

## Modernization of your Siemens TELEPERM M / ME system

Your company's process control scheme is based on TELEPERM M/ME systems? The fact that the components of the process control level have already been discontinued by the manufacturer gives the question of modernization and expansion of your system new importance and urgency.

The scope of the new investment should be clear and within acceptable limits. And the effort and time spent on training to get your personnel familiar with the new systems should be kept to a minimum.

We modernize TELEPERM M/ME control systems and control system components by means of a "soft", step-by-step and cost-effective transition to standard technologies.

- Emulation is our modernization solution for plants that merely require replacement of the hardware components, usually due to the discontinuation by the manufacturer. The existing devices (computers, workstations, etc.) are replaced by commercial off-the-shelf hardware based on Windows operating systems.
- Migration is our modernization solution for plants that also require replacement of the software components. In addition to the modernization of the hardware platform with Windows server computers, the existing software is replaced by up-to-date SCADA systems. The goal is a future-oriented non-proprietary system open for the connection to the modern Windows world.

TELEPERM M/ME components can be modernized in the following ways:

### **Emulation of the OS/IS systems (OS254, OS262, OS265, MADAM S)**

One-to-one emulation of the OS / IS systems on Windows-based computers.

### **Emulation of DSO78 and VDU2000 operator stations**

The DS078 and VDU2000 terminal emulations are Windows applications running on Windows-based computers.

### **Open CS275 system bus communication over gateway connection**

The gateway converts the existing CS275 system bus to the TCP/IP standard (LAN).

**Migration of the OS / IS systems (OS254, OS262, OS265, OS520, OS525, AS231, ...MADAM S)**

**to a standard operator control system (WinCC / Citect, or similar)**

All structure information from the OS / IS systems, STRUKT / GET and ASxxx are preserved and ported to the new platform - no need for new structures, wiring and extensive testing.

All plant-specific objects (formerly known as NOBI) are available for new process diagrams and will be automatically connected with the variables from the migration database (automatic wiring).

**TOOLS**

1. Backup documentation:  
Function charts can be created (also in the form of dynamic process diagrams) from the structure files of the ASxxx central unit and modules with the help of an FIBU generator.
2. Migration of AS modules to S7 modules:  
SIMATIC S7 function blocks are generated from the ASxxx structure information with the help of a function block generator.
3. Extended alarm recording and distribution:  
Acquisition of all faults detected in the control system infrastructure, LAN cable installation, UPS units, switches, camera images, and integration in the alarm system. Notification over the telephone, by e-mail or SMS message, etc.

With the information above we hope to give you some idea of the various possibilities for the modernization of your TELEPERM M/ME systems.