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**Press release**

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## MAN Energy Solutions and Shell Join Forces to Drive Decarbonization Solutions

**Strategic partnership aims to develop low-carbon energy solutions that facilitate the transition to net-zero emissions; including solutions such as Carbon Capture, Utilization and Storage (CCUS), green-fuels innovation and clean energy supply.**

MAN Energy Solutions and Shell have agreed a Memorandum of Understanding (MoU) to explore the potential of combining their individual competencies and technologies to achieve their climate goals and support their customers in their decarbonization efforts. The MoU was signed by Dr Uwe Lauber, CEO of MAN Energy Solutions, and Allen Pertuit, Vice President Downstream Projects at Shell, in Houston, Texas, on June 27, 2023.

"As we navigate the transition to a net-zero future, strong partnerships become crucial in driving meaningful change," said Lauber. "We are very excited to embark on this partnership with Shell. Together, we will leverage our collective strengths and expertise to accelerate the development and deployment of sustainable energy solutions. Catering to sectors that are essential to the world economy, we aim to provide future-ready technologies to bring down emissions that are considered hard to abate."

"As we further operationalize our strategy, we see additional opportunities to decarbonise our assets and help our customers to lower their emissions, such as those in industry and transport. With hydrogen, biofuels and CCUS we are seeding growth for the energy businesses of the future. Collaboration with partners, like MAN Energy Solutions, is important in the design and delivery of new business models that should address the needs of complex, energy-intensive and hard-to-abate sectors," says Allen Pertuit.

Together, the companies will work on optimizing CCUS plants with the aim of reducing CO<sub>2</sub> capturing costs. This will be achieved through the modularization and standardization of CCUS compressor solutions, which in turn will significantly decrease costs and speed up project implementation timelines. Another area of focus is the marine industry where the companies aim to promote the development of sustainable fuel options and integrated digital services for marine applications, and assess collaboration in the area of methane slip reduction – a crucial topic for environmental impact mitigation in the marine sector. Additionally, the companies are committed to developing and providing integrated decarbonization solutions that help minimize CO<sub>2</sub> emissions from their production plants and supply chains, as well as assisting their customers in reducing emissions from their operations.

### Moving Big Things to Zero

True to its claim of "Moving Big Things to Zero", MAN Energy Solutions provides the shipping industry with green engines that can operate on climate-neutral fuels and offers carbon capture and processing technologies for industries worldwide.

Once captured, CO<sub>2</sub> can be stored and reused to form the backbone of a circular carbon economy.

There are currently 18 large-scale facilities in commercial operation around the world – eight of which use MAN's CO<sub>2</sub> compression technology. Shell Canada commissioned MAN Energy Solutions with the delivery of an RG integrally-gear compressor for use in the world's first commercial-scale CCUS project to tackle carbon emissions. Located at an oil-sand operation in Alberta, Canada, the 'Quest' project has captured and injected more than nine million tons of CO<sub>2</sub> underground since 2015.



*MAN Energy Solutions and Shell have agreed a Memorandum of Understanding (MoU) to explore the potential of combining their individual competencies and technologies to achieve their climate goals and support their customers in their decarbonization efforts. Pictured: Uwe Lauber, CEO of MAN Energy Solutions (left); Allen Pertuit, Vice President Downstream Projects at Shell*

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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.