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First Fieldbus System in Egypt

Smar was selected from several companies to supply the first Fieldbus system ever to Egypt. The new project belongs to SUCO - The Suez Oil Company, a joint venture formed by EGPC, DIMENEX and REPSOL.

The Suez Oil Company is the largest petroleum refinery in Egypt, with the capacity to process 146,300 oil barrels daily. The control system will be installed in the salt water injection plant to be used on the refrigeration of one of the refinery's cracking towers.

The system will consist of an operation and engineering station equipped with a SYSCON and PROCESS VIEW softwares, respectively, for process configuration and supervision. This station will be connected to the field devices through a HSE High Speed Ethernet with the FOUNDATION Fieldbus protocol connected to a Smar DFI302 Universal Bridge.

Three lines for sea water injection will be controlled and supervised by the system. It will monitor the water inlet flow and its consumption for the cracking tower, while controlling the flow valves opening.

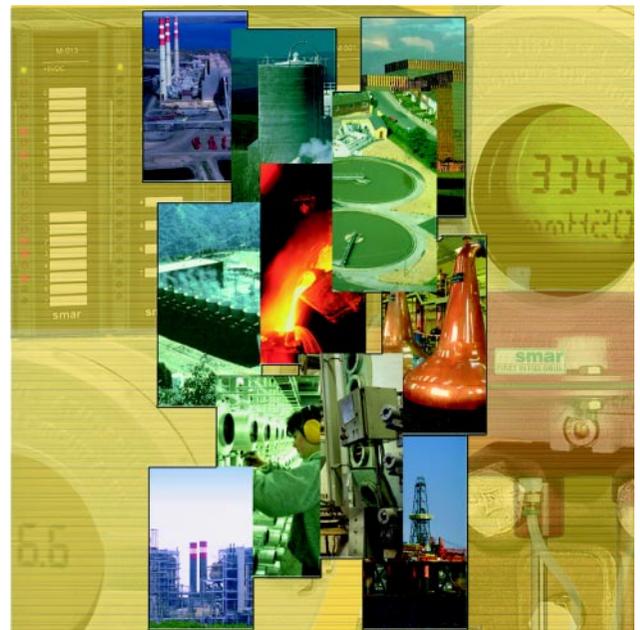
The process uses the SYSCON Fieldbus Configuration Software, the PROCESS VIEW HMI software, the Fieldbus DFI302 Universal Bridge,

and the highly sophisticated LD302 Differential Pressure Transmitters and the FY302 Valve Positioners.

SUCO - The Suez Oil Company started testing the SYSTEM302 on March 2000, following a seminar on FOUNDATION Fieldbus lectured to a group of 22 system, device and maintenance egyptian engineers by Roberto Pinheiro, Smar Business Development Manager.

Says Pinheiro, "Again the SYSTEM302 has proved to be much superior to the other system evaluated by the customer. Once more Smar will be the first in

Fieldbus: the first Fieldbus in the land of the Pharaohs". SYSTEM302 will start operating in Egypt in the first half of 2002. From then on, Smar will schedule a series of events to promote the Fieldbus technology in northern Africa.



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EDITORIAL
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Exploring the Future



Mr. Jonas Berge the general manager of Smar Singapore has written a comprehensive 500-page book about Fieldbus Technology for the Instrument Society of America. I asked him for a signed copy.

I was pleased to receive it with a very nice dedicatory. He wrote:

"It's a pleasure exploring the future with you".

I then began to reflect over the past years and realized how right he is. We at Smar are always exploring the future. Today we are designing products that will be dominant in the market over the next years. This strategy has proved right as our organic growth shows. While most of the companies in the instrumentation business are stable or growing through mergers and acquisitions, Smar is growing the healthy old fashioned way, through revenues and profits, based on growing sales.

Exploring the future can bring high prizes if you are right. Losses can be immense if you are wrong. It's not an easy task. For one single good reason: The future is not for us to see.

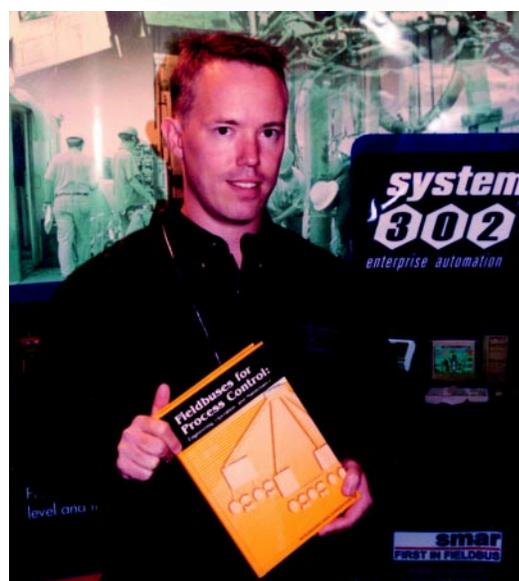
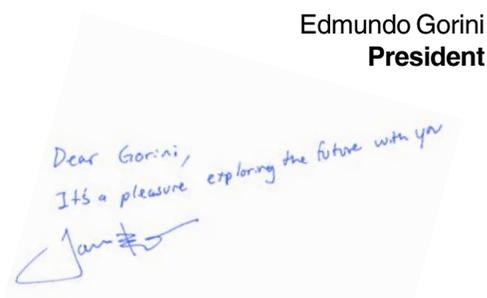
A lot of research, guessing, intuition and even good luck is required. Fortunately we have managed to have all of that together over the years.

10 years ago we envisioned that Fieldbus would be the future of process control and started designing Fieldbus products and solutions. Today we see that more and more customers are already buying Fieldbus and this technology will shortly be the preferred choice for customers all around the world Smar technology in this area is clearly recognized as the best in the world.

2001 was a very good year for Smar .In spite of all of the big disturbances, crisis and recession in the world, sales went up 34% and profits went up 69%. Because of Fieldbus and the successful installation of several SYSTEM302s integrated solutions in the market, Smar becomes more and more the reference for open control system solutions, based on Fieldbus. The momentum is still very high and we expect very good results for the next years.

More and more we are expanding our R&D activities to better explore the future bringing into the market the products that will control the world in the coming years.

Edmundo Gorini
President



Redundancy on 2nd Issue of Evaluating a Foundation Fieldbus System

The Q&A guide to evaluate a Foundation Fieldbus system recently published by Smar gets a second issue. It covers redundancy, a controversial subject in conventional controlling systems. Although Foundation Fieldbus has changed the method for installing a control system, redundancy is still an important topic for various critical applications.

The guide has answers about redundancy in all system levels: operation stations, Foundation Fieldbus HSE network, linking devices, interfaces, controllers and cables.

Ask for a free sample at sales@smar.com



LD200 Still in Full Operation



LD200

The LD200, the first pressure transmitter to be produced by Smar is currently in operation in many companies in Brazil, since 1986. Among customers is Petrobras, the Brazilian state oil company, a customer for 50 of these devices for its operation unit at Carnopolis, in the northeast state of Sergipe. The transmitters were installed in 1988 and are working in perfect condition, with zero maintenance rate, according to Petrobras technicians.

Smar Creates a Sugar & Alcohol International Division

For 24 years Smar has offered solutions for the automation of more than 300 facilities in the sugar/alcohol market. To make those solutions available to 65 other sugar cane byproducts producing countries, Smar has just created the Sugar and Alcohol International Division.

The area director will be Engineer Eduar do M. Munhoz, an old-time company collaborator and an expert in the field. He will develop marketing strategies and actions to bring the Smar advanced technology outside Brazil.

In addition to aiming at sugar mills and alcohol distilleries in Latin American and the Caribbean, Eng. Munhoz will also focus on two large world markets: India and Europe's sugar-producing countries: the former, with 512 sugar mill and the latter, one that produces sugar from beet root as its raw material.

"The industrial processes for making sugar from sugar cane or beet root are similar ones", states Munhoz. Also, Mauro Sponchiado, Smar vice president and founding partner, states that the company is investing on a large project to recover sugar mills in Mexico. "It's a big business and we're about to form a consortium of Brazilian companies that operate in the industrial and agriculture areas to meet the Mexican demand", said Sponchiado.



Munhoz and Mauro

CD600 Controller in New Version

A market favorite, Smar's CD600 multi-loop controller now has a new version. It is lighter, smaller, modern, cost effective but still featuring highly reliable performance and operation. The electronics uses now the more reliable and energy-saving SMT - Surface Mounting Technology, thereby reducing the power consumption.

Using Windows and Palm programming tools, the new CD600 follows man/machine interface trends and the most modern tools for configuration and diagnostic purposes.

The new configurator brings flexibility to a platform accepted worldwide. The user can easily update the device, since the memory cartridge has been eliminated.

The new CD600 can simultaneously control up to 4 independent control loops with up to 8 PID blocks and more than 120 advanced function blocks. The CD600 presents several new pre-programmed configurations, including cascade control, ratio control, Feedforward, split range and many more.



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