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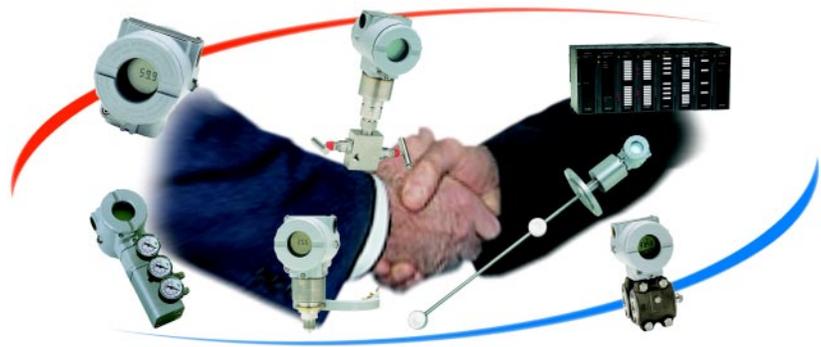
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## Smar Licenses Foundation Fieldbus Technology to Rockwell Automation

### Second Major Industrial Partnership in Field Process Control



Smar will license its FOUNDATION™ Fieldbus Technology to Rockwell Automation, a major global supplier of industrial automation, energy, control and information solutions. Rockwell will build Smar's technology into its Logix™ controller platforms, thus adding the FOUNDATION™ Fieldbus protocol versatility to its complete integrated automation architecture.

Rockwell Automation, headquartered in Milwaukee, Wisconsin, is the second largest producer of automated systems to unite its communications technology know-how with Smar. Endress+Hauser, Swiss control and instrumentation leader, announced a strategic partnership with Smar last November to develop high-tech solutions in fieldbus.

Rockwell's Logix™ control platforms will include Smar system implementation tools with predefined functional blocks for control strategy, new component automatic sensing, and non-polarized feeding equipment,

within an open communication protocol.

For Smar President Edmundo Gorini, the agreement with Rockwell Automation provides further evidence that the Smar technology is recognized as "Best-in-Class" throughout the global controls and instrumentation industry. "Smar is pleased to have its highly accepted FOUNDATION™ Fieldbus technology strongly integrated with Rockwell's process control architecture", said Gorini. "This combination of advanced technologies represents a new achievement in the performance of industrial process automation. Smar's fieldbus technology will make it possible for end users to benefit even more from the Rockwell platform use, in that it provides a more efficient distribution of field control strategies, interoperability between fieldbus devices and protocols, and improvement of equipment management", ended Gorini.

As a pioneer in the development of



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digital field communications, Smar has gained the reputation as "First in Fieldbus". The company was responsible for the installation of the first H1 fieldbus system in 1994. In 2001, it patented the first Linking Device with High Speed Ethernet (HSE), thus expanding the connectivity of an integrated and open FOUNDATION™ Fieldbus architecture.

Today, Smar offers the most advanced hardware and software technologies based in bus protocols, in addition to the most diverse fieldbus devices in the market with FOUNDATION™ Fieldbus, HART and Profibus protocols. In addition, complete solutions for automation systems are supplied to the industry, such as the powerful SYSTEM302, engineering, integration and turnkey plant commissioning.

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## Smar Automates Water Treatment in Ceará, Brazil

**C**AGECE - Ceará Water and Sewage Company in northeast Brazil, has utilized Smar's technology in the automation of its macro water distribution network. Automation was implemented in CECOP - the state company's Operational Control Center and in many sections of the state capital city, Fortaleza.

The CECOP system - Brazil's first and one of the most modern in the world - is the result of a \$1 million investment. The computers are linked to sensors installed in all the reservoirs, distributor and elevatory stations and pressure valves of the system.

To automate the system, Smar used telemetry, telecommand and telemonitoring technology, in a complete, turnkey project, in addition to installing field devices, valves with electromechanical actuators, control panels, PLCs, towers, antennas, and AIMAX supervisory system.

The system centralizes the information generated by the city's water supply centers in a single computer via 29 remote units. The CAGECE technicians are then able to manage the macro distribution system continuously with precise data.

At the CECOP's central computer, the technicians can also identify any deviations in the distribution system. Alarm signals are communicated via computer and contact is made with the maintenance station where the incident registered. The command that switches the equipment on and off is activated automatically by computers.

With these resources invested in modernization, CAGECE experiences the lowest loss rates in city water distribution in Brazil. Thanks to Smar's technology, CAGECE guarantees a continual and consistently treated water supply to the public.





## Fieldbus Foundation's Annual Meeting

The Fieldbus Foundation hosted the 2002 General Assembly at The Queen's Hotel in Heidelberg, Germany February 28 - March 1, 2002. Attendees included end users, leading companies and various representatives who shared their respective endorsements concerning FOUNDATION™ Fieldbus. The advances and subsequent advantages of the technology continue to grow at an astounding rate.



Klaus Endress, President of Endress+Hauser, delivered the opening speech. Mr. Endress provided a supplier's perspective on the status of Foundation technology and discussed the value of information integration via fieldbus for end users in the process control and manufacturing markets. Mr. Endress also cited the importance of the system's endorsement by NAMUR (the European organization of chemical and

pharmaceutical industry users).

The theme for 2002, "The Freedom to Choose, the Power to Integrate", focuses on the benefits of interoperability and recognizes Fieldbus Foundation as a truly open technology. According to Fieldbus Foundation President and CEO Richard J. Timoney, the marketing theme's message is clear: the foundation has delivered on its plans and promises by providing "best-in-class" fieldbus technology which enables device and subsystem interoperability, and information integration across the plant enterprise.



During the event, seminars and workshops about FOUNDATION™ Fieldbus were provided to the public and several clients made presentations about their experience in utilizing the technology. For more information on the annual meeting or to review the presentations, visit the FOUNDATION™ Fieldbus website at [www.fieldbus.org](http://www.fieldbus.org).

## Smar Enhances Technical Information on New Web Page

To improve its communication with clients, Smar is providing a new information channel via the website.

This new page facilitates response to inquiries, provides software demo versions, technical sales presentations, product catalogs, product manuals and much, much more. You will also find the latest company highlights, product news, upcoming events and training courses.

For Smar's training program schedule, go to: <http://www.smar.com/training.asp> or send e-mail to [training@smar.com](mailto:training@smar.com) requesting the 2002-2003 Training Catalog. This comprehensive catalog provides detailed information on the training courses offered for both Conventional and

FOUNDATION™ Fieldbus products, including specifics on topics of training and skills learned.

Like more information? Visit us at [www.smar.com](http://www.smar.com)!



## New LD301 - Providing Enhanced Performance and Flexibility!

The LD301 was introduced in 1991 as one of the most sophisticated pressure transmitters in the market. Since that time, Smar has continually updated the product and assured its leadership in the market. Now, the trend continues with the release of our latest generation circuit card and display!

A single circuit card now includes a display controller, math co-processor, and HART Modem. This advanced design now provides customers with:

- **Response time of 100ms** - one of the fastest on the market. Compressor surge control and other demanding applications can now realize all the advantages Smar LD301 provide.

- **Improved calculation response** - existing features including square-root extraction, totalization, and PID calculation now respond faster than ever.

- **Improved current output** - featuring a resolution of 0.75  $\mu$ A. Output to indicators, PLCs, and other control system I/O, provides LD301 users unparalleled precision and improved results.

- **Compliance with NAMUR standards** - guarantees safe operation in failing conditions.

And finally, one of the most beneficial features now standard with the LD301 - **A Non Volatile flow totalizer**. Using the LD301 for flow measurement applications has never been more beneficial. Should power go down - no problem, the LD301 will save the last totalized value, and continue on once power is restored.

The new LD301 is entirely compatible with Smar's existing configuration tools, including the recently released HPC301 Configuration Software for the Palm platform.



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