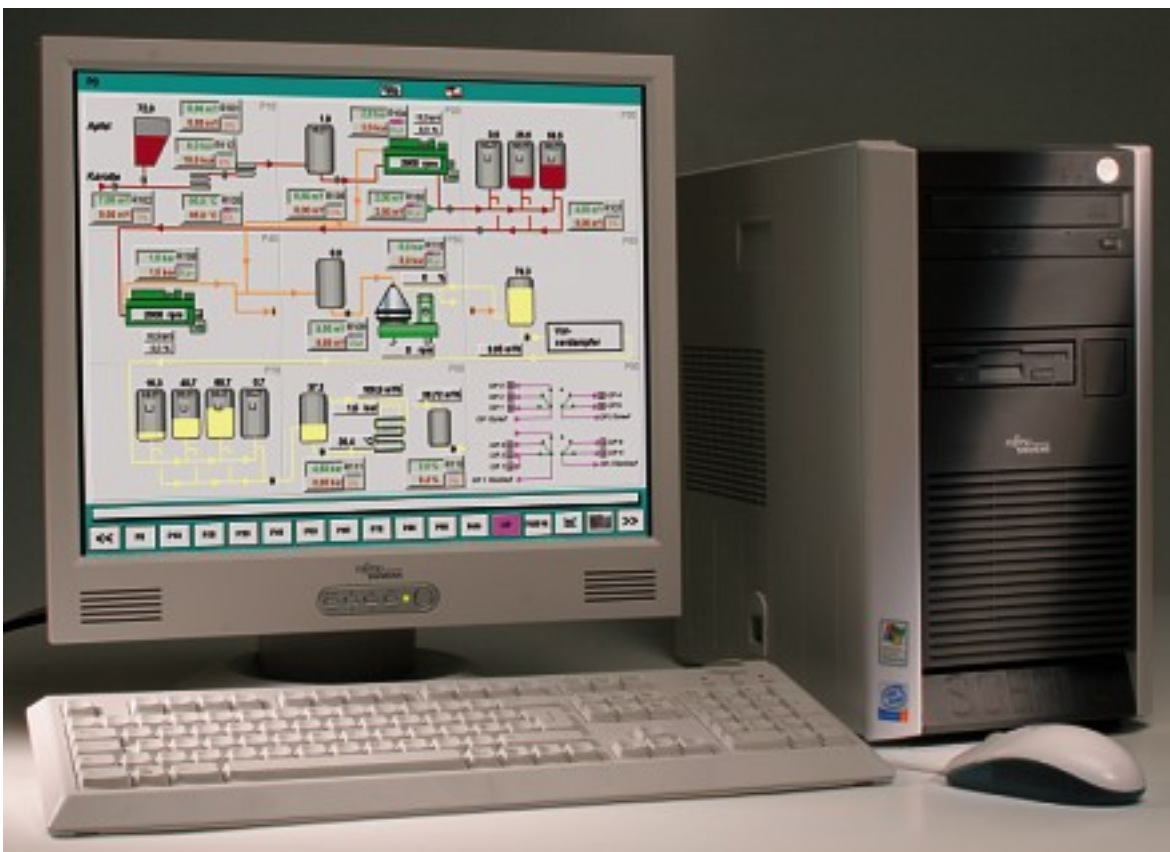


System intelligence

The core of plant automation is the automation system used along with the corresponding visualisation. Our plant programmers use computer-aided systems from different manufacturers and corresponding different software for the automation – custom-made for you.

While S7 control systems from Siemens represent the standard, control systems from Allen Bradley, Groupe Schneider, Mitsubishi, Modicon or Telemecanique can also be used and, if needed, networked with each other.

The visualisation system used at any rate offers optimum user-friendliness. Depending on the installation, we can use up to five visualisation systems simultaneously. Interfacing different visualisation systems such as WinCC or Intouch is a further speciality of our experts.





Individual configuration

No two installations are the same. Even when identical raw products are produced with identical processing lines and the same country-specific laws and regulations must be complied with, every plant has its own unique challenges.

This is why we plan and configure our installations entirely in line with your specifications and wishes. You benefit from our comprehensive service spectrum such as for example:

- Optimisation of P&IDs
- Automation of explosion-proof installations, e.g. biodiesel
- Actuation of the valves direct or via valve clusters
- Use of a cleaning unit/a CIP station for several installations and components
- Configuration of redundant WinCC systems/ computer systems
- Logging of complex plant data

Our specialists translate your specific requirements into automation systems. They carry out commissioning on site, perform on request the complete monitoring of the installation and train your operating personnel.

The same specialists are available to assist you years later – for servicing, modernisations or also for upgrading your plant automation from Westfalia Separator Engineering.



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