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## Smar Signs Contract for Technology Transfer to China

Smar has signed an industrial automation technology transfer contract with the Chinese company Beijing Huakong Technology Co. Ltd. The contract is for integration of Smar's pressure sensors with the Beijing Huakong pressure transmitters. "This is the beginning of a series of partnerships, which can result in a Foundation Fieldbus supply politic for the Chinese market", says Cao Zhengping, Vice President of Beijing Huakong Technology.

Beijing Huakong is affiliated to the Beijing Huayan Group. The Group has an annual income of US\$600 million, and is present in many industrial segments in the Chinese market such as industrial automation, general contracting and hospital equipment.

According to Carlos Roberto Liboni, Director of Smar International Division, the deal with the Chinese company is approximately US\$4 million. "We are totally open to exploring new business opportunities with Huakong. In addition, this association also opens new opportunities for Smar in China", he observes.

The chinese government subsidizes local industries and assists them with foreign company business development. The government is currently investing in the development of domestic products with Foundation Fieldbus technology.

Smar was the first company to develop and apply Fieldbus technology and is currently integrating its technology expertise internationally with several recognized companies such as Rockwell Automation, Metso and Endress + Hauser. These companies have recently licensed Foundation Fieldbus Technology from Smar.



Smar and Beijing Huakong Group

## Shell Installs Smar SYSTEM302

Smar has taken a significant step forward in the Oil and Gas sector with the recent SYSTEM302 supply to Shell, the world's largest petroleum company. The system was purchased via e-Production Solutions, a U.K. engineering firm responsible for the Shell project in Nigeria.

E-Production will incorporate the SYSTEM302 at the Bonny Terminal platform, which is undergoing a major technological upgrade. The platform will substitute the 4-20 mA instrumentation for Foundation



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Fieldbus technology. In addition to the system supply, Smar will be responsible for project configuration and training.

According to Claudio Borges, Smar International Division Sales Manager, the SYSTEM302 supply to Shell is a great accomplishment. "Shell is a key client and the addition of Smar to Shell vendor list represents a great opportunity for new business," says Borges.

The Shell Group, with 135,000 employees, has operations in more than 100 countries, resulting in annual billing over US\$100 billion. Shell's Nigerian operation accounts for production of 950 thousand oil barrels daily, which makes Nigeria one of the world's largest petroleum producers.

The installation of SYSTEM302 at Shell further acknowledges Smar as an expert in Foundation Fieldbus and represents global recognition of the company as a leader in that technology.



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## COPASA Output Capacity Increased with Smar Technology

**C**OPASA, Minas Gerais Sanitation Company, received some benefits as increased water supply capacity, better utilization of inputs in water treatment and the decrease in loss of treated water. It was the result of Smar contribution to the automation and modernization of COPASA Rio das Velhas water treatment station.

Due to Smar technology, the system filtering operation is now being monitored according to the water collected from the Das Velhas River, which allowed great operational gain generating benefits to approximately 2 million people in Belo Horizonte city.

As stated by Marcos Mesquita, Smar Turn - Key manager, COPASA filtering system operates now with more repeatability, no leaking and increased filters washing speed as a result of automation.

"The average time to wash a filter took about 25 minutes. With Smar system we've reached 14 minutes on each filter. This means a lot of water and time saving", says Mesquita.

The system is working since October 2001, and applies Smar electrical actuators for the valves operation, LC700 - Smar Programmable Logic Controller - on the command, and Aimax supervisory software, in addition to other integrated equipment.



COPASA

## Find Desired Product Information on Smar Website

You can search for desired products on Smar website ([www.smar.com](http://www.smar.com)) by model, technology or function. First select "model" to go directly to the product page. Choosing "technology" it will show Smar products listed by technology. The icon "function" will show the Smar products related to their functional capabilities.

The Product Page has more detailed information related to your selection. You will find the product photo, its description and, on the left, links for Product Documentation (manuals and catalogs), Technical Support and Certificates information can also be found. In the Technical Support link, you will, again, find manuals, catalogs and more documentation associated to the product selected, including firmware and software versions.

The Certificates section will list every certificate associated to the various products.

For comments about the page send e-mail to [webmaster@smar.com.br](mailto:webmaster@smar.com.br)



## Merluza Platform to be Updated with Foundation Fieldbus Technology

Smar has just won a Petrobras' Public bid to update the automation system on Petrobras Merluza platform. This upgrade will make the system compatible to the new ANP (Brazilian Petroleum National Agency) rules.

The contract, signed between both companies on the 30th of July, will be followed by an investment of US\$ 1.8 million by Petrobrás. This project is a "turn-key" system and will be delivered by Smar in 7 months.

Located on the Merluza region, coast of Santa Catarina, and administrated by Petrobras -Southern Business Unit - the Merluza platform is responsible for the production of condensated natural gas petroleum.

Its automation will be based on Foundation Fieldbus, using the new Smar FC302 - Flow Computer for Gas and Oil Measurement.



Merluza Platform

