

XYLEM

Flygt Concertor™

Are you prepared to meet the future challenges of the wastewater industry? Like never before, aging infrastructure, global urbanization, increasing energy costs, and the need for sustainable solutions are making cost reduction an urgent priority for all. Just imagine that by 2050, an estimated 70 percent of all the world's population will be living in cities—an urban wastewater challenge on a scale we've never seen before. The solution to all these challenges is not more components and complexity but intelligent, flexible, and leaner solutions.

One Powerful Solution. Unlimited Possibilities.

Xylem introduces Flygt Concertor, the world's first wastewater pumping system with integrated intelligence that offers a unique synergy between software functions and state-of-the-art hardware. Concertor's system design works in harmony to reduce your total cost of ownership while delivering the highest quality and reliability. This new wastewater pumping system senses the operating conditions of its environment and adapts its performance in real time to provide feedback to station operators. With high operational flexibility, Concertor takes wastewater pumping to a whole new level.

Fully Integrated System

Concertor combines a fully integrated control system with IE4 motor efficiency, the state-of-the-art N-hydraulic and intelligent functionalities—all based on sixty years of Flygt wastewater pumping experience.

A New Way of Thinking

By integrating a control system that can automatically adapt to the changing wastewater environment, you get the optimal level of performance, while significantly reducing your total cost of ownership. The built-in intelligence makes it quicker and easier to set-up and operate functions that would otherwise require a very sophisticated monitoring and control system. We have achieved all this with a significantly smaller footprint.

**For more information, visit
www.xylem.com.**



**Visit us at
POWER-GEN
BOOTH #
4450**

*Showstopper***PRUFTECHNIK
ROTALIGN Touch**

With ROTALIGN® touch, alignment trend is fully integrated into your asset management and condition-based maintenance programs. ROTALIGN touch achieves optimal machine performance and product quality. Its features include Softfoot diagnosis, thermal growth trending, and vibration spot check to measure overall values, vertical machine alignment, and cardan shaft alignment.

Its tablet-like touchscreen with 3D display enables a fully intuitive and visual work sequence. Additionally, the device includes a 5 Megapixel camera, RFID system, and a Cloud-based alignment structure. The RFID reader allows unique identification of each machine and facilitates retrieval of its last alignment file stored on the ROTALIGN touch computer. The built-in camera lets users customize reports with photos. The onboard WiFi and Bluetooth feature enables devices to send measurement results back from any location directly via the Cloud.



Visit us at
TPS 2017
BOOTH #
2042

*Showstopper***SKF USA INC.
TKSA 71 Shaft Alignment Tool**

The new SKF TKSA 71 shaft alignment tool is uniquely designed in a compact and durable package to deliver precise measurements for a range of alignment tasks in harsh industrial environments. This versatile tool functions quickly and intuitively using six dedicated software apps tailored for different alignment jobs. The tool ultimately achieves superior alignment performance in demanding conditions by providing high measurement accuracy and excellent protection against dust and water. All six apps feature comprehensive automatic reports, export and sharing options, instructional videos within the app, built-in tolerance guidelines, 3-D live view, disturbance compensation, and fully functional demonstration mode. For more information, visit www.skfusa.com.

Visit us at
TPS 2017
BOOTH #
1419



AESSEAL CAPI

The AESSEAL® CAPI range is primarily utilized to suit the requirements of the oil, gas and petrochemical industries. The CAPI Type A, B and C seal range offers the user an unprecedented range of API engineered sealing solutions to suit all application requirements. The category 1, 2, and 3 seals are qualification tested to API 682. Modular design allows the users to select the right solution for their application, with the modular design ensuring simplicity of purchase and fast delivery.

CASE STUDY: INCREASED RELIABILITY SAVES OVER 1,500,000 ZAR

With an unreliable pump seal, major South African refinery turned to AESSEAL® for assistance.

A potash pump fitted with a competitor's component seal on API Plan 32 using condensate as a flush, had a mean time between failure (MTBF) of just seven months. It was costing more than one million Rand per year to repair the seal (excluding the cost of condensate lost to the process). Upon investigation by AESSEAL® it was discovered that due to the throttle bush clearance, there was insufficient seal chamber pressure. This was causing the seal to run dry, damaging the o-rings and therefore leading to leakage.

AESSEAL® replaced the component seal with a CAPI A TXS cartridge seal in December 2014. The new seal has been in operation for more than 29 months without failure. Cost savings in the first twelve months of operation were 509,000 Rand; to date (May 2017) more than 1.5 million Rand has been saved. As a result of this success, two additional pumps have also been upgraded.

“The new seals are very user friendly and we already see a cleaner downstream product due to elimination of condensate contamination from the external flush. We have also seen a dramatic drop in the condensate usage.”

**—Mechanical
Rotating
Equipment
Section Leader**



**Visit us at
TPS 2017
BOOTH #
1413**

**For more information, visit
www.aesseal.com.**

Showstopper**R+W COUPLING TECHNOLOGY
API 610 Disc Pack Couplings**

The LPAI series from R+W Coupling Technology transmits torque purely by face friction on the disc packs, helping to prevent problems associated with stress concentration, backlash, and chatter, since there is no shear load placed on shoulder bolts during operation. API 610 describes all metal flexible element spacer couplings which with minimum balance requirements, safety features, and other specifications designed for maximum reliability, making this improvement to the design a significant technical advantage.

New ATEX certified versions are also available, as well as a variety of materials, hub designs, shaft fits, and more. Contact R+W with your standard or custom requirements for centrifugal pump couplings and get the ultimate industrial drive coupling connection.



Visit us at
TPS 2017
BOOTH #
1134

Showstopper**HOSE MASTER
Corrugated Metal Hoses and Expansion Joints**

Hose Master engineers and manufactures high quality corrugated metal hose and expansion joint solutions for utility and power generation industries. Wherever high temperatures, extreme pressures, and vibration are encountered, Hose Master products are trusted for the most critical applications including hoses and expansion joints for steam piping, HRSG penetration seals, turbine crossovers, exhaust bellows, and pollution control systems.

Certification include the following: ISO 9001, 90+ ASME IX certified welders; expansion joint designs conform to EJMA and ASME B31.1 and/or B31.3; audited and certified to ASME Section VIII, Div. 1 and approved to provide ASME U and PP Designators as well as the National Board R Stamp; ABS product type approval and PED, CRN, and DNV Certifications.



Visit us at
POWER-GEN
BOOTH #
7631