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PTP INKS AGREEMENT WITH TERBERG TRACTORS MALAYSIA TO DEVELOP AUTONOMOUS DRIVING TERMINAL TRACTORS

18 June 2019 — Pelabuhan Tanjung Pelepas Sdn Bhd (PTP), a member of MMC Group has successfully signed a Memorandum of Understanding (MOU) with Terberg Tractors Malaysia (TTM) to develop a comprehensive study on the viability of deploying autonomous driving terminal tractors to transfer containers within the terminal.

Yang Berhormat Loke Siew Fook, Minister of Transport, Mohd Solihan Bin Badri, Johor State Public Works, Infrastructure and Transportation Committee Chairman, Christoph Prommersberger, representative from the Kingdom of the Netherlands Embassy for Malaysia and Rosnan Fathlal, Chairman of Johor Port Authority were present during the MOU Signing Ceremony.

The agreement was inked between Marco Neelsen, PTP Chief Executive Officer and Boo Wei Ching, a member of the Board of Directors, TTM and witnessed by Yang Berhormat Loke Siew Fook, Minister of Transport together with Dato Sri Che Khalib Bin Mohamad Noh, PTP Chairman and George Terberg, Chairman of The Royal Terberg Group.

Speaking after the event, YB Loke commented that the Ministry of Transport is pleased that PTP, with the support of TTM have taken proactive measures in addressing the

challenge of present technology advancement in support for the Government's Industry 4.0 journey.

“The autonomous terminal tractor study will definitely provide the essential knowledge that will enable ports in Malaysia, and especially PTP, to continuously improve safety and increase its competitiveness to better serve its customers.

“Furthermore, the cooperation between PTP and TTM is also in line with the Government of Malaysia's call for more participation from the private sector in realising the National Policy on Industry 4.0 and subsequently reduce the dependency on foreign labour and increase the sourcing of local labour.” he added.

PTP's Chairman, Dato' Sri Che Khalib Bin Mohamad Noh in his speech remarked that the pace of change in the port industry have been unprecedented in the past couple of years due to shipping mergers and acquisitions, global economic uncertainty, as well as the fast pace technological advancement.

“PTP in its quest to remain competitive and in search of higher efficiency and productivity has been undertaking some progressive development work. The development covers operations facilities, support facilities and infrastructure as well as system upgrade. All this is in line with our aspiration to become an advanced preferred port in the region. A port which operates and offers smart solutions that will help optimise operations, promote efficiency and reduce logistics costs in a safe environment.”

George Terberg, Chairman of The Royal Terberg Group in his statement said the company is embarking on a new journey with TTM to provide full autonomous solutions to customers like PTP.



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“With the years of research and development that we have done, we have launched our automated yard tractor, AutoTUG, which can operate automatically, without major changes to the infrastructure of a terminal, allowing you to introduce automation gradually and flexibly, in parallel with manual operation.”

“The Royal Terberg Group always takes a long-term view in everything that we do, and we have committed innumerable man-hours and investments into this autonomous project.”



Dato Sri Che Khalib Mohamad Noh, Chairman of PTP (Standing, left), Yang Berhormat Loke Siew Fook, Minister of Transport (Standing, centre), George Terberg, Chairman of The Royal Terberg Group (Standing, right) Marco Neelsen, CEO of PTP (Seating, left) and Boo Wie Ching, a member of Board of Directors, Terberg Tractors Malaysia Sdn Bhd (seating, right) during PTP - TTM MOU Signing Ceremony on Autonomous Terminal Tractor Study.



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About Port of Tanjung Pelepas

The Port of Tanjung Pelepas (PTP) is Malaysia's largest container terminal. The port delivers reliable, efficient and advanced services to major shipping lines and box operators, providing shippers in Malaysia and abroad extensive connectivity to the global market.

PTP is grouped under MMC Port Holdings Sdn Bhd (MMC Ports), Malaysia's largest integrated logistics service provider. MMC Ports is a wholly-owned subsidiary of MMC Corporation Berhad, a leading utilities and infrastructure group with long-standing credentials and capabilities in ports & logistics, energy & utilities and engineering.

Its terminal operations are backed up by state-of-the-art facilities, equipment and information technology systems linked to all port users. To date, the Port is operating with 14 berths totalling 5.04 km in linear wharf design. The port's container yard is one of the largest container storage facilities in the region with the capacity to handle up to 10.5 million TEU annually.

PTP was accorded Free Zone status in March 1998 and was also appointed as a Free Zone Authority by the Government on 16 June 1999 to administer both the Commercial Free Zone and the Industrial Free Zone. PTP Free Zone provides various advantages to cargo importers and exporters and the direct connection to the port terminal also provides efficient and cost-effective container movement between the Free Zone and the port, creating convenience for the container trade.

PTP is also a joint venture between MMC Corporation Berhad (70%), a utilities and infrastructure group and APM Terminals (30%), a leading global ports group with a global port network in 62 countries.

For more information, please visit <http://www.ptp.com.my/>

About MMC Corporation Berhad

MMC Corporation Berhad (MMC Group) is a leading utilities and infrastructure group with diversified businesses under four divisions, namely Ports and Logistics, Energy and Utilities, Engineering and Industrial Development.

Its key businesses under the Ports and Logistics division include the operations of Pelabuhan Tanjung Pelepas Sdn Bhd, Johor Port Berhad, Northport (Malaysia) Bhd, Penang Port Sdn Bhd, Tanjung Bruas Port Sdn Bhd and Kontena Nasional Berhad. Internationally, MMC has presence in Saudi Arabia via Red Sea Gateway Terminal Company Limited, a container port terminal within the Jeddah Islamic Port.

Under the Energy and Utilities division, MMC is the single largest shareholder of both Malakoff Corporation Berhad and Gas Malaysia Berhad.

MMC's Engineering division has played a leading role for the implementation of the entire project



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including the underground works package in completing the 51 km Klang Valley Mass Rapid Transit (KVMRT) Sungai Buloh-Kajang project (SBK Line) and is now the main turnkey contractor for the entire Sungai Buloh-Serdang-Putrajaya project (SSP Line). Prior to this, MMC has successfully completed the 329 km Ipoh-Padang Besar Electrified Double Tracking Project as well as the innovative Stormwater Management and Road Tunnel (SMART) motorway, the first of its kind, dual-purpose tunnel in the world.

MMC is currently, undertaking key civil and infrastructure projects in the country namely Langat Centralised Sewerage Treatment Plant and Langat 2 Water Treatment Plant.

Under Industrial Development, MMC Group's Property develops and manages close to 6,000 acres of industrial developments in Iskandar Malaysia, Johor and Kulim, Kedah, which include the Senai Airport City, Tanjung Bin Petrochemical & Maritime Industrial Centre (TBPMIC) and the Northern Technocity (NTC). The Senai Airport City, TBPMIC and NTC developments come under the ambit of Group Property's three operating companies – Senai Airport City Sdn Bhd, Seaport Worldwide Sdn Bhd and Northern Technocity Sdn Bhd respectively.

In other businesses, MMC wholly-owns Aliran Ihsan Resources Berhad, a company which specialises in the full spectrum of water treatment and Senai Airport Terminal Services Sdn Bhd, the operator of Senai International Airport in Johor Bahru – a major aviation hub and the main air transportation gateway to Iskandar Malaysia.

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