

Control system modernisation

Does your control system still have a future?

the full service provider:
 customised migration concept
 shortest possible idle time
 intensive training
 production support phase

By the example of Siemens: Customers worldwide have been entrusting their valuable production processes to the SIMATIC S5 control system for more than 20 years. It is very understandable that Siemens is now gradually removing the successful S5 models from its standard delivery programme. The S5 control systems are obviously getting a bit long in the tooth, development has clearly progressed. The successor - the SIMATIC S7 system - has become the established and undisputed state-of-the-art.

Other well-known manufacturers, such as e.g. Allen Bradley or Schneider, also offer state-of-the-art control systems, which are superior to the old systems in many ways. Considerable progress has been made within the last 2 decades concerning functionality and performance. The changeover of a production plant from an old to a new control system, frequently also called "migration", can bring about many improvements:

- High flexibility and/or expansion / upgrade capability
- Increased productivity and efficiency
- Higher product quality
- Implementation of new guidelines
- And much more.

THE INNOVATION



Many companies balk at the thought of the changeover despite the many benefits a new control system provides. The following 2 reasons are probably mainly responsible for this fact:

1. Control system modernisation initially requires a substantial investment.
2. A lengthy plant standstill during the reequipment phase is not usually tolerable, because this would inevitably entail high economic losses.

Consider all these points:
Maybe a new control system would pay off faster than you have assumed until now!

Challenge us:
We have the know-how and the commitment to accomplish the changeover in the shortest time possible.



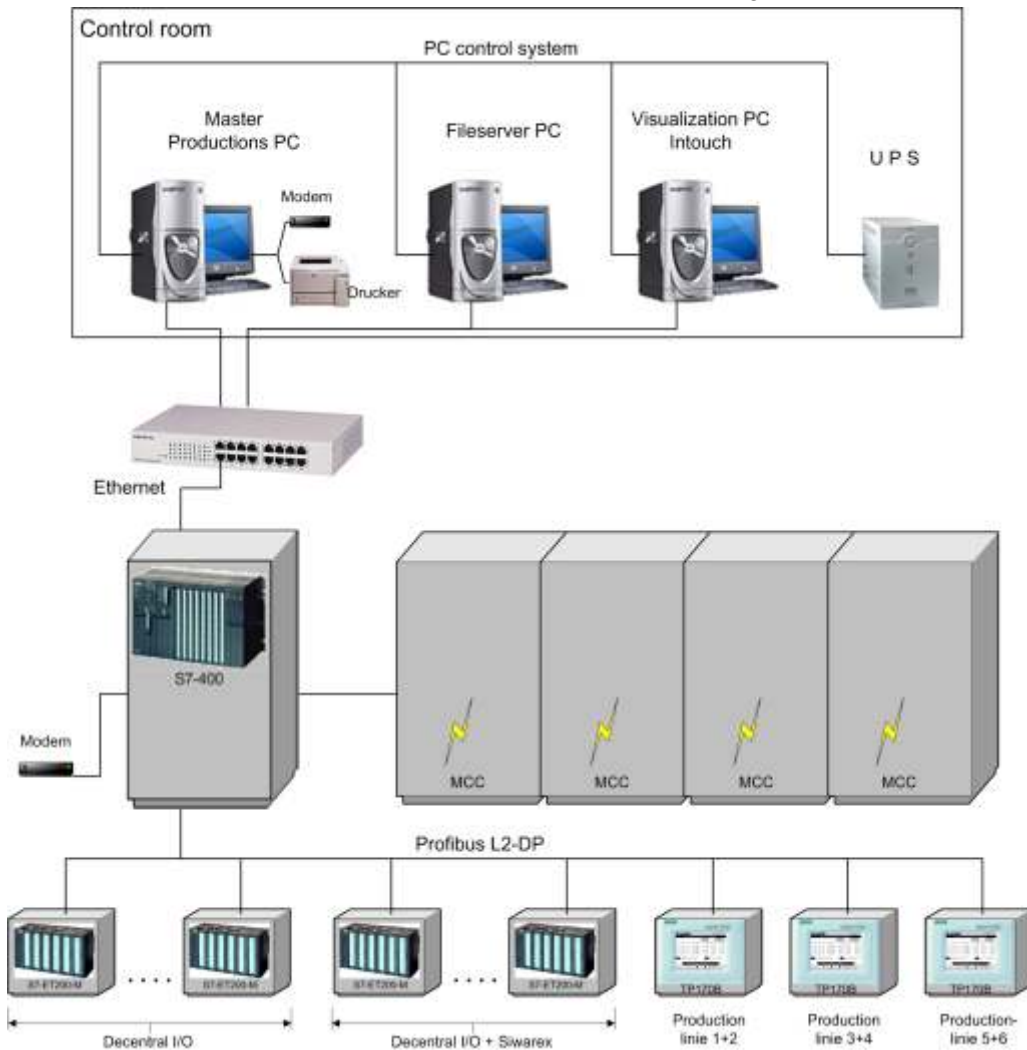
Why change the old control system?

- Example Siemens: S5 control systems are phase-out products! The countdown is running...
- The old systems have an increasingly inferior cost/performance ratio due to significant price increases of the manufacturers
- The service and support options for old systems are decreasing rapidly.
- Strongly limited functional range

- No up-to-date diagnostic possibilities
- High costs for expansions / upgrades, if these even still make sense and/or are possible.
- High maintenance costs
- Due to the age of the components, there is an increased danger of sudden electronic defects and therefore expensive idle times. Do not wait for the next breakdown!

Why do you need a modern control system?

- State-of-the-art: both of functionality and performance.
- High flexibility and/or expansion / upgrade capability
- Increased productivity and efficiency
- Higher product quality
- You have all possibilities of state-of-the-art automatic control engineering at your fingertips, e.g. **MES** and **ERP**
- Implementation of new guidelines
- Investment security by automation concepts, such as e.g. Siemens - Totally Integrated Automation (TIA)
- Better service and support by the manufacturer
- Better / faster spare part supply with by far lower spare part costs
- Lower maintenance costs
- Clearing up of "historically grown" structures
- Smooth coupling of the control system
- Improved handling of data



Application example of a S7-400 in a production plant with six lines and Siwarex scales