
NEWS RELEASE

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PSA Innovates with OptETruck, a Digital Solution for Singapore's Haulier Sector to Achieve Fleet Optimisation and a Greener Footprint

As part of efforts to further digitalise and decarbonise the container trucking industry, PSA Singapore (PSA), with the support of Enterprise Singapore, has developed OptETruck, a proprietary cloud-based transport management solution which uses artificial intelligence (AI) to facilitate smarter trip planning and eliminate operational inefficiencies for the haulier community in Singapore. It will help hauliers improve asset utilisation, reduce carbon emissions, as well as optimise operating costs.

One key feature of OptETruck is automated scheduling, which is enabled by a real-time resource-matching algorithm and predictive modelling to maximise resource utilisation. With this, OptETruck can match and recommend jobs so that hauliers are able to reduce the number of empty trips¹ made across various supply chain nodes. Another important feature of OptETruck is asset pooling. This feature enables hauliers and their partners to share resources, allowing them to optimise their fleet and trips.

Multiple haulier companies have already onboarded OptETruck and with the two key features, they have been able to reduce empty truck trips by over 50%. This translates to an annual reduction of about 10 million kg of CO₂ emissions, which is equivalent to 300,000 trees planted in a year. Recently, OptETruck received the Digital Achievers (Team) award at the Tech Leader Awards 2023, a testament to PSA's commitment in digital transformation to co-create agile, resilient, and sustainable supply chains with our partners and stakeholders.

OptETruck, together with PSA's two other digital solutions - *SmartBooking™ and iBOX™ - will be integrated to form an intelligent logistics ecosystem to digitally connect container terminals, depots, hauliers, and logistics facilities in Singapore.

Ms Seow Hwee, Head of Port+ Business, PSA Southeast Asia, said, "OptETruck and the full suite of digital solutions will strengthen and bring about a smarter and more sustainable supply chain and logistics ecosystem in Singapore. Harnessing the support from our partners and stakeholders, PSA seeks to proliferate these innovative digital capabilities to the small and medium-sized enterprises, which will elevate the competitiveness of the haulage community, drive greater business agility, and aid them to achieve their sustainability targets."

¹ Empty trips refer to those where no containers are moved by the truck

*SmartBooking™ is a one-stop online service platform which connects stakeholders across the logistics value chain. Users can use this platform to gain visibility of the entire logistics flow, obtaining access to information such as vessel schedules, container movement events and planned activities. iBOX™ is a depot management solution that digitally connects the port with container depots across Singapore. Integrated with SmartBooking, iBOX™ allows seamless data exchange, enabling truck visibility for enhanced efficiency between logistics facilities and container depots, two major nodes in container transportation.

Mr Law Chung Ming, Executive Director of Transport and Logistics at Enterprise Singapore, said, "Digitalisation and decarbonisation is key to future-proofing our SMEs in the logistics industry. As such, Enterprise Singapore will continue to support the development of innovative digital solutions such as OptETruck, which can enhance the productivity of SMEs at the industry-level by encouraging job and asset sharing. We hope to see more logistics companies benefit from such solutions that enable them to optimise manpower and resources and enjoy cost savings."

Mr Pandian Nachiappan, Managing Director at Paltrans Logistics Pte Ltd, said, "OptETruck seamlessly amalgamates the functionalities of depot booking, Portnet processes and transport management into a unified platform, offering invaluable support to SMEs like Paltrans. Being user-friendly, OptETruck effectively streamlines our operations by alleviating labour-intensive tasks, saving both time and expenses. Its exceptional features like recommendations for the fastest routes, truck pooling and automated scheduling greatly enhanced our efficiency and productivity."

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About PSA Singapore (PSA)

PSA Singapore operates the world's largest container transshipment hub in Singapore, handling 37 million TEUs of containers in 2022. With connections to 600 ports globally, shippers have access to daily sailings to every major port in the world, operating 24/7 all year round. Beyond port operations, PSA also offers PORT+ services, our unique differentiator in mid-mile logistics, to meet our customers' dynamic needs. This value adding service, supported by our bespoke PORT+ digital solutions, will provide shared visibility of the end-to-end supply chain. As the partner of choice in the port and supply chain operations, PSA is "The World's Port of Call". Visit us at www.singaporepsa.com or follow us on LinkedIn and Facebook (@singaporepsa).

****Note to Editors:** PSA ceased using the name of "Port of Singapore Authority" in 1997 when it became a corporatised entity. The company should be referred to as "PSA Corporation Ltd", "PSA Singapore" or simply "PSA".*

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