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**Press release**

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## **MAN PrimeServ and Makita Corporation Strengthen Partnership**

### **New agreement covers service of SCR-HP systems on MAN B&W two-stroke engines manufactured by Makita**

MAN Energy Solutions' service brand, MAN PrimeServ, and Makita Corporation have signed a three-year agreement to intensify their cooperation. The common goal of the partnership aims to offer customers worldwide the best possible service within SCR-HP (Selective Catalytic Reduction-High Pressure) systems from MAN Energy Solutions on two-stroke engines license-built by Makita Corporation.

MAN's SCR-HP is used on MAN B&W two-stroke engines to meet IMO Tier III emission levels. The smallest and most compact of its kind, it has very low operating costs and is particularly fuel-efficient as the existing exhaust-gas temperature is sufficient and no additional burner is required.

Yu Makita, President of Makita Corporation, said: "We are pleased to take the next step in our cooperation with MAN Energy Solutions and intensify our collaboration with MAN PrimeServ for the benefit of our customers."

Lukas Wengel, Head of Global Spare-Part Sales, MAN PrimeServ, said: "Following its successful class certification in 2020 and the increasing importance of Tier III environmental regulations, we find that more and more vessels are entering service with MAN Energy Solutions' SCR-HP systems; indeed we have sold around 80 already. I am certain that this new spare-part, strategic cooperation between the MAN PrimeServ service network and Makita Corporation will be of great benefit to owners and operators of SCR-HP systems on Makita-produced engines."

### **SCR-HP background**

MAN Energy Solutions first introduced the SCR-HP concept in 2017. The development of the new system is based on MAN's in-house competence with four-stroke engines, for which it can already reference more than 650,000 operating hours.

MAN's SCR-HP is sold under the new PBST brand. It is available for two-stroke engines and reduces – through internal catalytic reaction – NO<sub>x</sub> exhaust emissions to IMO Tier III limits. With specially developed honeycombs and honeycomb materials, as well as an integrated mixing unit, the overall size of the reactor has been drastically reduced compared to typical market designs and its medium-speed counterpart. The SCR-HP comes in six frame sizes, covering engines up to 25 MW with one reactor for the entire exhaust stream.

The system consists of the reactor – including mixing unit, urea injection lance, honeycombs and soot blowers – along with a module-based supply system, as well as the reactor's control unit that communicates with the engine-control system.

## About Makita

MAKITA Corporation is a marine diesel engine manufacturer with more than a hundred years of experience, located in Japan. MAKITA manufactures marine engines for 10,000 to 40,000 ton class ships. MAN Energy Solutions' and Makita's cooperation dates back to 1981.



*Pictured at the signing of the agreement (left to right): Ko Makita, Director, Makita Corp.; Yu Makita, President, Makita Corp.; Lukas Wengel, Head of Global Spare-Part Sales, MAN Energy Solutions*



*Pictured at the collaboration meeting (left to right): Yoji Ohsuga, Executive Officer Purchasing, Makita Corp.; Lukas Wengel, Head of Global Spare-Part Sales, MAN Energy Solutions; Ko Makita, Director, Makita Corp.; Nicolas Brabeck, Managing Director, MAN Energy Solutions Japan; Tomohiko Nakanishi, Department Manager After-Sales Service, Makita Corp.; Yasutaka Nitta, Executive Officer Technical, Makita Corp.*

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MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.