

SIRIUS

Industrial Controls

Catalog IC 10 · 2014



The products and systems described in this catalog are manufactured/distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos. see www.siemens.com/system-certificates/ce). The certificate is recognized by all IQNet countries.

Supersedes:

Catalog IC 10 · 2012 (English edition)

Catalog News IC 10 N up to 09/2013

Refer to the Industry Mall for current updates of this catalog:

www.siemens.com/industrymall

The products contained in this catalog can also be found in the Interactive Catalog CA 01.

Order No.:

E86060-D4001-A510-D3-7600 (DVD)

Please contact your local Siemens branch

© Siemens AG 2013



Printed on paper from sustainably managed forests and controlled sources.

www.pefc.org

1 Introduction

2 Industrial Communication

3 Switching Devices – Contactors and Contactor Assemblies – for Switching Motors

4 Switching Devices – Contactors and Contactor Assemblies – Special Applications

5 Switching Devices – Contactors and Contactor Assemblies – Contactor Relays and Relays

6 Switching Devices – Soft Starters and Solid-State Switching Devices

7 Protection Equipment

8 Load Feeders and Motor Starters for Use in the Control Cabinet

9 Motor Starters for Use in the Field, High Degree of Protection

10 Monitoring and Control Devices

11 Safety Technology

12 Position and Safety Switches

13 Commanding and Signaling Devices

14 Parametrization, Configuration and Visualization with SIRIUS

15 Products for Specific Requirements

16 Appendix

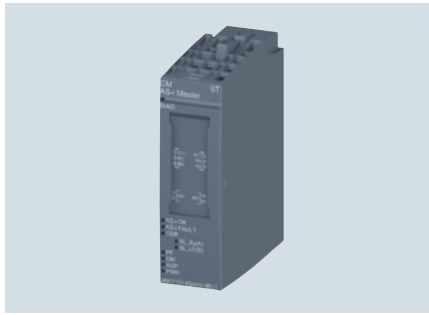
NEW



■ **CM 1243-2 communication module**
AS-i master for SIMATIC S7-1200

■ Article No.: 3RK7243-2AA30-0XB0

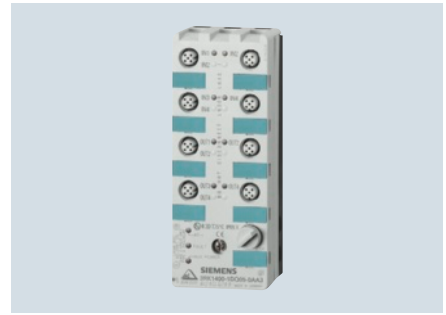
■ Page 2/28



■ **CM AS-i Master ST**
communication module for ET 200SP

■ Article No.: 3RK7137-6SA00-0BC1

■ Page 2/33



■ **AS-Interface digital I/O modules IP67 - K60**
for use in the field, high degree of protection

■ Article No.: 3RK2200-0CQ00-0AA3,
3RK2100-1CQ00-0AA3

■ Page 2/49



■ **AS-Interface digital I/O modules IP67 - K45**
for use in the field, high degree of protection

■ Article No.: 3RK2200-0DQ20-0AA3,
3RK2100-1CQ20-0AA3

■ Page 2/53



■ **30 V power supply units**
for AS-Interface

■ Article No.: 3RX9511-0AA00, 3RX9512-0AA00,
3RX9513-0AA00

■ Page 2/72



■ **AS-Interface DCM 1271 data decoupling**
module for SIMATIC S7-1200

■ Article No.: 3RK7271-1AA30-0AA0

■ Page 2/76



■ **AS-Interface Extension Plug Compact**
for expansion of an AS-Interface segment

■ Article No.: 3RK1901-1MX02

■ Page 2/80



■ **Addressing unit**
for AS-Interface

■ Article No.: 3RK1904-2AB02

■ Page 2/81



■ **IO-Link master module CM 4xIO-Link**
communication module for ET 200SP

■ Article No.: 6ES7137-6BD00-0BA0

■ Page 2/95



■ **PROFINET communication module**
for SIRIUS 3RW44 soft starters

■ Article No.: 3RW4900-ONC00

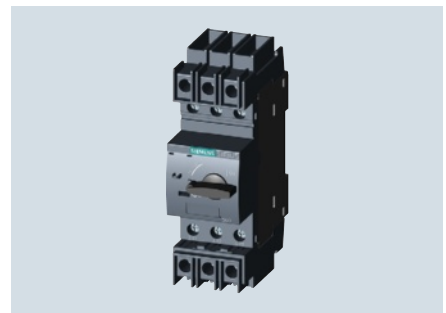
■ Page 6/37



■ **SIRIUS 3RV2 motor starter protector, size S0**
for small rated currents

■ Article No.: 3RV2021-0..10, 3RV2021-0..20,
3RV2021-1.A.0, 3RV2321-1.C.0

■ Pages 7/19, 7/22



■ **SIRIUS 3RV2 circuit breaker acc. to UL 489/**
CSA C22.2 No.5, size S0 with screw terminal

■ Article No.: 3RV2721-4.D10, 3RV2821-4.D10

■ Pages 7/24, 7/25



■ **SIIRIUS 3RB24 solid-state overload relay**
for IO-Link
■ Article No.: 3RB2483-4A.1

■ Page 7/139



■ **SIIRIUS 3RA2 load feeder**
size S0 with spring-type terminals
■ Article No.: 3RA2120-1., 3RA2220-1.

■ Pages 8/16, 8/24



■ **SIIRIUS 3RM1 motor starter**
■ Article No.: 3RM1.

■ Page 8/83



■ **SIMATIC ET 200S motor starter**
High Feature
■ Article No.: 3RK1301-.....-0AB4,
3RK1301-.....-1AB4

■ Page 8/108



■ **SIIRIUS M200D PROFINET motor starter**
with PROFlenergy
■ Article No.: 3RK1395- +
3RK1335-0AS01-0AA0

■ Page 9/45



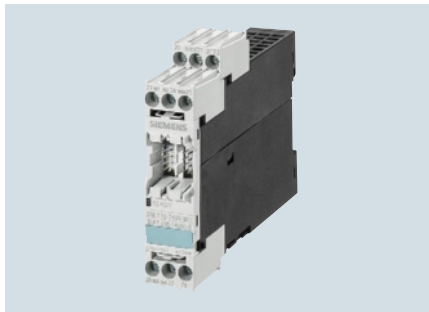
■ **Motor management system**
SIMOCODE pro S
■ Article No.: 3UF7020

■ Page 10/14



■ **Motor management system**
SIMOCODE pro V PROFINET
■ Article No.: 3UF7011

■ Page 10/14



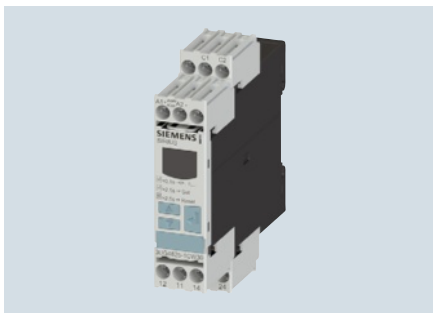
■ **Ground-fault module**
for SIMOCODE pro V
■ Article No.: 3UF7510

■ Page 10/16



■ **Multifunction module**
for SIMOCODE pro S
■ Article No.: 3UF7600

■ Page 10/17



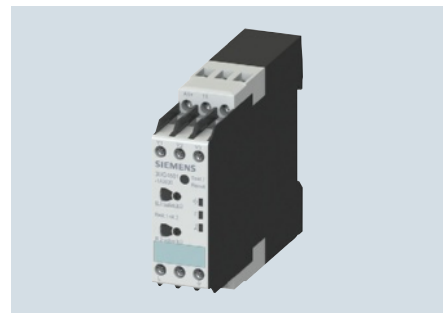
■ **SIIRIUS 3UG46 residual-current**
monitoring relay
■ Article No.: 3UG4625

■ Page 10/101



■ **Residual current transformer**
■ Article No.: 3UL23

■ Page 10/104



■ **SIIRIUS 3UG4 insulation monitor**
for ungrounded DC/AC networks
■ Article No.: 3UG4581, 3UG4582, 3UG4583

■ Page 10/105



■ **SIRIUS 3UG48 monitoring relay**
for stand-alone installation for IO-Link
■ Article No.: 3UG48

■ Page 10/123



■ **SIRIUS 3UG48 residual current monitoring device** for IO-Link
■ Article No.: 3UG4825

■ Page 10/140



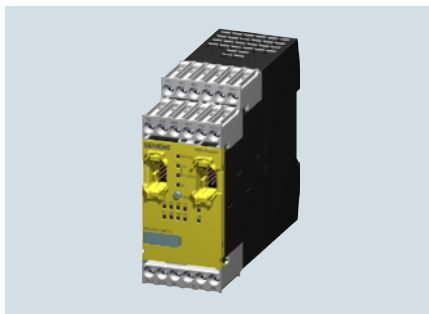
■ **SIRIUS 3RS14, 3RS15 temperature monitoring relay** for IO-Link
■ Article No.: 3RS1440/3RS1441, 3RS1540

■ Page 10/160



■ **SIRIUS 3SK1 safety relay**

■ Article No.: 3SK11, 3SK12
■ Page 11/10



■ **SIRIUS 3RK3 Modular Safety System**
ASIsafe basic and extended central units

■ Article No.: 3RK3121, 3RK3122
■ Page 11/39



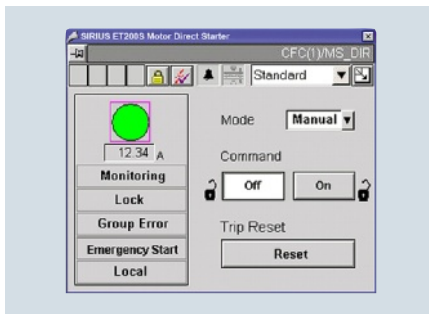
■ **SIRIUS 3SE5 position switch**
with rounded plunger, control cabinet type,
degree of protection IP40

■ Article No.: 3SE5232-0HC05-1AB.
■ Page 12/14



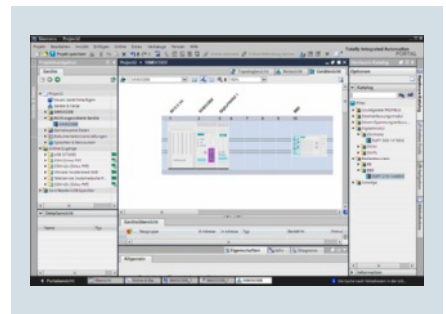
■ **Non-contact RFID safety switch**

■ Article No.: 3SE631
■ Page 12/101



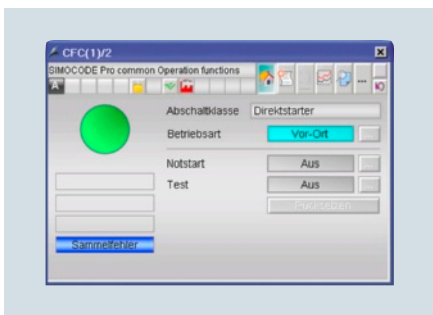
■ **Motor starter and soft starter block libraries**
for SIMATIC PCS 7

■ Article No.: 3ZS1630, 3ZS1633
■ Pages 14/9, 14/17



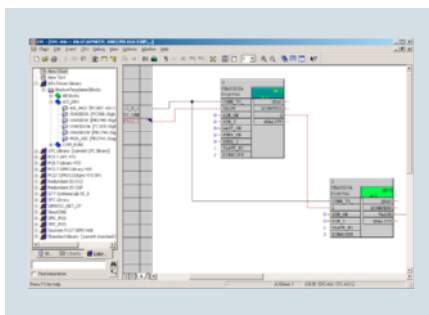
■ **SIMOCODE ES (TIA Portal)**

■ Article No.: 3ZS1322
■ Page 14/20



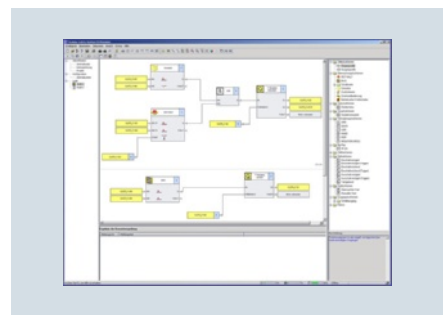
■ **SIMOCODE pro block library**
for SIMATIC PCS 7, V7 and V8
■ Article No.: 3UF7982, 3ZS1632

■ Page 14/28



■ **AS-Interface block library**
for SIMATIC PCS 7, V7
■ Article No.: 3ZS1635

■ Page 14/31



■ **Modular Safety System ES**
Premium Version
■ Article No.: 3ZS1314-6C

■ Page 14/35



■ **Power supplies**
SITOP compact

■ Article No.: 6EP1332-5BA20

■ Page 15/42



■ **Power supplies**
SITOP lite, SITOP smart and SITOP modular

■ Article No.: 6EP133-1LB00, 6EP133-2BA20, 6EP1536-3AA00

■ Pages 15/41, 15/44, 15/45



■ **Power supplies SIPLUS extreme** for use in severe ambient conditions

■ Article No.: 6AG1334-2BA20-4AA0, 6AG1337-3BA00-7AA0

■ Pages 15/44, 15/46



■ **PSE202U power supplies**
SITOP redundancy modules

■ Article No.: 6EP196-2BA00

■ Page 15/48



■ **PSE200U power supplies**
selectivity module with signaling interface

■ Article No.: 6EP1961-2BA31, 6EP1961-2BA41

■ Page 15/49



■ **SIPLUS HCS3200 heating control system – compact design** for heating control systems with integrated power outputs

■ Article No.: 6BK1932-0BA00-0AA0

■ Page 15/54



■ **SIPLUS HCS716l rack**
mounting frame without flange

■ Article No.: 6BK1700-2AA70-0AA0

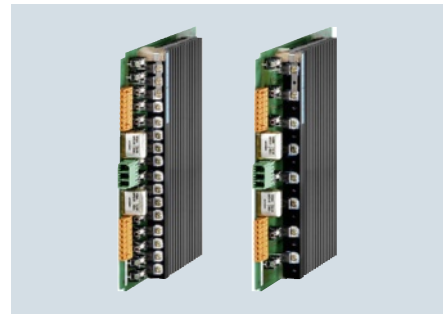
■ Page 15/64



■ **Rack mounting frame** narrow version with expansion frame for SIPLUS HCS716l

■ Article No.: 6BK1700-2AA80-0AA0, 6BK1700-3AA00-0AA0

■ Page 15/64



■ **SIPLUS HCS716l power output modules**
LA716l and LA716l HP

■ Article No.: 6BK1700-4BA80-0AA0, 6BK1700-4CA00-0AA0

■ Page 15/68



■ **SIDOOR automatic door controllers**
for elevators

■ Article No.: 6FB11

■ Page 15/95



■ **Condition Monitoring Systems**
SIPLUS CMS2000

■ Article No.: 6AT800.

■ Page 15/135



■ **SIPLUS ECC1000/ECC2000 charging controllers** for electric vehicle charging stations

■ Article No.: 5TT3200-KK.0, 6FE1021-3CM10-AA0

■ Pages 15/154, 15/158





Technical Assistance.

Our Technical Assistance for Industrial Controls will help you with all technical enquiries concerning our products and systems – both before and after delivery.

Our experts will provide you with specialist support over the phone in connection with:

- Product selection
- Conversion from old to new codes
- Conversion from non-Siemens codes
- Special versions
- Special requirement
- Commissioning
- Operation

As an option, you can also use our code conversion tool for old, new and competitor code conversion:

www.siemens.com/sirius/conversion-tool

To ensure that you always speak with the right person, our telephone assistance system comes in two steps. In the first step we note your questions and forward them to the right contact person.

In the second step your personal contact then phones you back.

This way you receive an expert answer quickly and easily.

Contact data

Technical Assistance

Tel.: +49 (911) 895 5900

Fax: +49 (911) 895 5907

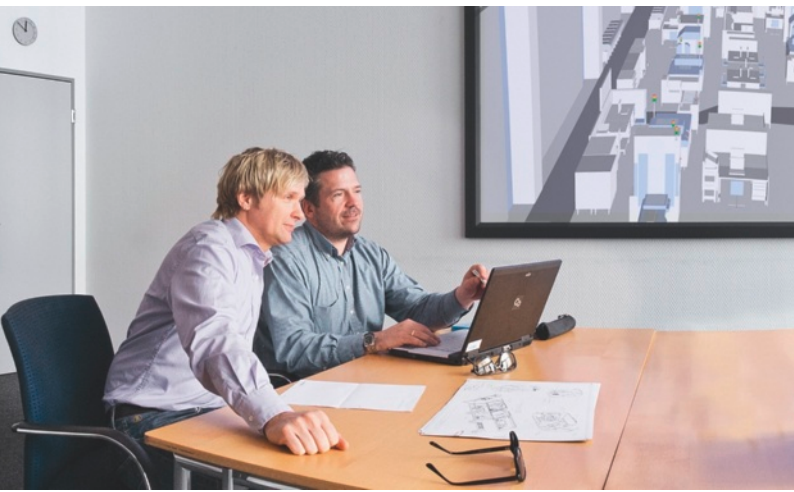
E-Mail:
technical-assistance@siemens.com

Technical Support on the Internet

www.siemens.com/sirius/support

Support Request on the Internet

www.siemens.com/automation/support-request





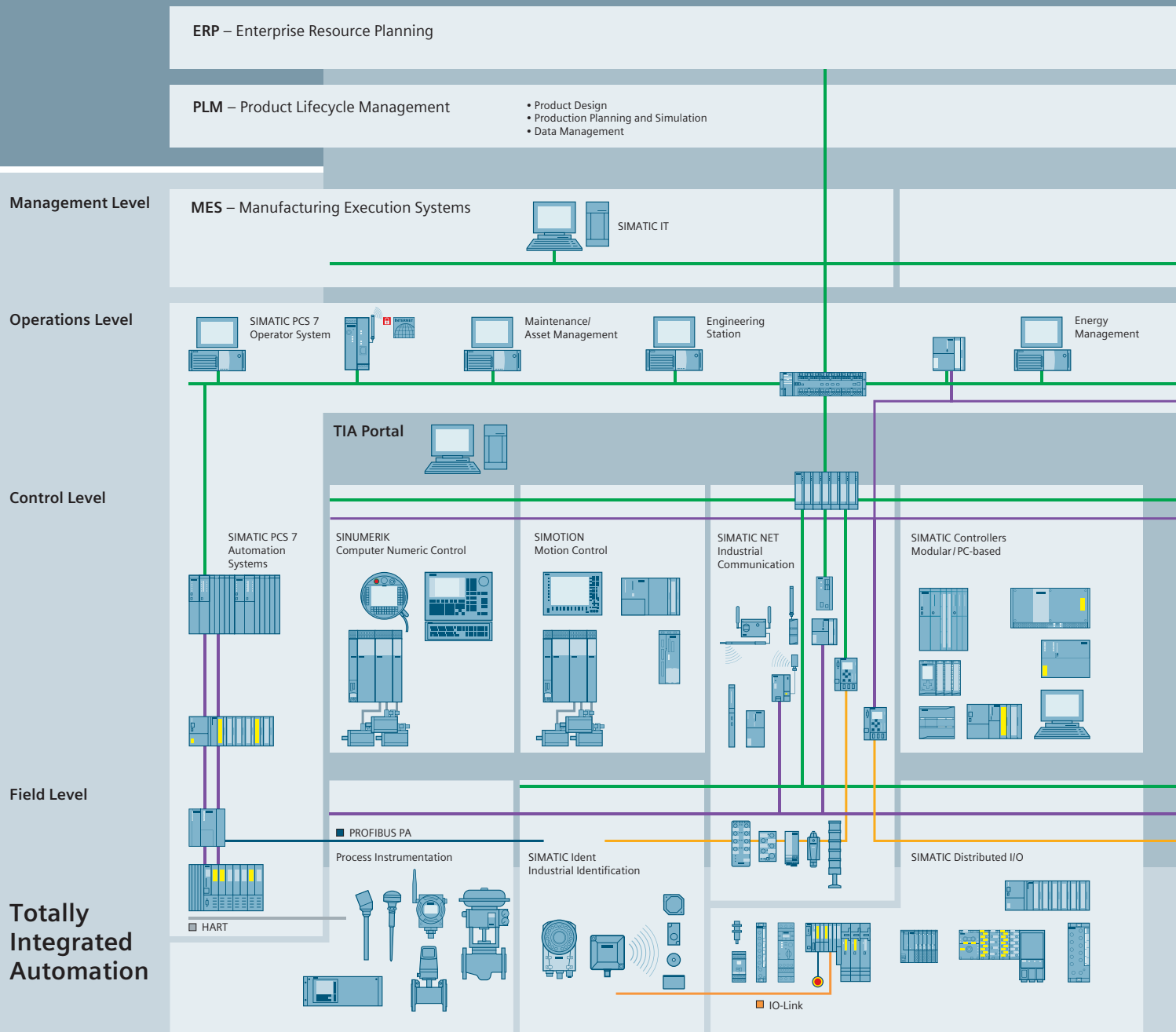
Answers for industry.

Integrated technologies, vertical market expertise and services for greater productivity, energy efficiency, and flexibility.

The Siemens Industry Sector is the world's leading supplier of innovative and environmentally friendly products and solutions for industrial companies. End-to-end automation technology and industrial software, solid market expertise, and technology-based services are the levers we use to increase our customers' productivity, efficiency and flexibility. With a global workforce of more than 100 000 employees, the Industry Sector comprises the Industry Automation, Drive Technologies, and Customer Services divisions, as well as the Metals Technologies Business Unit.

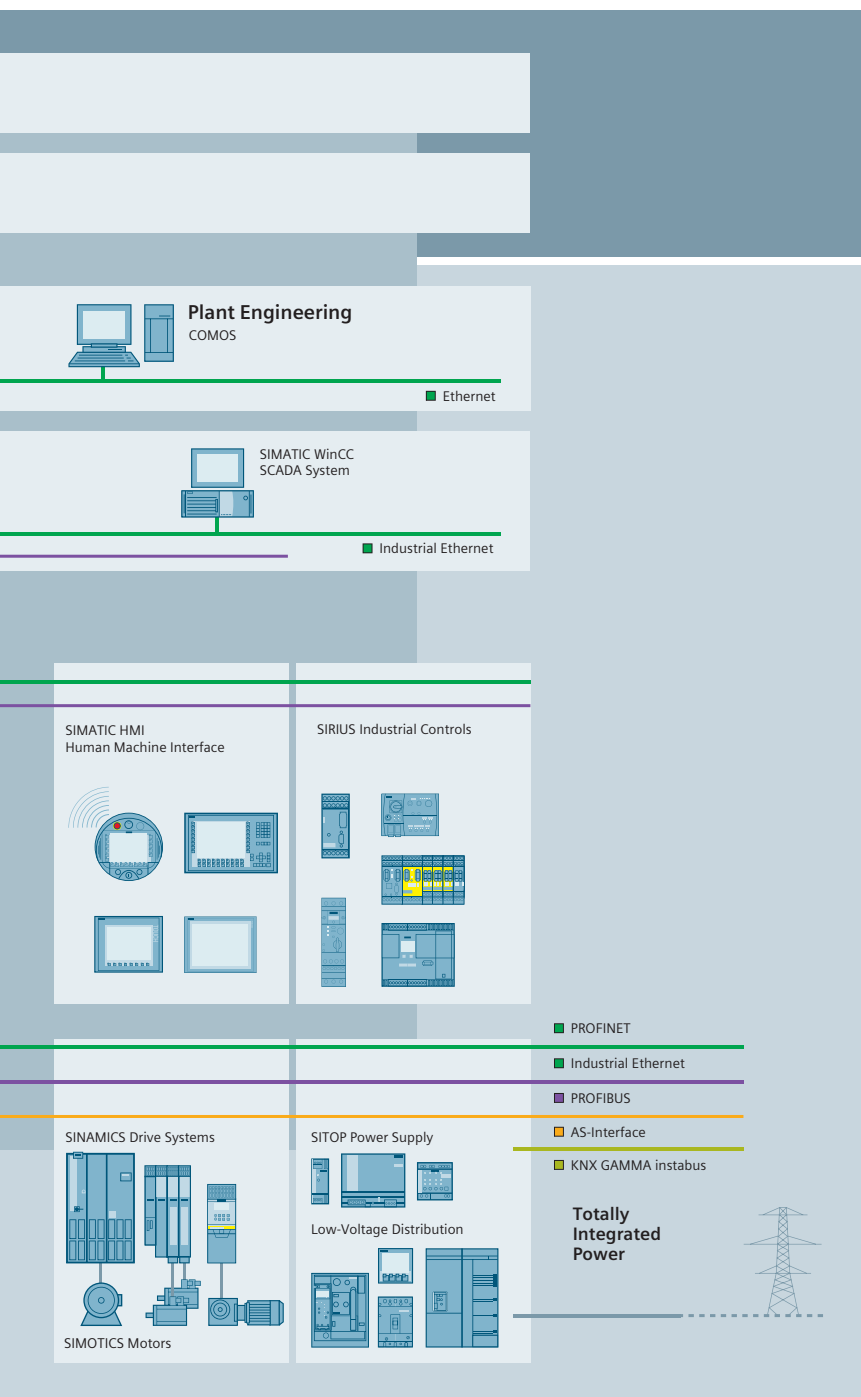
We consistently rely on integrated technologies and, thanks to our bundled portfolio, we can respond more quickly and flexibly to our customers' wishes. With our globally unmatched range of automation technology, industrial control and drive technology as well as industrial software, we equip companies with exactly what they need over their entire value chain – from product design and development to production, sales and service. Our industrial customers benefit from our comprehensive portfolio, which is tailored to their market and their needs.

Market launch times can be reduced by up to 50% due to the combination of powerful automation technology and intelligent industrial software from Siemens Industry. At the same time, the costs for energy or waste water for a manufacturing company can be reduced significantly. In this way, we increase our customers' competitive strength and make an important contribution to environmental protection with our energy-efficient products and solutions.



Setting standards in productivity and competitiveness.

Totally Integrated Automation.



TIA is characterized by its unique continuity.

It provides maximum transparency at all levels with reduced interfacing requirements – covering the field level, production control level, up to the corporate management level. With TIA you also profit throughout the complete life cycle of your plant – starting with the initial planning steps through operation up to modernization, where we offer a high measure of investment security resulting from continuity in the further development of our products and from reducing the number of interfaces to a minimum.

The unique continuity is already a defined characteristic at the development stage of our products and systems.

The result: maximum interoperability – covering the controller, HMI, drives, up to the process control system. This reduces the complexity of the automation solution in your plant. You will experience this, for example, in the engineering phase of the automation solution in the form of reduced time requirements and cost, or during operation using the continuous diagnostics facilities of Totally Integrated Automation for increasing the availability of your plant.

Thanks to Totally Integrated Automation, Siemens provides an integrated basis for the implementation of customized automation solutions – in all industries from inbound to outbound.



Equipment Manufacturing Plant Amberg

Awards include "Factory of the Year", "Bavarian Quality Award" and "The Best Factory/Industrial Excellence"

At Siemens Amberg, some 2 400 employees develop and manufacture industrial controls for the world market. Manufacturing includes the comprehensive SIRIUS product range used for switching and protecting loads, e.g. of motors, in particular in mechanical engineering.

In the industry competition "The Best Factory/Industrial Excellence Award 2011", the equipment manufacturing plant Amberg was honored as a national winner. The lead factory for industrial controls achieved the highest overall ranking and also excelled in all scoring categories such as business model, strategy, added value, product and process implementation, service and customer integration, along with continuous improvement.

The industry competition is staged under the auspices of the Federation of German Industries (BDI), several European business schools, including INSEAD in Paris, the Technical University of Eindhoven as well as the WHU-Otto Beisheim School of Management.

The key question of this industry competition, which has taken place in Germany since 1995, is: "What are the key factors of production excellence that will guarantee the company a long-term competitive advantage and will turn a factory into an outstanding differentiating factor?"

The ten-person jury, headed up by the deans of internationally-renowned management schools in Germany, France, Spain, and the Netherlands, not only scrutinized the operative unit itself but also the entire process chain, from the product idea, through development and manufacturing, right up to the final

customer, along with interfaces and partners, such as suppliers.

Over the past few years, winning awards has become a normal occurrence in the equipment manufacturing plant Amberg. In 2007, it won the "Factory of the Year" award in the segment of "Excellent complexity management". In 2010 an additional outside award followed: the coveted Bavarian Quality Award.

The Amberg Siemens plants have made it a tradition to be at the top of national and international rankings. These awards are proof of our high quality standards – not only with respect to our products, but also to our processes. They demonstrate that we have achieved optimal mastery over the productivity and competitiveness showcased by our products and systems.