

Magazine
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Shale Gas

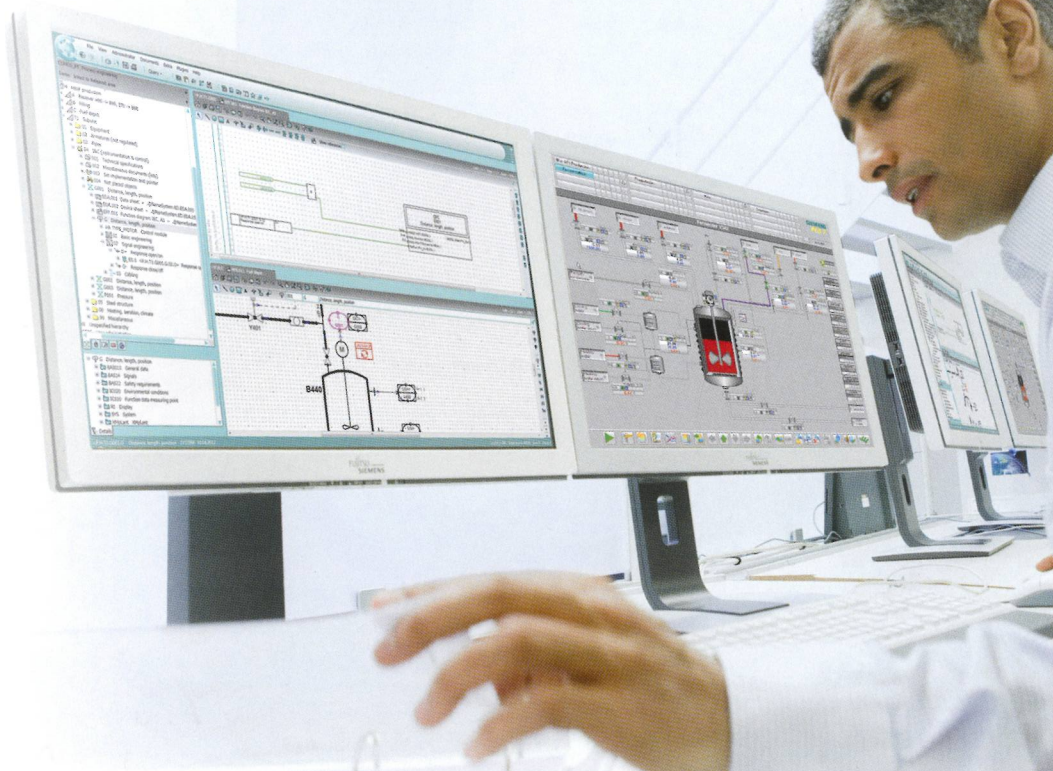
Talking about a Revolution

Automation Systems

Steeled against Virus Attacks

Pharmaceutical Technology

How to Manage the Patent Cliff?



Plant Management

Integrated Engineering on the Rise



Dr. Thomas Tauchnitz

Head of Engineering of the Technology Process Group, Sanofi-Aventis Germany: "All in all, the additional advantages of integrated engineering are much more decisive than the 20% engineering expense that I save in the software area."

Pumps

Versatility for Non-Corrosive Media



Blackmer launches its new NPH4F Sliding Vane Pump. The NPH4F is a positive-displacement sliding vane pump specifically designed to offer maximum versatility in fluid processing and transfer applications for a wide range of clean, non-corrosive fluids, the company explained. The internal sleeve bearing pumps come standard with shaft packing and feature 180° ports, a distinction from the 90° ports of its NP4F predecessor. Like its predecessor NP4F, the NPH4F features a ductile iron construc-

tion with an internal relief valve that protects against excessive pressures. This ensures performance and reliability even under the most severe service conditions, Blackmers says. Additional features include an optional cartridge mechanical seal, lip seal or triple-lip cartridge seal over the standard shaft packing; 4-inch weld, 4-inch ANSI 150 RF compatible or 4-inch NPT flanges. Options for jacketed heads are also available.

For further information:
process-worldwide.com 3837056

Online Particle Counter

Online Fluid Condition Monitoring

To fulfill the increasing demand for online fluid condition monitoring, Pamas developed the new online particle counter OLS50P. All types of light extinction sensors of the Pamas HCB-LD series can be integrated in the newly developed device. If required, the sensor can be built of resistant material so that it can be used for the analysis of all types of liquids and critical fluids, from water down to strong acid. The particle counter is equipped with a wear resistant ceramic piston pump. The pump provides

a constant flow rate of 25 ml/min at a pressure range from 0 to 6 bar. With its eight different size channels, the device counts particles in eight size classes. The instrument measures the particle sizes > 4 µm(c), > 6 µm(c), > 10 µm(c), > 14 µm(c), > 21 µm(c), > 25 µm(c), > 38 µm(c) and > 70 µm(c). For data transfer, the user has the choice between digital and analogue interfaces. A RS485 data interface is part of the instrument's standard equipment for digital data transfer. The optional analogue 4-20 mA

channel transmits data to a PLC. This interface function makes the OLS50P an effective instrument for condition monitoring. To report and analyse measuring results, Pamas provides two different software tools. With the aid of the software tools, measuring results are reported according to common cleanliness standards. Furthermore, the measuring parameter can be set up individually and adapted to the specific application profile.

For further information:
process-worldwide.com 3844830

Alarm Management

Tailor-Made Alarm Management for Process Monitoring



With the new Combiseries, Baumer has developed tailor-made alarm management. They easy-to-handle measuring instruments with flexibly programmable displays provide for new practical options in process monitoring. With the Combipress pressure gauge and Combitemp temperature gauge, Baumer has introduced the first two products of this series which can optionally be configured with a Combiview display.

For further information:
process-worldwide.com 3845042

● **SOLENOID VALVES** – Asco Numatics introduces two intrinsically safe solenoid valves with Ex ia IIC T6 certification. The solenoid operators are designed for use on the 327 range of direct operated solenoid valves and are available in epoxy coated aluminium or stainless steel. The solenoids are certified to Atex, Category 1G/2D and Equipment Protection Level (EPL) Ga/Db.

For further information:
process-worldwide.com 3844857

● **PIPING ISOMETRICS** – Intergraph has released Cloudworx for Smartplant Isometrics 2012 R1, a valuable add-on to its Smartplant Isometrics solution that allows users to quickly create accurate, as-built piping isometrics directly from a laser scan point cloud. Cloudworx for Smartplant Isometrics 2012 R1 leverages Leica Geosystems' industry-leading Cyclone software technology.

For further information:
process-worldwide.com 3844893

● **BULK BAG UNLOADING** – National Bulk Equipment bulk bag unloader systems, designed and built specifically for food and pharmaceutical processing and packaging operations, help ensure compliance with domestic and international sanitary standards. Application-specific construction enables CIP sanitizing. Tool-less component dis-assembly simplifies inspection.

For further information:
process-worldwide.com 3855153

● **SCREW CONVEYOR** – New from Flexicon is a sanitary tilt-down flexible screw conveyor on a castor-mounted frame that can be manoeuvred through narrow aisles and around corners. With the hopper, support boom and conveyor assembly tilted down, the unit fits through standard doorways and orients the conveyor tube horizontally, allowing the screw to be removed easily.

For further information:
process-worldwide.com 3762406