



## **Autonomous terminal tractor trials: Terberg Tractors Malaysia and Aidrivers work together within live port operations**

Terberg Tractors Malaysia (TTM) and Aidrivers first partnered in 2019 and have been working closely together since, with a joint vision of making autonomous transportation accessible and meeting the demands of the logistics industry.

A Terberg YT223-T3 (diesel) terminal tractor has been produced with in-design drive-by-wire that is compatible with Aidrivers' autonomous ecosystem, including Navigator "AIOS", Operator "AIFO" and Simulator "AISE". The autonomous eco-system will be demonstrated within ongoing port operations, taking place within a mixed-traffic mode container terminal for normal port operations.

Aidrivers is accelerating the autonomous environment preparation with zero-down deployment with effective use of its autonomous simulation and digital twinning system, which is leading to a physical trial to validate the findings onsite. Multidimensional data is collected during the terminal operations; this supports evaluation of the autonomous operations and planning towards large-scale adoption of autonomous terminal truck operations.

"We are pleased to be working with TTM on bringing autonomous truck into reality and together we will demonstrate the autonomous transportation automation which is capable of meeting real-life terminal operational needs in a large and modern container

terminal,” said Dr Rafiq Swash, Founder and CEO of Aidrivers. “The ultimate goal of such a solution is delivering higher productivity and efficiency, alongside improved safety, lower emissions and resilience, which are the ‘must have’ for a sustainable future.

“Our autonomous ecosystem is designed to deliver a risk-free path for introducing autonomous operations in both greenfield and brownfield port terminals, with zero downtime and without disrupting ongoing operations.”

He added: “A viable autonomous truck capable of autonomous driving in ‘mixed-traffic mode’ operation would substantially reduce the dependency and increase the operational resilience required to meet global supply chain needs,” said Dr Swash.

This year, TTM and Aidrivers have signed a new MoU under which they will cooperate in delivering AI-enabled autonomous mobility solutions for the industrial automation of horizontal transport in ports. This agreement recognises that the two companies have compatible goals and clear potential synergies, drawing on Aidrivers’ AI-enabled autonomous mobility solutions and platforms and TTM’s expertise in manufacturing industry-leading heavy equipment and machinery, including tractors.

**TTM quote:**

Mr Boo Wei Ching, CEO of Terberg Tractors Malaysia, said: “Working with Aidrivers clearly demonstrates Terberg Tractors Malaysia’s commitment to innovation. We are determined to seek, demonstrate, and implement the latest technologies to support port and terminal operators in their quest for future-proof, efficient, effective, sustainable, and resilient terminal operations.”