

## Eliminating the high cost of meter calibration verification

FLUID COMPONENTS INTERNATIONAL (FCI) has launched the VeriCal in-situ calibration verification system for the ST100 Flare Gas Flow Meter which allows offshore oil/gas process engineers and operators to eliminate the task of flow meter calibrations. Traditional flow meter calibration is a time-consuming and costly process requiring shutting down the line, pulling the meter, installing a spare and paying a lab fee to help meet air quality management regulations.

FCI's calibration verification system reduces flow meter operating costs in flare gas applications

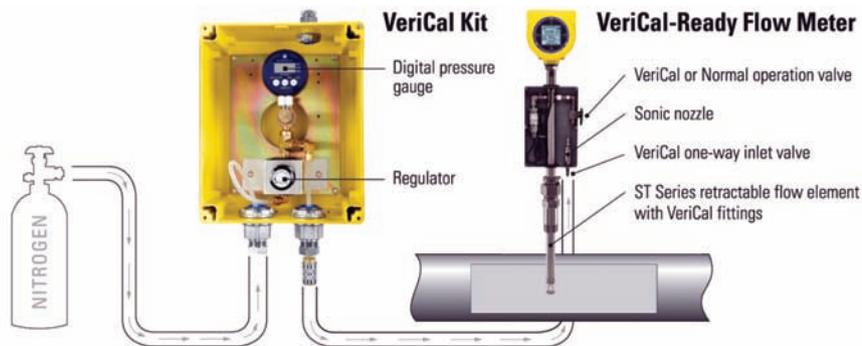
aboard offshore platforms, at land-based oil/gas facilities and in petrochemical plants.

The VeriCal In-Situ Calibration System verifies the ST100 Flow Meter's flare gas calibration is accurate in minutes without removing the meter from the pipe or process to meet MMS regulations. In the past, oil/gas companies had to endure the cost and hassle of periodically pulling their flow meters from the process, then returning them to the manufacturer or a calibration lab for testing and finally paying to ship them back for re-installation.

Setting a new industry benchmark in process and plant air/gas flow measurement, the ST100 Series Air/Gas Flow Meter offers the most feature-rich and function-rich electronics available. The ST100 meter's performance delivers unsurpassed adaptability and value to meet plant gas flow measurement applications.

With a unique graphical, multivariable, backlit LCD display/readout, the ST100 meter brings new meaning to the term "process information." It provides the industry's most comprehensive information with continuous display of all process measurements and alarm status, and the ability to interrogate for service diagnostics.

The easy-to-use ST100 meter stores up to five unique calibration groups to accommodate broad flow ranges, differing mixtures of the same gas and multiple gases, and obtains up to 1000:1 turndown. Also standard is an on-board data logger with an easily accessible, removable micro-SD memory card capable of storing 40 million readings. With two multi-variable core model families, oil/gas engineers can choose from the ST and STP families. ST meters measure both mass flow and temperature, and the exclusive STP family adds a third parameter, pressure, making the ST100 the world's first triple-variable thermal flow meter.



*The VeriCal In-Situ Calibration Verification System is ideal for flare gas monitoring on offshore platforms and other hard to access production sites. (Photo: FCI)*

## Producing and distributing piping materials worldwide

RACCORTUBI GROUP MANUFACTURES, stocks and supplies pipes, tubes, fittings and flanges in stainless steel, duplex, superduplex, 6Mo, nickel alloys and titanium from strategic locations around the world. The company supplies piping packages for critical applications, such as chemical and petrochemical plants, oil refineries, power plants, shipyards, fertiliser plants and offshore platforms.

Raccortubi Group can offer a complete range of butt weld fittings from ½" up to 56", almost without wall thickness limitations, thanks to the extensive manufacturing expertise of the two integrated plants Techninox and Petrol Raccord. In addition, fittings are produced to international standards or tailor-made from customers' drawings, according to the diameter and wall thickness required, starting from seamless and welded pipes, from sheets/plates or from forgings.

Within Raccortubi Group, pipes from stock are used as raw material in the manufacturing of butt weld fitting, with stocks then constantly replenished by the Group's integrated mills, giving them a consistent supply of fittings from which to fulfil customer orders immediately. The combination of stockholding and manufacturing activities allows for quick, cost-effective, comprehensive solutions for the most demanding fields of application, as well as guaranteed quality of the final product.

Quality checks are implemented throughout the entire production process in order to achieve the highest standards, and fully-certified products in accordance with the most stringent market requirements are available off the shelf. Integrated software guarantees the real-time availability of quality certifications for any placed order, allowing customers to review all the required documentation online, even before the goods are delivered.

Raccortubi Group is able to guarantee rapid fulfilment of customer orders around the world, thanks to its stockholding subsidiaries in Brazil, UAE, Scotland and Singapore, along with its branch office in London. By drawing on local expertise and knowledge, the Group can



*The welding department at Petrol Raccord*

satisfy key customers of each relevant region. All the warehouses are stocked according to the specific needs of the local market.

Raccortubi Middle East, the Group's subsidiary based in Dubai (Jebel Ali Free Zone), was established as a local stockist of piping materials in standard and special grades, with the aim of serving clients in the area in a faster, more efficient way. It fulfills complete project package requests as well as ex-stock necessities for maintenance and urgent requirements, being also able to personalise orders according to customer requirements.

Raccortubi can therefore offer its clients added value by combining its expertise as a producer and its flexibility as a stockholder, together with its worldwide presence and the pursuit of the highest quality standards in all phases of the supply chain.