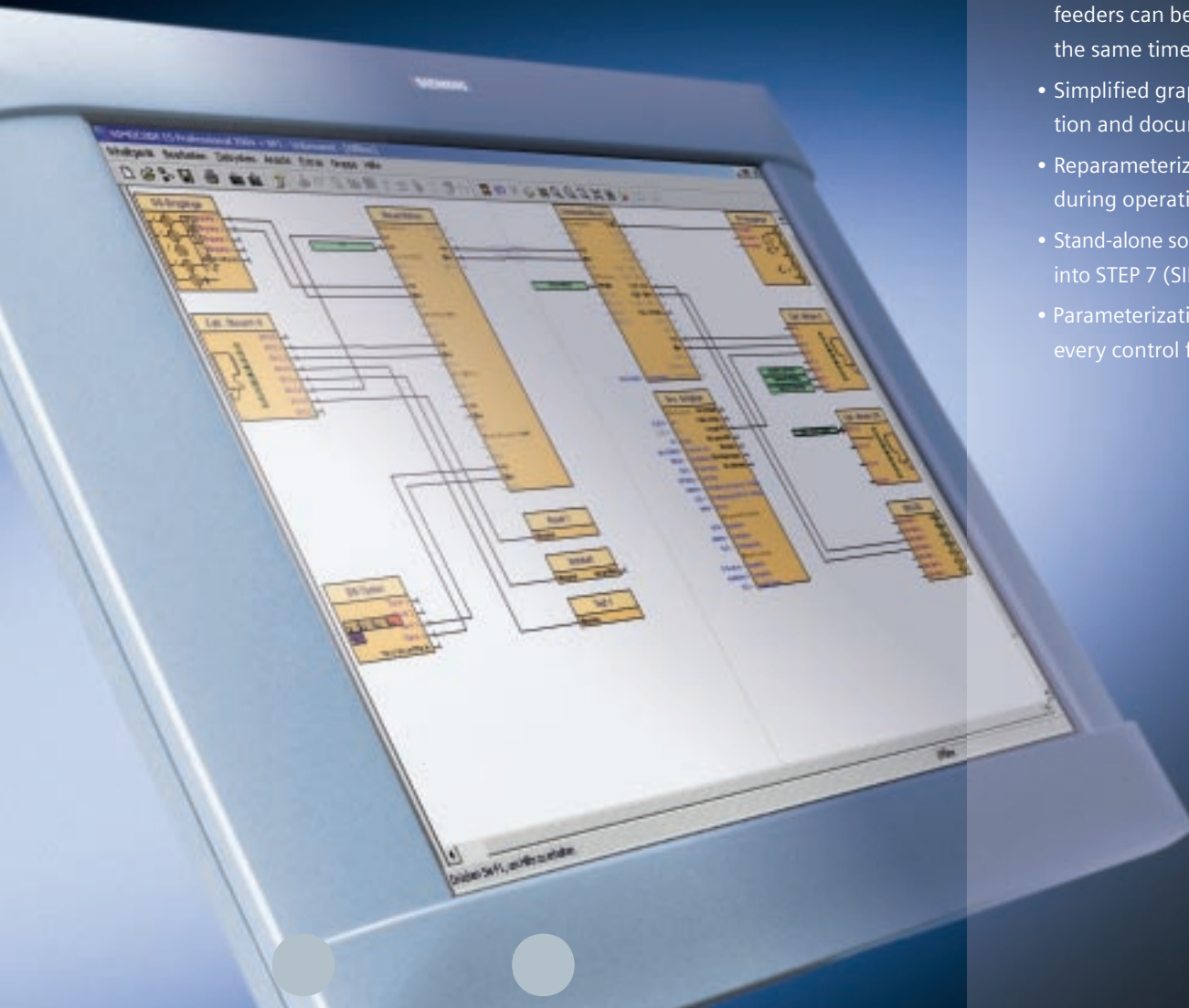


The software that makes processes more efficient: **SIMOCODE ES**



Highlights:

- Simple and fast diagnostics
- Time-saving as several motor feeders can be commissioned at the same time
- Simplified graphic parameterization and documentation
- Reparameterization is possible during operation
- Stand-alone solution or integrated into STEP 7 (SIMATIC S7)
- Parameterization examples for every control function

Low-Voltage Industrial Controls

sirius

MOTOR MANAGEMENT

Lower engineering costs, shorter commissioning times, faster troubleshooting: The flexible and modular motor management system SIMOCODE pro can help you be successful due to a series of innovative software tools. You can quickly parameterize, engineer and troubleshoot your motor feeder in a unified fashion using the **SIMOCODE ES** software, the **OM SIMOCODE pro** object manager and the **SIMOCODE ES Graphic** graphic editor.

SIEMENS

Extensive range of features for every need

Due to the innovative software packages for SIMOCODE pro, the time-consuming engineering, commissioning and service & maintenance of your plant or system is significantly simplified.



SIMOCODE ES: The unified and integrated software for higher plant productivity

SIMOCODE ES is the central software for commissioning, operation and diagnostics of SIMOCODE pro. Unnecessary plant downtimes can be prevented by making parameter changes online during operation.

In SIMOCODE pro, the control and protective functions as well as the control circuit wiring are implemented using software which can be simply set using SIMOCODE ES. Two versions are available: SIMOCODE ES Smart and SIMOCODE ES Professional.

With SIMOCODE ES Smart, the parameterization is realized directly in the device itself and with SIMOCODE ES Professional, parameterization and diagnostics are centrally realized via PROFIBUS. All of the operating, service and diagnostics data is displayed so that information is available at any time regarding the current status of the motors and the plant.

The OM SIMOCODE pro object manager is a part of SIMOCODE ES Professional. Due to this software tool, SIMOCODE ES is “totally integrated” – within the framework of SIMATIC S7. If both software packages are installed on every PG/PC, which can also be used to configure the SIMATIC S7 hardware, SIMOCODE ES can be directly called from STEP 7. Fast.

SIMOCODE ES Graphic: The intelligent tool for more transparency

The SIMOCODE ES Graphic graphic editor can be optionally used with SIMOCODE ES Smart or SIMOCODE ES Professional. The parameterizing interface is therefore expanded by a powerful graphic editor. Due to the graphic device parameterization, the documentation of the device parameterization – and therefore the plant documentation – is significantly more transparent.

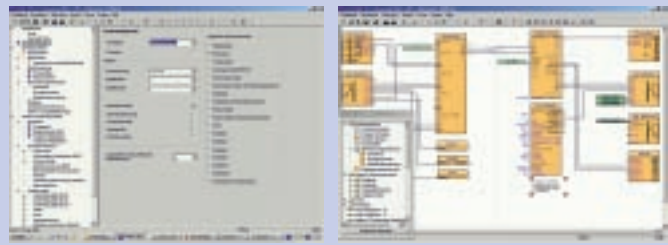


New performance for the plant life cycle

Configuring

- The device functions are graphically configured by:
 - dragging & dropping
 - interlinking function blocks
 - setting parameters
- Documentation using detailed parameter lists
- The parameterized logical functions are graphically displayed
- Descriptive comments are provided for the logical functions

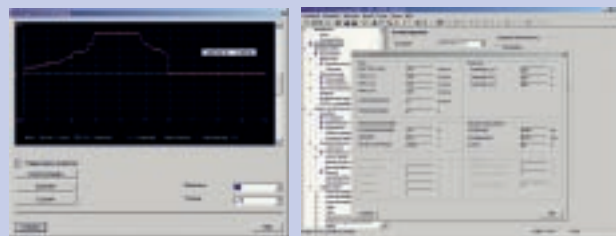
Engineering Commissioning Maintenance / Service



Commissioning

- Devices are parameterized via PROFIBUS resulting in simpler, faster commissioning from a central location
- Starting measured value characteristics – e.g. the motor current – can be exported to Excel for further evaluation
- Every motor is identified related to the feeder (location code and plant code) in the device – therefore a direct reference to the circuit diagram
- Group parameterization, i.e. several devices can be simultaneously commissioned via PROFIBUS
- The feeder is tested and controlled while commissioning, directly at the control cabinet or via PROFIBUS

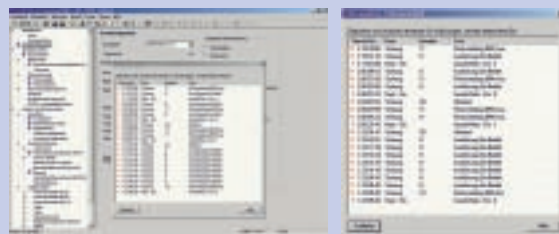
Engineering Commissioning Maintenance / Service



Maintenance / Service

- Maintenance-relevant comments can be saved in the devices – referenced to the particular feeder – and read out via the PLC
- A fault log in the devices provides information about the last 21 events if faults occurred or service was required
- Transparent online dialog for alarms, faults and messages
- Detailed service and statistical data is displayed and can be reset when a fault has occurred or maintenance is required

Engineering Commissioning Maintenance / Service



Hardware prerequisites

You require a programming device or a computer with the following minimum processor performance (recommendation from Microsoft), RAM memory and graphics to use SIMOCODE ES:

	Processor	RAM	Graphics
MS Windows 2000	P 600	256 MB	SVGA 1024 x 768
MS Windows XP	P 800	256 MB	SVGA 1024 x 768

SIMOCODE ES takes up approx. 150 MB memory on your hard disk. When using SIMOCODE ES on PROFIBUS, you will require a Siemens communications processor for a PROFIBUS network.

Software prerequisites

SIMOCODE ES can run with the following operating systems:

- MS Windows 2000 Professional, min. SP3
- MS Windows XP Professional, min. SP1

MS Windows XP Home, MS Windows 95, MS Windows 98, MS Windows Millennium Edition and MS Windows NT operating systems are not supported.

Ordering data

■ SIMOCODE ES Smart

to parameterize the device via the system port at the device
Order No. 3ZS1 312-1CC10-0YA0

■ SIMOCODE ES Professional

to parameterize via PROFIBUS or the system port at the device,
incl. STEP 7 Object Manager
Order No. 3ZS1 312-2CC10-0YA0

■ SIMOCODE ES Graphic

option for SIMOCODE ES Smart/Professional to include a graphic editor for ergonomic and user-friendly parameterization by dragging & dropping
Order No. 3ZS1 312-3CC10-0YA0

The information provided in this brochure contains merely general descriptions or characteristics of performance which in

actual case of use do not always apply as described or which may change as a result of further development of the products.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.