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Award-winning Industrial Design from Siemens

RFID reader for long-range applications and flexible system integration

Screw and check card-type transponders for RFID applications

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OCR license for high-speed recognition of plain text

Did you know ... ?

clear & brief!
Siemens to showcase extensive portfolio for the beverage industry at the Brau 2012

Nuremberg, Germany. From November 13 -15, Siemens will be exhibiting its extensive portfolio for the brewery and beverage industry in Hall 7, booth 310 at the Brau Beviale 2012 under the banner “Connecting Productivity and Efficiency”. One of the focal points of this year’s Siemens offering at the biggest European trade fair for the beverage industry will be the Braumat process control system developed specifically to meet the needs of breweries. Also featured will be solutions for the manufacture of dairy products and juices based on the Simatic PCS 7 process control system.

At its booth in Hall 7, Siemens will be unveiling new functionality of its Braumat brewery process control system. The new features permit high-flexibility long-term archiving of production data in a central SQL (Structured Query Language) database. The tool integrated in the database permits the simple plant-specific evaluation of production data for quality assurance and material reconciliation purposes. Parallel link-up to the MES (Manufacturing Execution System) level, for example to Simatic IT from Siemens, is also possible with extreme ease using the new system.

Under the heading of industrial software, Siemens will be showcasing comprehensive possibilities for process optimization. Simatic IT, for instance, will be on show in the form of a fully extended Manufacturing Execution System including recipe management, and also as a Simatic IT-based system for efficiency monitoring and the detection of weak spots in beverage filling systems. Both these two exhibits testify to the outstanding potential offered by industrial information technology.

Visitors to the trade fair booth will have the chance to gain an overview of Siemens process instrumentation. Examples featured at the show will include the ultra-compact Coriolis flowmeter Sitrans FC430, which is capable of achieving a measurement accuracy of 0.1 of a percent. Also worthy of special mention is the radar level transmitter Sitrans LR560, which measures solids such as cereals and malt using 78 gigahertz technology for ultra-precise measurement results.

Water treatment is another key area of this year’s Siemens presentation at the Brau Beviale 2012. Exhibits will include the Vantage series, a new reverse osmosis system for process water treatment. Using energy-efficient components, flexible operating modes and improved water recovery rates, this system is distinguished by its low overall operating costs.

Addressing the overarching topic area of energy management, Siemens will be showcasing its “Energy and Environmental Services” portfolio, which includes support services for companies seeking to introduce ISO50001, as well as assistance in the identification and implementation of savings potential. Also featured will be a methodical approach to the introduction of energy data management systems (EDMS), as well as the energy efficiency products Simatic B. Data and WinCC/PCS 7 power-rate.
Siemens solutions for integrated water resources management at the IWRM Karlsruhe

Karlsruhe, Germany. On November 21 and 22 at the IWRM Congress in Karlsruhe, the Siemens Industry Automation Division will be presenting its portfolio for the planning, engineering and efficient operation of complex water management systems. Showcased at the Siemens booth will be a range of high-performance solutions for water and waste water treatment facilities as well as desalination plants. The Congress will be focusing on issues surrounding the protection and sustainable utilization of water as a resource.

The growing global requirement for drinking water has triggered a continuing rise in the number of large and complex water treatment plants. Alongside new water and waste water treatment facilities, in many parts of the world the planning and implementation of desalination plants is also on the rise. Visitors to the exhibition staged alongside the IWRM Congress will have a chance to visit the Siemens booth to find out more about the concept of integrated engineering. Integrated engineering offers operators an efficient solution encompassing not only the planning and engineering of new plants but also their subsequent automation. Plants of all different sizes and levels of complexity can be effectively planned and designed using the Comos engineering software. Using a newly established interface, prepared engineering data can be transmitted directly to the Simatic PCS 7 process control system, substantially simplifying and speeding up the process of plant commissioning. The Comos engineering software solution also permits the selection and configuration of field devices. The PIA Life Cycle Portal online configurator supports the simple selection and fault-free collation of device order numbers both quickly and accurately. When it comes to rapid engineering of field devices across the whole life cycle of a plant – whether at the detail engineering, plant expansion or maintenance stage – the new interface to the PIA Life Cycle Portal makes available the necessary technical data.

With five keynote speeches as well as 15 workshops encompassing over 60 presentations, the IWRM 2012 will offer participants the opportunity to find out everything they could wish to know about water resources management. Together with the trade exhibition staged at the same time, the Conference is a key international information and communication platform for the water industry. The German Federal Ministry of Education and Research will also be present at the event to report on its integrated water resources management-related activities. The IWRM 2012 will be rounded off by the presentation of the NEO Innovation Prize for outstanding work in research and innovation. With participants from more than 25 countries expected to attend this year’s event, the IWRM Karlsruhe 2012 creates the ideal link between science, practice and politics.

Siemens Sensors Environmental
www.siemens.com/environmental

Siemens Integrated Engineering
www.siemens.com/comos-pcs7
Chicago, Illinois/USA. Entitled “Collaboration in Real-World Solutions from Design to Delivery”, and with Siemens as a main sponsor, the Aberdeen Manufacturing Industry Summit is due to take place on December 5th and 6th in Chicago. Aimed at key players in manufacturing, the summit will be focusing on the management challenges facing both process and discrete manufacturing companies - from the initial specification to the final product. The summit will also bring together manufacturing industry thought leaders and practitioners from leading global manufacturing enterprises.

The Aberdeen Manufacturing Industry Summit will offer participants the opportunity to gather in-depth information about the comprehensive Siemens industry software portfolio. Siemens customers using Simatic IT, Teamcenter, Tecnomatix and NX technology will be presenting their solutions for success. They will also join a round-table discussion with manufacturing industry executives about the opportunities, challenges, strategies and tactics entailed in bringing about productivity improvements and achieving competitive advantages from product development through to production. This year up to 300 participants are expected to attend. The Aberdeen Summit has become an established international platform for the manufacturing industry.

Siemens Manufacturing Execution Systems
www.siemens.com/simaticit

Siemens PLM Software
Hindusthan National Glass & Industries Ltd. and Siemens agree construction of heat recovery plant

Düsseldorf, Germany. At the international trade fair glasstec 2012, Hindusthan National Glass & Industries Ltd. (HNG) and the Siemens Industry Automation Division signed a letter of intent on the construction of an industrial waste heat recovery plant in the HNG Global GmbH glass works in Gardelegen (Saxony Anhalt).

The existing production plant has been automated using the Simatic PCS 7 process control system. The planned new waste heat recovery plant will be additionally integrated into the existing PCS 7 system. The aim is to significantly improve the energy and plant efficiency of the container glass factory and to drive down the factory’s environmental impact and energy costs. Hindusthan National Glass & Industries Ltd. and Siemens are also planning the construction of additional waste heat recovery plants in India.

Hindusthan National Glass & Industries Ltd. (HNG) is the largest container glass packing solutions provider in India occupying nearly 55 % market share.

Siemens Glass & Solar
www.siemens.com/glass-solar-industry
Nuremberg, Germany. The effective maintenance of plant and machinery depend heavily on the quality and quantity of data acquisition and analysis. In version 03.05 of its monitoring software Siplus CMS X-Tools, the Siemens Industry Automation Division has provided a range of new maintenance functions.

For any modern manufacturing company, high plant availability is crucial. This makes it all the more important to ensure that efficient maintenance methods are in place. Siemens addresses this problem with its condition monitoring system Siplus CMS and monitoring software X-Tools for add-on integration into existing automation systems. They come with an extensive library of functions for analysis, diagnosis and condition monitoring. The upgraded version of Siplus CMS X-Tools V03.05 provides an array of new functions to simplify and improve scope for condition monitoring. The Fast Analysis function allows archived and real time data to now be evaluated even more quickly and simply. Using the extended report functions, users can now generate their own event-driven trend graphs. New vector diagrams permit improved evaluation, for example of network situations. Additional measurement cursors – now numbering up to 99 – also provide greater scope for measuring data and evaluation: The cursors are updated and automatically displayed on a speed-dependent basis. Damage-typical frequency markers allow users to quickly and easily identify progressive damage. Using a new process-controlled trigger marking system, archived measurement data can be simply located and assigned as required.

The central illustration shows a raw signal and a velocity signal (red line). The two illustrations on the right show two different damage analyses: at the top next to a main cursor five sideband cursors (orange lines) and below seven harmonic cursors (green line).
Siemens extends Industrial Ethernet portfolio with high-availability redundancy solution for ring topologies

Nuremberg, Germany. The Siemens Industry Automation Division is extending its portfolio of industrial network products to include high-availability system solutions for seamless, delay-free redundancy in Industrial Ethernet networks. The new Scalance X-200RNA (Redundant Network Access) network access points are designed for all applications and industries in which network connection with a high level of availability is required.

The Siemens Industry Automation Division offers two redundant solutions based on the Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy Protocol (HSR) in accordance with the IEC 62439-3 standard. Alongside a version for parallel PRP networks, a version for ring HSR network topologies is now also available.

The Scalance X-200RNA access points for PRP networks connect up to two network segments or data terminals with no PRP functionality without delay over two parallel networks. In ring network topologies, the HSR technique permits seamless data transmission to be achieved for high-availability systems, for example in process automation applications. Scalance X204RNA devices with HSR functionality can also be used for simple redundant transition from HSR to PRP network structures.

Siemens offers the new access points as Scalance X204RNA in a plastic enclosure with four electric RJ45 ports as well as Scalance X204RNA EEC (Enhanced Environmental Conditions) in a metal enclosure with two electric ports and two electric/optical combined ports for SFP (Small Form-Factor Pluggable) transceivers and wide-range power supplies. A variety of information for network diagnostics is available via SNMP (Simple Network Management Protocol).

With the Softnet-IE RNA software package, Siemens is also offering a solution capable of linking PCs at low cost into redundant parallel network topologies based on PRP without additional programming overheads. Using the Siemens software, a computer can establish the same seamless redundancy connection over two LAN networks as the Scalance X-200RNA network access points.

Typical areas of application for high-availability redundant connections can be found in the energy industry as well as in process automation, for example in the pharmaceutical or chemical industries.

Video HSR - High-availability Seamless Redundancy - Industrial Ethernet ring networks with seamless redundancy
http://youtu.be/ExyR9VLxQH8

Video PRP Parallel redundant industrial Ethernet networks with seamless redundancy
http://youtu.be/gOumxU7Jg_I

Siemens Redundant Network Access (RNA)
www.siemens.com/rna
Nuremberg, Germany. The Siemens Industry Automation Division has equipped its Scalance W modules for Industrial Ethernet networks with a range of new functions for certain types of outdoor application. The new Scalance W786-2 SFP (Small Form-Factor Pluggable) units now offer an additional integrated switch with two slots for pluggable SFP transceivers.

Wireless networks – Industrial WLAN – have become an established solution across a wide range of industrial applications. However, providing reliable network coverage over long distances, particularly outdoors and in environments more difficult to cover with IWLAN, has posed something of a challenge to date. Adequately solving this problem calls for a combined solution with fiber optic cabling. The Siemens Industry Automation Division has now come up with an addition to its line of outdoor access points which addresses this specific issue. The new Scalance W786-2 SFP comes equipped with an additional integrated switch featuring two slots for pluggable SFP transceivers. These can optionally be equipped with transceivers for single or multimode fibers to provide gigabyte Ethernet bandwidth. Several of the new Siemens access points can be used in a lined structure in this way there is no need for additional hardware. The new feature allows larger areas to be covered by IWLAN for outdoor applications, ensuring the reliable transmission of both process-critical data and non-critical communication over a single wireless network.

The Scalance W786-2 SFP access points are available in both a standalone and a controller-based version. Both come with two integrated wireless interfaces in compliance with Standard IEEE 802.11abgn, each with a gross transmission capacity of up to 450 Mbit/s. As a result, the new units are ideal for the creation of industrial wireless LAN (IWLAN) networks with a 2.4 GHz or 5 GHz transmission range suitable for providing coverage in even remote or inaccessible terrain, and in aggressive environments. The internal R-SMA connectors allow the connection of up to three antennae per wireless interface. Both variants come with an IP65 protection rating, cased in impact-proof plastic housings suitable for use at temperatures between -40°C and +60°C.

Although fitted with a direct 24V DC terminal, the units can also be operated at 110V AC or 230V AC with an optionally integrated PS791-2AC power supply adapter. Equipped with a C-PLUG interchangeable storage medium allows existing configurations to be stored, permitting fast exchange of devices in the event of a failure.

Siemens Industrial Wireless LAN
www.siemens.com/iwlan
Nuremberg, Germany. Can the appearance of a controller be described as a performance feature? Does the color of a power supply affect its market success? Is it possible to significantly change the shape of an electric motor? These are the types of questions that Industrial Designers come up against every day. At Siemens Industry, a dedicated Design Management Department takes care all day to ensure a target related use and brand specific Industrial Design of the company’s products. Because Industrial Design is about more than just looks: it stands for functionality, customer benefit and distinctiveness.

Siemens looks back on an almost 100 year-long tradition of Industrial Design. As long ago as 1920, the first “form consultants” worked with development engineers on the design of new Siemens products. Since then, the importance of product design has become ever more firmly rooted not only at Siemens but across the whole industrial world. Today, only a few products are developed without the input of design experts.

Design is of vital significance not only when it comes to create new cell phones or handbags, but also in the world of capital goods such as industrial PCs or electric motors. In the Siemens Industry Sector, a dedicated team headed up by Chief Designer Gunter Ott is continuing the long tradition of Industrial Design at Siemens. This department comprises a number of Design Managers committed to providing striking, functional and user-friendly products for industrial use.

In this case the work of the Product Designers is much more than just coming up with charming styles and pleasant color schemes. Gunter Ott summarizes the work of his team: “Designing our products is all about ensuring maximum ease of use, functionality, feasibility, economical manufacturing and brand distinctiveness”.

The specific challenge is the broad scope of the Siemens product portfolio. There is no other company which offers a product variety or number of different product combinations like Siemens designated with just one brand. The product catalogue of the Industry Automation Division alone numbers over 100,000 products. “When dealing with a diversified product portfolio like ours, the key issues are achieving recognizability, standardizing design elements, smooth modernization of existing designs and designing products in a way that they look fresh but are still perceived unmistakably as part of the Siemens brand”, explains Gunter Ott.

Alongside positive user feedback, the high quality of product design at Siemens has been approved by experts: As a recipient of over 80 iF product design awards— one of the world’s most prestigious design prizes – just for its capital goods, Siemens belongs to the most design-awarded industrial companies.

An extensive press feature on the topic of Industrial Design at Siemens provides a wealth of successful examples and background information on the work of the designers behind the products. All the material is available for editorial use.

Siemens Industrial Design
http://www.siemens.com/press/Industrial-Design
RFID reader for long-range applications and flexible system integration

Nuremberg, Germany. The Siemens Industry Automation Division is extending its RFID (Radio Frequency Identification) portfolio to include the new long-range reader Simatic RF290R. This robust HF reader will be suitable for long-range uses involving distances of up to 60 centimeters, particularly in production control and intralogistics applications.

The Simatic RF290R will be supplementing the high-performance end of the Simatic RF200 RFID system (13.56 MHz, ISO 15693). The new reader will be used with MDS Dxxx transponders of the Simatic RF product family in compliance with the ISO 15693 standard, and will support the bulk recognition of several hundred transponders. The compact but robust reader will come with a protection rating of IP 65 and a programmable HF output of between 0.5 and 5 Watts, making it particularly suited for long-range applications or large detection fields of the kind encountered in production control and intralogistics applications. External antennae (ANT D5, ANT D6 and ANT D10) may be connected to extend the operating range: up to 60 centimeters using just a single antenna, or up to one meter in gate solutions with an antenna splitter or RF260X multiplexer.

The reader can be fixed in place optionally using screws or mounted directly on the DIN rail. Operating, data transmission, tag presence and error statuses are signalled using four LED (light-emitting diodes).

The RF290R uses an RS232 interface for integration into, for instance, PC-based systems, or communication modules for Profinet, Ethernet TCP/IP to connect into the Simatic automation world. A digital I/O interface is provided for trigger and status signals. A Simatic function block (FB45) is available for convenient commissioning, parameterization and diagnosis, while the Simatic RF290Set parameterization software can be used when connecting via an RS232 interface.

Siemens RFID Systems
www.siemens.com/ident/rfid
Screw and check card-type transponders for RFID applications

Nuremberg, Germany. Two new RFID (Radio Frequency Identification) data carriers have been launched to extend the Siemens Industry Automation Division’s transponder spectrum: The MDS D127 and MDS D400 for HF (high-frequency) systems Simatic RF200, RF300 and Moby D.

The ultra-small screw-type transponder (M6 x 6 millimeters) MDS D127 with its 112 byte electrically erasable programmable read-only memory (EPROM) is designed to be screwed flush into metal for tool or tool carrier identification. It is simple to install using a specially provided screwdriver. The new transponder comes with a high protection rating of IP67/IPx9K to withstand temperatures of up to 100 degrees Celsius. The ISO 15693 transponder is suitable for use with the HF-RFID systems Simatic RF200 and Simatic RF300 (13.56 Megahertz).

The check card-format transponder MDS D400 (13.56 MHz, ISO 15693) comes with a 2000 byte ferroelectric random access memory (FRAM) and can be used at a read/write distance of up to 200 millimeters. Possible applications range from simple identification, for instance as an electronic barcode replacement or in addition to a barcode, through warehouse and distribution logistics applications to product identification. With a protection rating of IP67, this new mobile, passive and maintenance-free transponder is suitable for use with the Moby D, Simatic RF200 and Simatic RF300 (ISO mode) RFID systems, and can be operated in a temperature range from -25 to +60 degrees Celsius.

Siemens RFID Systems
www.siemens.com/ident/rfid
Gossau, Switzerland. The Migros Ostschweiz (GMOS) cooperative has modernized its meat product order picking plant in Gossau near St. Gallen, introducing an automated system using Siemens technology. The new fully automated plant now features an innovative picker system and two gantry robots which pick containers and group them into stacks at around 400 palletizing locations for delivery to the individual branches. This new system has replaced manual order picking. The transition from manual operation to the fully automated system was carried out during running operation, without interrupting the material flow or impairing the supply quality in any way.

The Siemens technology deployed in the new order picking plant is based on a combination of Simatic S7-300 CPU 317F-2 PN/DP programmable logic controllers, ET 200S distributed peripherals and Sinamics S120 drive system. Fail-safe peripherals are connected to the Simatic controller using the integrated Profibus-DP and Profinet interfaces (Profisafe). Safety functions such as collision guards, prevention of plant damage caused by defective or jammed containers and personal safety were all taken into consideration in designing the system. The new plant was designed and supplied by Siemens solution partner Wyss Logistik AG in Kestenholz in association with Kaiser Industrie-Automation AG in Oensingen.

The new plant comprises two cells, each of them fitted with two gantry robots. These pick the container stacks at around 400 palletizing stations for delivery to the different branches. In a third cell, goods arriving from external producers are depalletized and fed into the process. The special features of this system are the grippers, which permit flexible handling of the different container sizes.

Before a pack of air-cured meat reaches the consumer’s shopping trolley, the product has already passed through a complex series of logistical processes: Following production and packaging, the product generally follows a route from the manufacturer via the wholesaler and branch retail outlet to the consumer. Transportation usually takes place in standard containers, in other words plastic boxes with a standardized footprint and a variable height which is adjusted to accommodate the different pack sizes used for fresh and preserved meat products. At Migros Ostschweiz, the products originate both from Migros’s own meat processing plants and from external suppliers. In both cases, products such as chops, sausages and sliced salami are pre-picked and placed in containers in response to orders from the individual branches, and then delivered to the distribution center in Gossau. The task of the distribution center is to optimize the grouping of different containers onto pallets for delivery to the branches. One of the challenges faced here is responding to individual branch-specific requirements. The container labels always have to be visible on the outside of the pallet, for instance, while the bigger branches which order large quantities specify separate stacking of pallets containing fresh meat and cured meat products, as this simplifies the distribution process within the branch. From the transportation point of view, it is important for stacked pallets to be balanced despite differences in the height of the containers. Walter Betz, Head of Material Flow at Migros Ostschweiz, explains: “The stacks of containers can’t look like the Manhattan skyline, as excessive differences in height complicate the process of securing the cargo.”

Siemens Totally Integrated Automation
www.siemens.com/tia

Siemens Simatic
www.siemens.com/simatic
OCR license for high-speed recognition of plain text

Nuremberg, Germany. With its new OCR (Optical Character Recognition) license “Text-Genius Plus”, the Siemens Industry Automation Division is extending the current scope for product identification and tracing to include plain text recognition. In addition to the functions included in the existing “Text Genius” license, “Text Genius Plus” permits the teach-in of additional fonts and characters as well as difficult printed images.

Equipped with “Text Genius” and “Text Genius Plus” for the recognition of plain text, Simatic MV440 code readers are able to recognize not only 1D barcodes and 2D matrix codes but also plain text.

Alongside the functions of the proven OCR license “Text Genius”, “Text Genius Plus” also comes equipped with teach-in facility for additional fonts and special characters as well as different printed images. The self-explanatory teach-in of characters is simplified by using thumbnails and a convenient algorithm. Only characters with a poor recognition rate or significantly changing printed images require a teach-in process.

Both OCR licenses permit simultaneous reading and comparison of plain text and machine readable codes in a single field of view. They also support high-speed applications involving up to 1000 readings per minute. The licenses can be purchased as a single license on a USB stick and can be installed with a plug-in on the device via the Simatic Automation License Manager (ALM). They can be simply integrated in the automation environment using for instance the function modules of the Simatic MV440. “Text Genius” will run on a Simatic MV440 from firmware version 3.0 and “Text Genius Plus” from firmware version 5.0.

Applications for OCR include the pharmaceutical industry, where it is used for serialization and for monitoring sell-by dates on packaging, the automotive / electronics industry for reading information such as production numbers on circuit boards, the solar industry for serial numbers on thin film modules or the food and beverage industry for monitoring best-before dates on packaging.

Siemens Simatic Code reading systems www.siemens.com/codereader
Did you know … ?

… that the Swiss company Wepfer Technics GmbH based in Rutschwil near Winterthur relies on automation and drive technology from Siemens for its innovative triple-rotor wind power plant? Based on "Totally Integrated Automation", the invention masterminded by the company’s creative Director Hans Wepfer produces low-cost energy, is easy to maintain and blends gracefully into the surrounding countryside. Designed to supply up to 300 kilowatts, this invention aims to bridge the gap between the multi megawatt-producing giant turbines and small-scale plants in the low kilowatt range.

The various control, switching and drive units supplied by Siemens are coordinated and designed to fit together like parts of a modular system. The Engineering Framework TIA Portal, for instance, allows extremely fast implementation of automation on the control level. With its three rotors each measuring eight meters in diameter, a height of just under 18 meters and an external width of a good 25 meters, this new wind power plant design is radically different to other solutions.

Siemens Simatic Wind Automation
www.siemens.com/simatic-wind
Did you know … ?

… that Gritzke Lasertechnik OHG based in Lemgo in East Westphalia equips the positioning technology and machine controls of diggers and construction machinery using control technology and visualization devices from the Siemens Industry Automation Division? For construction machinery owners and operators, this allows far better machine capacity utilization, as well as major time savings and lower costs compared to the previously used internally developed electronic systems.

Gritzke Lasertechnik took the decision to exchange the circuit board solution it used previously for position determination, replacing it with Logo! logic modules. In addition, functions used to control construction machinery and diggers were routed to a Simatic S7-1200 PLC. The Simatic operator panels integrated in the drivers’ cabs simplify the task of accessing and processing individual functions such as target and actual material excavation values. Gritzke Lasertechnik OHG Lemgo specializes in the development, production and sale of devices for construction site surveying and control systems for diggers and construction machinery such as bulldozers and graders.

Siemens PLC Logo! Logic Module
www.siemens.com/logo

Siemens Simatic S7-1200
www.siemens.com/S7-1200

Did you know … ?

… that it pays to run an energy management system for power, gas, water, waste water and compressed air? The Industrie Park Duisburg site supplier InfraTec, which consumes between twelve and 14 gigawatt hours of electricity and 130 GWh of gas per annum, saves its customers substantial costs in providing energy and other operating media with the Siemens B.Data energy data management system from the Siemens Industry Automation Division. In this way, InfraTec helps to reduce the levy payable in accordance with the German law on renewable energies (EEG).

By applying the Simatic B.Data energy data management system, InfraTec aims to implement energy efficiency measures before the end of 2012 in an effort to cut the cost of the proportion of energy costs over which it has influence by six percent, amounting to total savings of about 740,000 Euros. Moreover, it anticipates substantial savings in terms of EEG levies by ensuring that the company meets the DIN EN ISO 50001 standard for energy management systems. This will bring the EEG levy from 3.592 cent per kilowatt hour down to 0.05 cent, equalling a saving potential of approximately 380,000 to 446,000 Euros per year.

Siemens B.Data Energy Management
www.siemens.com/bdata

Siemens Simatic PCS 7
www.siemens.com/simatic-pcs7
3G/UMTS router Scalance M875 obtains German Federal Motor Transport Authority approval for use in vehicles (e1/E1) and all relevant sections of approval EN50155 for railway applications.


Current press releases from the Siemens Industry Automation Division

Siemens presents its versatile weighing module for Simatic control S7-1200
http://www.siemens.com/press/industryautomation/pressreleases

Remote monitoring of water data
http://www.siemens.com/press/industryautomation/pressreleases

Siemens to acquire Kineo CAM an industry leader in computer-aided motion software
http://www.siemens.com/press/industryautomation/pressreleases
The Siemens Industry Sector (Erlangen, Germany) is the world’s leading supplier of innovative and environmentally friendly products and solutions for industrial customers. With end-to-end automation technology and industrial software, solid vertical-market expertise, and technology-based services, the Sector enhances its customers’ productivity, efficiency, and flexibility. With a global workforce of more than 100,000 employees, the Industry Sector comprises the Divisions Industry Automation, Drive Technologies and Customer Services as well as the Business Unit Metals Technologies. For more information, visit http://www.siemens.com/industry

The Siemens Industry Automation Division (Nuremberg, Germany) supports the entire value chain of its industrial customers – from product design to production and services – with an unmatched combination of automation technology, industrial control technology, and industrial software. With its software solutions, the Division can shorten the time-to-market of new products by up to 50 percent. Industry Automation comprises five Business Units: Industrial Automation Systems, Control Components and Systems Engineering, Sensors and Communications, Siemens PLM Software, and Water Technologies. For more information, visit www.siemens.com/industryautomation

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