



# Industry UPDATE

## Managing Aging Plants Japan 2016

Managing Aging Plants deals with the critical topic that many of the industrial plants currently in operation in Japan are reaching, or have surpassed, the life expectancy specified when they were designed and built. This event gives participants a better understanding of the challenges and problems which they face in ensuring safe and sustainable operations in their plants for the future. All presentations will be simultaneously translated from English to Japanese and Japanese to English. The Managing Aging Plants Conference & Expo Japan is scheduled from 31 May



2016 - 1 June 2016, and will take place in the International Conference Hall (Kokusai Kaigijo), Waseda University in Tokyo. For information: Mrs. Kiyo Ichikawa, Phone: +31-575-789-260, Fax: +31-575-511-099, Email: k.ichikawa@kci-world.com or visit the websites: www.plantenmei.com (Japanese), www.managingagingplants.com (English)

## Stainless Steel World 2015 shines brighter than ever!



From 17 to 19 November last year, sister brand Stainless Steel World once again organised a dazzling Conference & Exhibition at the MECC centre in Maastricht, the Netherlands. With a

record number of exhibitors, conference delegates and visitors, it was surely a sign that the corrosion resistant alloy industry is moving out of the doldrums and gearing up for a comeback. The entire

Stainless Steel World team was on-site for the week to make sure the event ran smoothly, to meet with the community and to facilitate networking and business opportunities for its worldwide communities. According to Stainless Steel World's Editor-in-Chief, Mrs. Joanne McIntyre, SSW 2015 was exceptionally busy. She commented: "we were delighted to welcome a record 288 exhibitors to the exhibition, which was sold out weeks in advance. Of course the success of an exhibition is largely dependent on the visitors who attend, and this year the feedback has been overwhelmingly positive.

The highly specialised event attracts only visitors specifically involved in the specification, manufacture, sale or use of stainless steels, and a glance at the busy stands confirmed that once more exhibitors enjoyed high attendance by this target audience." Things were also very busy in the conference rooms, by all accounts. Mrs. McIntyre noted that over 270 delegates attended, which suggests that optimism is the order of the day for the stainless steel industry as a whole. To read more about this important event in the materials calendar, please visit: [www.valve-world.net/pdf/ssw2015.pdf](http://www.valve-world.net/pdf/ssw2015.pdf)

## Chinese pipelines select Rotork electro-hydraulic valve actuators



known as ROSOV (Remote Operated Shut-off Valves), are designed to isolate sections of the pipelines in the event of a potential emergency. By providing swift and accurate valve movement in one direction and very reliable mechanical spring return movement in the failsafe direction, Rotork's self-contained electro-hydraulic actuator design is successfully utilised for this type of critical application in many countries.

Rotork Skilmatic electro-hydraulic valve actuators have been ordered for increased safety ESD (Emergency Shutdown) duties on two new oil pipelines in China. Owned by the China National Petroleum Corporation, the Mahui and Yunnan Pipelines are attached to the network bringing oil and gas to China from offshore fields in the Bay of Bengal. The Skilmatic actuators will be installed in automated and unattended valve chambers at pump stations, where they will provide isolating and failsafe ESD functions. These valves,

The Skilmatic actuator combines reliable failsafe performance with the benefits of Rotork IQ intelligent electric actuation technologies, facilitating remote supervision with a high level of asset management encompassing accurate control, monitoring and alarm signalling, operational data logging and diagnostics. The ESD function can be configured to operate on loss of mains power or control signal, with additional options including a second, independent ESD circuit and an ESD manual reset also available.

## Helena Marjaranta appointed VP at Metso



Helena Marjaranta has been appointed as Vice President, Global Communications at Metso as of December 1, 2015. She will be based in Helsinki. Helena's responsibility area covers external and internal communications and reports to Urs Pennanen, Senior Vice President, Customer and Marketing Operations. Helena Marjaranta joins Metso from the Finnish Transport Agency,

where she has worked as Director of Communications and Sustainability since 2013. Before the FTA, she was Senior Vice President, Communications and Corporate Responsibility in Vaisala Oyj, being based both in Finland and the USA. Before joining Vaisala, she worked as Head of Communications for the Radio Access business in Nokia Siemens Networks and as a Senior Communications Manager in Nokia. "Effective communications and storytelling are vital part of our strategy execution. I am very happy to welcome Helena to Metso. Based on her long and extensive experience in various global technology environments and demanding communications situations, I trust that we will get strong drive and energy into this part of our operations," says Urs Pennanen.

## Guichon looking for representatives



For over 90 years, Guichon Valves, an independent European company, has focused on design, manufacturing, assembling and testing of high performance and custom-made valves, for petrochemical, chemical, fine chemical, pharmaceutical, and nuclear industries, with demanding requirements and 100% western origin. Today, it ranks amongst the top suppliers of valves worldwide. Additionally, the company provides a full after sales service, technical studies, consulting/audit and training services. Guichon is ISO 9001, ISO 14001, OHSAS

18001, and ISO 26000 certified. To open new markets in North Europe, the company wants to create a strong partnership with agents in Finland, Sweden and Norway. The new representative must have experience in selling special equipment, dedicated to petrochemical, chemical and polymer industry such as pumps, agitators, filters, vessels, piping etc. Knowledge of the valve sector is recommended but not mandatory; the company is looking for generalist process specialists able to sell custom made equipment and able to detect the customer's implicit needs.

## New line of smart products and services

Flowrox is bringing the new industrial revolution to various industries the company currently serves. Flowrox Smart products and services will be dedicated to increasing productivity with Optimization and Online Predictivity through automation and connectivity to help its clients to garner the full potential of Flowrox products as well as those from other manufacturers.

Flowrox Smart Series products will be equipped with intelligent solutions, a transformation currently underway that will ensure connectivity via the Internet, allowing the consistent monitoring of Flowrox products and systems to maximize its customer's uptime, reduce unplanned downtime and help guarantee spare part availability exactly when the customer needs them.

Currently, the Flowrox scaling watch already incorporates connectivity to the Internet, including both intelligence and the ability to be connected to the Industrial Internet of Things (IIoT)—a term coined

to communicate how the interconnectivity of devices to an Internet network can bring added versatility and performance.

Flowrox Smart Series builds on Flowrox's ultimate total cost of ownership and reliability, which are trademarks of its leadership in industries such as Oil & Gas, metallurgy, mining and minerals, among others. The embedding of Flowrox products with electronics, software, sensors and network connectivity enables the customer to collect and exchange data with the users and in some cases directly with Flowrox.

Initially, Flowrox will begin marketing its Smart Series of valves that incorporate a new series of smart sleeves and intelligent positioners with enhanced reporting and wear analysis, which will signal the customer that a valve may be heading toward failure—long before it actually fails.

Smart pumps will be available later on 2016 with similar features and innovative add-ons.

## Penta receives ABS approval

In December 2015, Penta reached another target regarding the quality and reliability certification of their products. Penta's model SAT CRIO class ANSI 150 has received ABS (American Bureau of Shipping) Approval for use on LNG (liquefied natural gas) vessels. The certification covers both manual valves and valves with additional operators (gearbox, pneumatic actuators) and was obtained following ABS Rules 5C-8-5/3.1(b), regarding working temperatures lower than -50°C. All Penta valves have been tested to 16 bar and -150°C. The valves are part of the SAT Crio series, and are designed for handling cryogenic media at temperatures between -200°C



and +200°C, when valves are equipped with seat in KEL-F, or between -100°C and +700°C, when they are equipped with the unique self-lubricant seat manufactured from our special "Pentafite" material. Neither valve types use any polymeric material or O-ring for Body Gaskets or Stem Seals

## Shell to expand Alpha Olefins production



Shell Chemical LP (Shell) has declared the final investment decision to increase Alpha Olefins (AO) production at its chemical manufacturing site in Geismar, Louisiana, making the site the largest AO producer in the world. Shell will construct a fourth AO unit, adding 425,000 tonnes of capacity.

engine and industrial oils and drilling fluids. "This important investment demonstrates our ongoing commitment to the growth potential in chemicals," said Graham van 't Hoff, Executive Vice President for Royal Dutch Shell plc's global Chemicals business. "With the investment in new, profitable

The chemical site is used in the production of stronger and lighter polyethylene plastic for packaging and bottles, as well as

facilities, Shell Chemicals is well placed to respond to increased global customer demand for linear alpha olefins. We have strong technology, advantaged ethylene feedstock from nearby Norco and Deer Park sites, and operational flexibility to allow us to respond to market conditions." Construction of the new unit will begin in the first quarter of 2016. The new capacity brings the total AO production at Shell's Geismar site to more than 1.3 million tonnes per annum; the site, with a strong track record of reliable and safe performance, also produces alcohols, ethoxylates, ethylene oxide and ethylene glycols.

## Watts Water acquires Apex valves

Watts Water Technologies, Inc. has completed the acquisition of 80% of the outstanding shares of Apex Valves Limited, a New Zealand company, for approximately USD 22M, with a commitment to purchase the remaining 20% ownership within three years of closing. The final purchase price is subject to a

customary net working capital adjustment. Apex specializes in the design and manufacture of control valves for low and high pressure hot water and filtration systems. Apex also produces an extensive range of float and reservoir valves for the agricultural industry. Watts Water Technologies, Inc., through its family of companies,

is a global manufacturer headquartered in the USA that provides one of the broadest plumbing, heating, and water quality product lines in the world. Watts Water companies and brands offer innovative plumbing, heating, and water quality solutions for residential, commercial, and industrial applications.

## Yokogawa delivers control system



Yokogawa Electric Corporation has announced that Yokogawa Ireland, a branch office of the subsidiary Yokogawa United Kingdom, has delivered a control system for Europe's first hybrid energy storage plant in Rhode, County Offaly, Ireland. The hybrid energy storage plant was officially launched

and opened on the November 4 by Schwungrad Energie, the owner and operator of the facility. Schwungrad Energie has developed this hybrid power storage system in collaboration with the Department of Physics & Energy at the University of Limerick, and will work with the Irish transmissions system operator to connect the plant to the power grid as a demonstration project under its Smart Grid Programme. The Rhode hybrid demo project comprises of two Beacon Power 160 kW flywheels and Hitachi Chemical valve regulated lead

acid batteries of up to 240 kW. The plant will have a maximum import capacity of 400 kVA and maximum export capacity of 422 kVA when completed. The flywheel system, with very high cycling ability, can rapidly absorb short-term excess grid energy and generate energy as needed by grid operators. Batteries can provide energy over longer durations but have more limited cycling capabilities. The hybrid flywheel will assist in disruption mitigation, during times of unexpected demand or sudden changes in energy supply/demand.

## SAND CASTINGS



### Sand Casting:

- Single Piece Weight: 20 Kg to 750 Kg.
- Installed capacity: 1800 MT Castings/yr.



### Materials :

- Plain Steel & Alloy Steel
- Austenitic Stainless Steel
- Duplex Stainless Steel
- Nickel Base Alloys

### Approvals:

- ISO 9001:2008
- PED 97/23/EC & AD 2000 W0

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## INVESTMENT CASTINGS



### Investment Casting:

- Single Piece Weight: 0.03 Kg to 60 Kg.
- Installed capacity: 1800 MT Castings/yr.



### Materials :

- Plain Steel & Alloy Steel
- Austenitic Stainless Steel
- Duplex Stainless Steel
- Nickel Base Alloys

### Approvals:

- ISO 9001:2008
- PED 97/23/EC & AD 2000 W0

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