
PRESS RELEASE

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ATS, MPET and PSA launch first fully electric straddle carrier in mainland Europe

MSC PSA European Terminal (MPET), officially launched a new fully electric straddle carrier (e-straddle carrier) at its terminal in the Port of Antwerp today, as part of the joint Green Straddle Carrier Program initiated by Antwerp Terminal Services (ATS), MPET and PSA Antwerp (PSAA).

This is an important milestone for the port as the straddle carrier is the first-of-its-kind in mainland Europe. Konecranes, a global manufacturer of cranes and lifting equipment, built this e-straddle carrier by applying the latest battery technology to allow continuous operation for more than four hours, without any dip in performance.

In line with the UN Paris Climate Agreement and the EU Green Deal, ATS, MPET and PSAA aim to reduce their carbon emissions by 50 percent in 2030, against a 2019 baseline and achieve net-zero emissions for all their terminals by 2050. As part of their plan to reach these objectives, the e-straddle carrier, which runs 100 percent on batteries and takes approximately 90 minutes to fully recharge, can play an important role in the long run by helping to reduce terminal greenhouse gas emissions. Currently, all electricity purchased by MPET and the PSA terminals in Belgium is solely from renewable sources thus there will not be any greenhouse gases emitted while producing energy to power the e-straddle carriers.

Over the coming months, MPET will evaluate the e-straddle carrier's performance in live operations. During this trial period, ATS will assess how the equipment can be improved, and examine other factors that are necessary to scale up this new technology, including how to optimize the recharging of a larger fleet and the possibility of safely and effectively progressing to full scale operations.

Johan Van Daele, CEO at MPET is enthusiastic about the new e-straddle carrier: "The energy transition from fossil fuels to more sustainable alternatives is in full swing and we are taking a leading role at our terminals. Although we still have many obstacles to clear before scaling up our e-straddle carrier program, having a working prototype is an important first step to a zero-emission straddle carrier fleet."

Green Straddle Carrier Program

The e-straddle carrier feasibility study is part of the joint Green Straddle Carrier Program, in which the terminal operators are holistically evaluating four major technological pathways to significantly reduce these vehicles' carbon emissions in their actual working environment - full electrification, hydrogen, hybrid battery/diesel and biofuel. Conclusive results from the study will determine which technology will be scaled up to meet future energy needs.

Francis De Ruytter, Regional Head of Sustainability for PSA Europe, Mediterranean and the Americas, emphasizes the importance of targeting straddle carriers to reach PSA's sustainability goals. "Straddle

carriers are crucial in maintaining highly productive operations at our terminals, but at the same time they are responsible for approximately 90 percent of our direct emissions in Belgium. We are examining alternatives, while concurrently investing in our Green Straddle Carrier program that explores various technological options and partners to make these vehicles more sustainable in the near term.”

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ISSUED BY PSA ANTWERP, MPET and ATS

About PSA Antwerp

PSA Antwerp is the second flagship within the PSA Group. PSA Antwerp independently operates two container terminals in the Port of Antwerp: Noordzee and Europa Terminals and also operates the joint-venture MSC PSA European Terminal (MPET) together with TIL. It is also active in general cargo handling at the two PSA Breakbulk Terminals.

About MPET

MSC PSA European Terminal (MPET) is a joint venture between PSA and Terminal Investment Limited (TIL). With an annual throughput capacity of 9 million TEU, a quay length of 3.7 km and a surface area of 242 ha, MPET is the largest single container terminal in Europe and accounts for more than 50% of Antwerp's total container volume.

About ATS

ATS is a joint venture between PSA Antwerp and MPET. ATS provides Technical, HSS (Health, Safety, Security) and Barge Planning Services to both companies.

About PSA International

PSA International (PSA) is a leading port group and trusted partner to cargo stakeholders. With flagship operations in Singapore and Antwerp, PSA's global network encompasses 160 locations in 42 countries around the world. The Group's portfolio comprises over 60 deepsea, rail and inland terminals, as well as affiliated businesses in supply chain management, logistics, marine and digital services. Drawing on the deep expertise and experience from a diverse global team, PSA actively collaborates with its customers and partners to deliver world-class port services alongside, develop innovative cargo solutions and co-create an Internet of Logistics. As the partner of choice in the global supply chain, PSA is "The World's Port of Call". Visit us at www.globalpsa.com, or follow us on LinkedIn and Facebook (@globalpsa).

About Terminal Investment Limited:

Terminal Investment Limited Sàrl (TIL) invests in, develops and manages container terminals around the world. It was founded in 2000 to secure container handling capacity in the major ports for Mediterranean Shipping Company (MSC). Since then, TIL has grown and evolved to become one of the largest and most geographically diversified container terminal operators globally, with material equity interests in 40 operating terminals, two terminals under construction and options to purchase interests in two further development terminals. Visit www.tilgroup.com for more information.

About Konecranes

Konecranes is a world-leading group of Lifting Businesses, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity enhancing lifting solutions as well as services for lifting equipment of all makes. In 2022, Group sales totaled EUR 3.4 billion. The Group has approximately 16,500 employees in around 50 countries. Konecranes shares are listed on the Nasdaq Helsinki (symbol: KCR).



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