



Never change a  
running system ...



... unless there is good  
reason to do so.

**simatic**

[www.siemens.com/plc-migration](http://www.siemens.com/plc-migration)

**SIEMENS**

# All the reasons for you

Almost thirty years of successful PLC technology based on SIMATIC S5 led to a huge installed basis worldwide. Since its introduction to the world market SIMATIC S5 has been available for over two decades as an entire family of controllers fulfilling control tasks from low end to high end in both process industry and factory automation. Never change a running system! However, considering the necessity to keep up with an ever present progress, there is a point in time when modernization is a must to stay competitive. Explore the benefits of modernization and optimization of your machines and your production plant, without exhausting your budgets, while retaining as much of the accumulated systems expertise as possible, all the while keeping production running. Migration to the SIMATIC S7 technology can provide you with the competitive manufacturing edge you may be seeking via increased system functionality, availability, and efficiency in the manufacturing process.



## Why migration is worth considering

While discussing the necessity of modernization, there are some questions that have to be asked:

- Do you want to increase production capacity, improve product quality, and reduce production and maintenance costs?
- Is your annual maintenance budget increasing year over year?
- Are you spending valuable time on reactive maintenance tasks?
- Are you experiencing increased unscheduled downtime and difficulties sourcing qualified technical service and support?

If you answered "yes" to any of these questions, you are ready to explore modernization with migration.

## Why migration to SIMATIC S7 is worth it

Aside from increased productivity, overall efficiency, and availability, modernization and a modern SIMATIC automation control system will provide many further technological and financial benefits:

- Compliance to new manufacturing standards
- Access to a broader range of integrated automation functionalities
- Integration of the control system and manufacturing plant into a MES/SAP system
- Integration of further functionalities such as visualization, technology, or data archiving
- Flexible expansion using plug-in I/O modules, function modules, and communication modules

# Step by step and tailored to your needs – migration from proven to proven

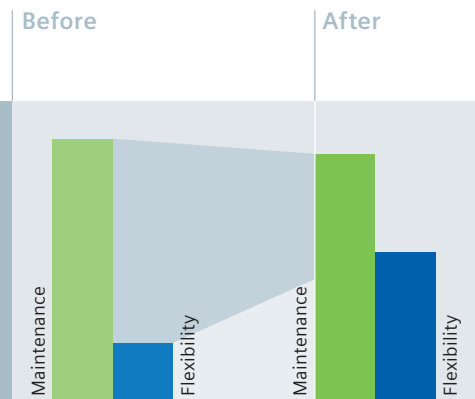
We have concentrated our efforts on developing a migration strategy that enables you access to all the advantages of a modern control system without having to worry about downtime or production deficits during the migration process. With a differentiated offer that targets all industries and can be specifically tailored to fit your individual needs, we are convinced that we can keep your production running, reduce the technical risk to a minimum, and keep your costs as low as possible.

Siemens and its network of Certified Solution Partners have successfully migrated SIMATIC S5 to SIMATIC S7 on a global basis using proven flexible migration strategies tailored to your technical needs – always keeping your budget and the obvious goal to minimize downtime during the process in mind. Based on our long years of experience with migration of different automation and process control systems, we have developed the following three options:

## 1

### System Expansion

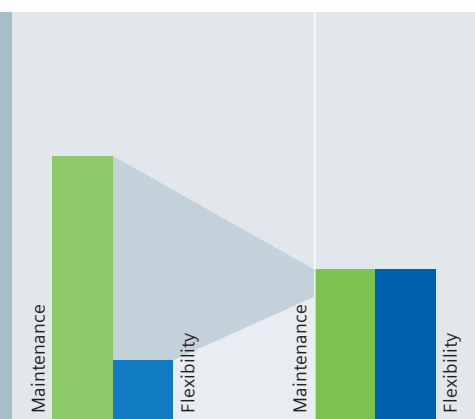
- Replacement / enhancement of visual interface (HMI)
- Expanding existing I/O count by adding further I/Os
- Update and upgrade of communication network
- Addition of other field devices such as drives and inverters



## 2

### Partial Migration

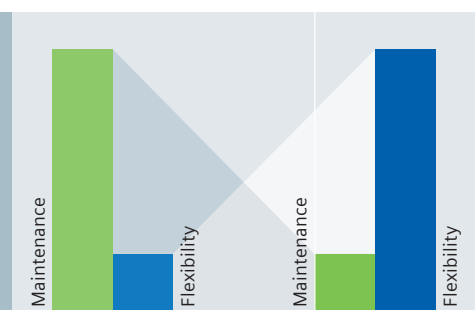
- Replacement of visual interface (HMI and / or SCADA system)
- Replacement of existing controller
- Update and upgrade of communication network and devices
- Technology add-on to existing control system, such as safety devices and I/Os
- Addition of other field devices, such as drives and inverters
- Replacement of specific components to fulfill conformity standards
- Connection of existing field level devices without the need for terminal rewiring



## 3

### Complete System Migration

- Redesign of the entire control system to take advantage of Totally Integrated Automation (TIA)
- Benefit from using automation and networking technologies by linking the manufacturing process to a MES or SAP system



## Get more information

[www.siemens.com/plc-migration](http://www.siemens.com/plc-migration)

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