

150 years



News Release

BASF features its desalination portfolio for sustainable water treatment at IDA World Congress 2015

- **Focus on innovative and efficient solutions to address growing water treatment needs for the desalination industry**
- **Connect with BASF experts at booth 1341 and discover the latest product developments and desalination market trends**

Ludwigshafen, Germany – August 19, 2015 – At booth 1341, BASF is showcasing its comprehensive range of sustainable water treatment solutions dedicated to the desalination industry at the World Congress of the International Desalination Association (IDA) being held in San Diego, California, USA, August 30 - September 4, 2015.

“We are very excited to connect with the international participants of the IDA World Congress and let them discover how our unique chemical solutions can enhance the performance of desalination plants and protect these high-investment facilities from scale formation and bio-fouling.” says Marcus Fuest, Global Industry Marketing of BASF’s Water Solutions business.

BASF’s Sokalan® RO antiscalant range has no eutrophication effect in water bodies and ensures high environmental standards without compromising on performance. Compatible with all major reverse osmosis membranes, Sokalan® RO antiscalants provide an excellent chemical pre-treatment that controls the scaling and fouling tendency of inorganic salts, metal hydroxides and colloids in reverse osmosis feed water. The superior performance results in reduced membrane

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Visit us at IDA World
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fouling and minimized cleaning requirements for reverse osmosis systems.

In addition BASF features the Sokalan® RO-Xpert software that is designed to recommend the most suitable Sokalan® RO antiscalant at an optimized dosage rate for all reverse osmosis applications treating sea and brackish water.

For thermal desalination, the antiscalant Sokalan® PM 15 I sets an industry benchmark and is approved for use in major Multiple Effect Distillation (MED) and Multistage Flash (MSF) thermal seawater desalination plants worldwide. Sokalan® AF is a pure organic, readily biodegradable antifoam that provides excellent foam control for thermal desalination processes at low dosage rates.

The BASF desalination portfolio is complemented with Magnafloc® LT coagulants and flocculants offering advanced pre-treatment performance and excellent residuals treatment in the desalination process.

On the strength of consistently high filtrate quality, Inge® ultrafiltration is the ideal technology for pre-treatment of sea water in desalination plants in combination with reverse osmosis or thermal treatment. The extremely small pore and highly stable filters of the Multibore® membranes reliably intercept not only particles, but also microorganisms such as bacteria or even viruses. The highly-efficient ultrafiltration modules allow rapid and easy installation. This makes planning desalination plants much simpler, enabling low-cost installation and operation.

BASF is investing in innovative solutions for the desalination industry and presents its recent developments in the following technical sessions during IDA World Congress 2015:

- *Novel polymeric high-performance antiscalant with excellent iron fouling prevention (IDAWC REF: 51429)*
- *Novel, high-performance ultrafiltration membranes for RO pre-treatment applications (IDAWC REF: 51605)*

- *Improvement of tube wetting by wetting agents in multiple effect distillers* (IDAWC REF: 51526)

About BASF

At BASF, we create chemistry – and have been doing so for 150 years. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. As the world's leading chemical company, we combine economic success with environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our products and solutions contribute to conserving resources, ensuring nutrition and improving quality of life. We have summed up this contribution in our corporate purpose: We create chemistry for a sustainable future. BASF had sales of over €74 billion in 2014 and around 113,000 employees as of the end of the year. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (AN). Further information on BASF is available on the Internet at www.basf.com.

About BASF Water, Oilfield and Mining Solutions

BASF offers a wide range of solutions and products for the water, oilfield and mining industry. The product range of Global Water Solutions includes products used in the key processes of industrial and municipal water treatment. The business is a leading supplier of chemicals to purify raw water used for the production of drinking water, to treat the waste water stream and industrial process water, and to protect desalination plants, cooling towers and boilers. Within our Global Oilfield Solutions business, we help the oilfield service industry make efficient formulations. Our portfolio comprises products for the drilling and completion of oil wells as well as chemicals for continuous and cost efficient production of valuable oil and gas resources. We develop next generation of surfactants and polymers designed to support enhanced oil recovery (EOR) operations by means of chemical injection. Mining Solutions offer an extensive range of mineral processing reagents. Our strengths are in solid/liquid separation and solvent extraction; we also offer reagents for flotation, dispersing, agglomerating and others. Further information can be found at:

www.watersolutions.basf.com
www.oilfield-solutions.basf.com
www.mining-solutions.basf.com

About inge GmbH

inge GmbH, based in Greifenberg, Germany is one of the world's leading providers of ultrafiltration technology, a membrane process used to treat drinking water, process water, waste water and sea water.

With a global reach enhanced by its network of partners, the company has completed numerous reference projects around the globe featuring its cutting-edge technology. In August 2011, inge® became part of BASF, the world's leading chemical company.

Its range of products include highly-efficient ultrafiltration modules and cost-effective, space-saving rack designs as the core components of water treatment plants, rounded off by the superb technical support it provides to its customers.

All the company's products are based on the in-house development of its patented Multibore® membrane technology, providing the top-quality standards for which German-made goods are known. The extremely small pore filters of the Multibore® membrane reliably intercept not only particles, but also microorganisms such as bacteria or even viruses, thereby providing a dependable source of clean water. Deployment of the inge® technology also offers significant advantages over conventional water treatment methods, such as rapid and easy module installation and stable, highly resilient membranes. This makes planning a water treatment facility much simpler, enabling customers to achieve low-cost installation and operation. And all this comes with a guarantee of long-lasting reliability. For more information about inge GmbH please click here www.inge.basf.com.