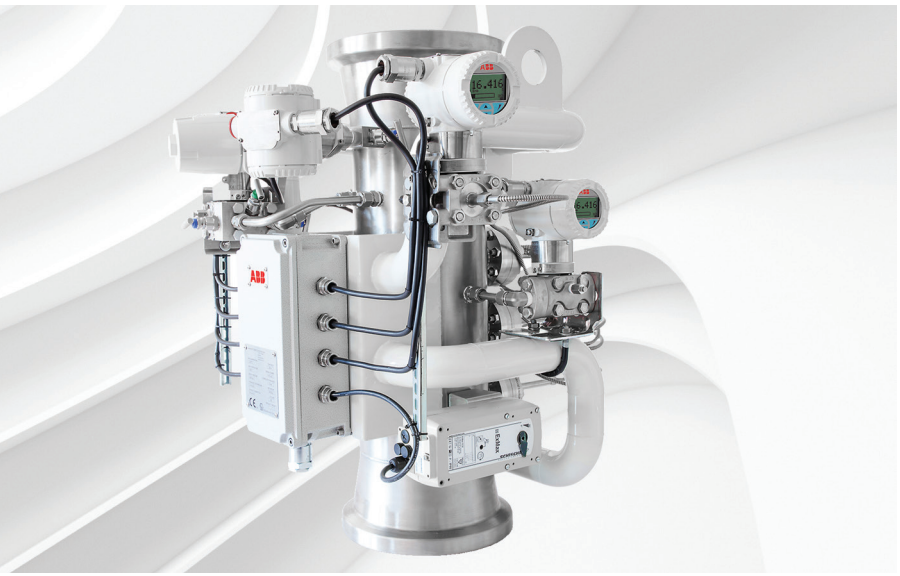
ABB MEASUREMENT & ANALYTICS | ARTICLE

Offering new solutions for oil and gas measurement

For a local market that is eager for technological innovation



The energy and automation technologies firm ABB has launched a new radioactive-free multiphase flow meter that is capable of measuring the real-time flow rates of produced oil, gas and water in the most challenging conditions

Measurement made easy

Offering new solutions for oil and gas measurement

Introduction

Currently, the market is demanding physical measurements of gas supply, both for the producers of the resource and for the customers or consumers.

This is the view of **Horacio Terpín, Head of ABB's Measurement and Analytical Products Unit in Argentina**. "Gas measurements, of both the flow and the calories (or BTU), are the parameters that are essential to meeting this growing demand," explains the specialist, who highlights that ABB offers several models of flow computers and compact chromatographs (equipment suitable for natural gas, liquefied natural gas and liquefied petroleum gas), as well as wireless upstream solutions.

He says that a clear example of the constant innovation by the company is this year's launch of the new radioactive-free multiphase flow meter, which measures the real-time flow rates of produced oil, gas and water under the most difficult conditions. "We believe that this is a high-value product for a local market that is eager to apply new technologies" he adds.

He says that the range of products and solutions provided by ABB is very extensive in all industrial fields. "That makes us strong. Furthermore, our instrumentation and analytical products communicate with process safety and control systems, they can be used in adverse environments (outdoors or electrically classified areas), they are characterized by their low level of maintenance and they have after-sales support services in the country" he explains.

...Introduction

He adds that the line of instrumentation products covers all the required measurement needs with different technologies for pressure, temperature, level, flow rate and accessories for final control elements.

“Our line of analytical products also uses different technologies (chromatography, IR, UV, FID and TC) to measure all of the parameters of liquid solutions (both water and process liquids) and gaseous solutions, not forgetting various special parameters such as ambient air quality in shale gas processes (in parts per billion)” he says.

A typical Totalflow installation for measuring gas flow rate with correction using chromatography.

For more information

Further details of ABB Measurement & Analytics products are available for free download from:
www.abb.com/measurement

or by scanning this code:

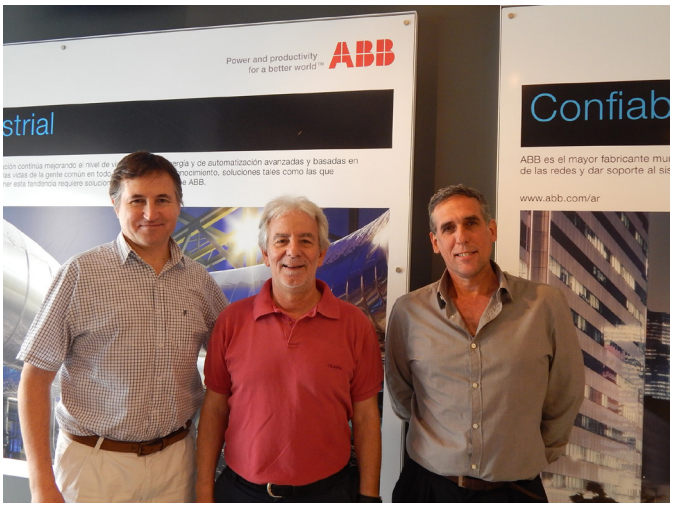
Dynamic market

According to Terpín, it is impossible to analyse the current local situation without looking at the whole process. “ABB has been operating in the domestic market for 92 years and has always worked with its oil and gas customers,” he emphasises.

The medium-term outlook, he notes, is very encouraging. “We want to continue working with our customers to strengthen the sector’s growth from a technological point of view. We are seeing a lot of activity in the exploration and production of unconventional wells, but also in the conventional segment and in refining,” he comments.

According to Terpín, ABB’s corporate objectives have always been medium-term to long-term, focusing on the needs of all industrial segments and on the generation, transmission and distribution of electricity. “The Oil & Gas industry has been and still is, one of the major markets for us. It is not a coincidence that we have developed a wide range of products, applications and services that aim to meet the needs of the customers in the industry, by investing heavily in technological development and the incorporation of new technologies,” he says.

In the specific case of the Measurement and Analytical Products Unit that he runs, the introduction to the market of several highly valuable innovations stands out. “In short, ABB is developing solutions to meet requirements of the global energy demand, with the ongoing challenge of promoting technological improvements that offer efficient energy and ensure the protection of the environment”, he concludes.



Horacio Terpin, Measurement and Analytics Manager, ABB Argentina; Franco Gallelli, ABB Analytics Manager, Argentina; Mario Silberstein, ABB Measurement Instruments Manager, Argentina

Global leader

The origins of the company date back to 1883, with the creation of Elektriska Aktiebolaget (ASEA) in Stockholm (Sweden) and to 1891, with the founding of BBC in Baden (Switzerland). In 1988 the two brands came together to form ABB, the world's largest electrical engineering company.

A global leader in the field of engineering, ABB is primarily involved in providing solutions to promote the effective use of electrical energy and increase industrial productivity in a sustainable manner, among other things. Some ABB technologies that changed the world are linked to flexible alternating current transmission systems, marine propulsion, extended automation, substations, industrial robots, High Voltage Direct Current (HVDC) and variable-speed drives, among other pioneering developments.

ABB Group companies are currently operating in over 100 countries and employ more than 150,000 people. In Argentina, the organisation has two industrial plants (one in the town of Valentín Alsina near Buenos Aires and the other in Tucumán), where more than 1000 employees work.

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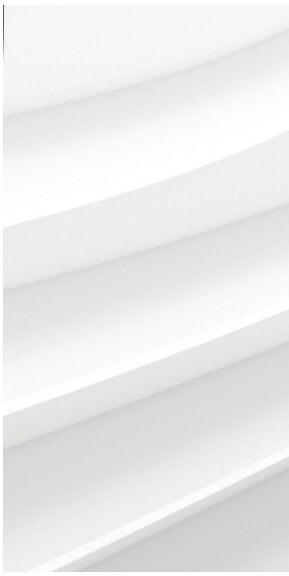

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