

Hamburg, September 4, 2018

SMM 2018, Hall B6, Booth 318

Siemens at SMM 2018

From September 4 to 7, Siemens will be at SMM under the banner “Welcome to the Digitalization at Marine – implement now,” with an exciting presentation showcasing the entry of digitalization into its marine portfolio. With over 2,100 exhibitors making the journey from 67 countries and an anticipated 50,000 trade visitors from around the world, the SMM is the world’s lead trade fair for the maritime industry. At Booth 318 in Hall B6, Siemens will be exhibiting its broad spectrum of drive technology, automation and digitalization services and solutions for shipbuilding and marine operations. Highlights of this year’s trade fair presentation include a virtual reality representation of the Siship eSiPOD as well as the smart web-based data application Siship EcoMAIN.

Siemens will also be featuring integrated solutions for the (partial) electrification of ships using uniform topology with the latest members of its Siship BlueDrive Family. As well as moving over functional features familiar from Siship EcoProp under the name Siship BlueDrive Eco, Siemens will also be offering visitors a glimpse into its own battery production and presenting a partner in the field of fuel cell-based power supplies for the commercial sector. So plenty of exciting innovations to look out for.

Siship eSiPOD in virtual reality

What sets electric pod drives such as the Siship eSiPOD apart is the enormous maneuverability, high drive efficiency and outstanding reliability they bring to the ships in which they are installed. They work with extremely low noise and vibration levels, making them particularly suited for use on passenger and cruise ships. The Siship eSiPOD is available in a mono or twin propeller drive version with power levels ranging from five to 23 megawatts. With the aid of the Siship eSiPOD Service Container, which comes fully equipped with special tools alongside specially coordinated service and logistics concepts, downtimes can be reduced and

maintenance costs kept to a minimum. Visitors to the SMM will have the opportunity to experience the Siship eSiPOD in a totally new way by immersing themselves in a virtual reality demonstration. This technology will form the basic framework for future e-training sessions due to be gradually introduced into the service portfolio.

Scalable, uniform-topology energy and drive solutions with the Siship BlueDrive Family

Siship BlueDrive PlusC has already been shown to provide systematic benefits within hybrid, diesel-electric and fully electric applications. The extended portfolio now opens up the benefits to an even wider application range. The integration of battery systems isn't unexplored territory for Siemens, but what is new is the in-house state-of-the-art production of its own energy storage systems. These were needed in order to meet the stringent demands made on this type of storage system to the accustomed standard of Siemens quality. With the Siship BlueDrive Eco, the Siship BlueDrive Family now provides a scalable solution to meet every conceivable propulsion requirement across wide-ranging power graduations, for small to medium-sized drives from 5 kW in auxiliary mode up to around 5.5 MW for the main drive – Siship BlueDrive PlusC. These integrated solutions can be configured to individual customer specification and are based on proven, standardized Siemens components. The Siship BlueDrive Family stands for a lean, economical, green propulsion system providing a high level of resilience, availability and servicing convenience.

Fleet management with Siship EcoMAIN

The proven web-based data application Siship EcoMAIN enables optimized fleet management by gathering and processing operational data from all the relevant on-board systems and equipment. It comes complete with apps enabling functions such as identifying potential for optimizing economy or best practices, and providing ship operators and crew with targeted decision-making assistance. At SMM, Siship EcoMAIN will be showcased in the form of a land-based control room demonstrating the possibilities opened up by digitalization in the maritime sector using Siship EcoMAIN. The decisive change in evidence here is the merger of the digital and real worlds and the resulting applications, such as the increased use of virtual reality.

More highlight topics at SMM

Siemens will be providing insights into other aspects of digitalization in the marine industry such as PLM Software, which supports the entire value adding process from ship design through engineering and planning to shipbuilding using digital simulation. Also featured will be topics such as SISHIP Lifecycle Management, power supply for berthed ships, sensors, automation and products such as Sigentics M, Sinamics S120 and Simotics HV C.

For further information on Siemens at SMM 2018, please see

www.siemens.com/press/smm18

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €83.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.