

De Nora retrofits two ballast Water Systems for OSG

Major tanker operator chooses De Nora BALPURE® electrochlorination system

De Nora, a market leading supplier of electrochlorination equipment, today announced a contract with Overseas Shipholding Group (OSG) (NYSE MKT:OSG), one of the largest tanker companies in the world, to supply two ballast water management systems (BWMS). De Nora BALPURE® systems will ensure that the Overseas Milos and Overseas Athens, both 50,000 DWT product/chemical tankers, will discharge ballast water that meets or surpasses the environmental discharge limits set by the International Maritime Organization (IMO), Environmental Protection Agency (EPA) and United States Coast Guard (USCG).

As a leading provider of global energy transportation services, OSG owns and operates a combined fleet of 78 vessels internationally and in the United States. De Nora will retrofit two vessels with Dual BALPURE® BP850-B systems sized to treat 1,500 m³/h of ballast water to ensure that they are ready for the impending ratification of the IMO Ballast Water Management Convention.

BALPURE's flexible design, equipped with patented DSA® electrodes and De Nora's expertise in electrochlorination has proved to be the best choice for OSG's vessels. As pioneer in electrochemistry and in seawater biofouling prevention, De Nora developed a proprietary self-cleaning coating ensuring fewer maintenance requirements and proven operational advantages.

BALPURE® Ballast Water Treatment Systems combine side stream electrochlorination and filtration. Using a slip stream of the ballast flow, BALPURE® systems efficiently generate the hypochlorite as needed and can be positioned away from critical ballast piping. This patented system has been proven to kill organisms that are taken on board during the ballasting process using less power than alternative ballast water treatment technologies.

Luca Buonerba, De Nora chief marketing and business development officer commented: "With ratification of the Ballast Water Management Convention so close, shipping companies are recognising the need to partner with experienced ballast water treatment manufacturers that have a clear track record. De Nora's long history in electrochemistry, coupled with our proprietary self-cleaning coating which significantly reduces required maintenance mean that shipowners can choose De Nora BALPURE Systems with confidence."

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IMO Type Approved since 2011, De Nora BALPURE® BWMS are also approved by class societies including BV, ABS and LR, thereby ensuring BALPURE® is a prudent choice in the uncertainty of ballast regulations.

With more than 6,000 electrochlorination installations, De Nora is the world's largest manufacturer of electrochlorination systems. These systems are producing more than 1,300 tons per day of sodium hypochlorite from seawater. The company has well established engineering, production and assembly facilities in Italy, the United States and China.

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About OSG

Overseas Shipholding Group, Inc. (NYSE MKT:OSG) is a publicly traded tanker company providing energy transportation services for crude oil and petroleum products in the U.S. and International Flag markets. OSG is committed to setting high standards of excellence for its quality, safety and environmental programs. OSG is recognized as one of the world's most customer-focused marine transportation companies and is headquartered in New York City, NY. More information is available at www.osg.com.

About De Nora

De Nora is an Italian multinational leader in sustainable technologies, that offers energy saving products and water treatment solutions. Globally De Nora is the pre-eminent provider of electrodes for electrochemical processes (for clients in the Chlorine & Caustic, Electronics & Surface Finishing, Pool Electrochlorination and Specialties sectors) and is among the leaders in technologies and processes for the filtration and disinfection of water (for clients in the industrial, municipal water and wastewater, power and energy, and marine sectors). The Company has grown organically by continuous innovation and externally through major acquisitions in the USA, United Kingdom Japan, and Italy. It serves clients in 119 countries and has a physical presence in 11 countries worldwide with 23 offices, 13 manufacturing facilities, and three research & development centers in Italy, the USA and Japan. The Group intellectual property portfolio currently contains 344 patent families with more than 2,000 territorial extensions.

More information at www.denora.com.