



Kalmar and Navis enable ICTSI to complete the world's first fully automated terminal in Melbourne ahead of schedule

CARGOTEC CORPORATION, PRESS RELEASE, 11 SEPTEMBER 2017 AT 9 AM (EEST)

Today, Kalmar, part of Cargotec, and Navis, part of Kalmar Business Area within Cargotec, announced the delivery of the first OneTerminal automation solution to International Container Terminal Services Incorporated (ICTSI) at the Port of Melbourne, Australia. Kalmar OneTerminal provides an integrated automation solution, delivered by one team, bringing together Kalmar and Navis software systems, equipment and services for a seamless deployment. The deployment was completed ahead of schedule, making Victoria International Container Terminal (VICT) the world's first fully automated international container handling facility.

Melbourne's newest container terminal, VICT is located north of Port Phillip Bay at the mouth of the Yarra River in the Port of Melbourne's Webb Dock East. The 35-hectare terminal has an annual capacity of one million plus twenty-foot equivalent units (TEU), and an additional 400,000 TEUs on full build. VICT has a straight berth of 660 meters, which can accommodate two large vessels with capacities of up to 8,000-12,500 TEUs at once.

Christian Gonzalez, VICT Chairman and Senior Vice President of ICTSI's Asia Pacific Region commented: "VICT was designed, and is now equipped, to be fully automated, making it the most advanced container terminal in the world. We chose Kalmar's cutting-edge technology and equipment and Navis' software and it is enabling us to reach the highest standards of port safety. The project was completed on budget and ahead of schedule. This has never been achieved in the port industry for a fully automated terminal. It is especially noteworthy when considering the unprecedented complexity of the civil works requirements, along with the level of pioneering automation governing the design."

Kalmar's OneTerminal deployment at VICT includes the Kalmar Automatic Stacking Crane (ASC) system with 20 ASCs, 11 Kalmar AutoShuttles(TM), Kalmar Automated Truck Handling (ATH), Kalmar Terminal Logistics System (TLS) and the Navis N4 Terminal System. Additionally, Kalmar provided a range of project services required to deploy and support the solution.

Tero Kokko, Senior Vice President, Kalmar Automation and Projects commented: "Since signing the contract with VICT in August 2014, we have worked hard to complete the project ahead of schedule

and to the full satisfaction of the customer. With our complete end-to-end automation system at Kalmar's Technology and Competence Centre in Tampere, Finland, and the multi-assembly units in China and Poland, we were able to deliver our equipment months ahead of schedule. The software solution combining Kalmar TLS and Navis N4 Terminal System was pre-integrated and tested before the delivery, speeding up the deployment. This project exemplifies our strong cooperation globally between the Kalmar and Navis teams and our local team in Australia."

Mark Welles, VP and GM of Asia Pacific at Navis, commented: "Our team's tireless efforts and knowledge have been instrumental in taking VICT from greenfield to fully automated and operational more quickly than expected. The N4 Terminal System will allow VICT to optimise operations, speed turnaround times and deliver a new level of unprecedented efficiency in key areas of the terminal. Throughout the highly complex implementation, the Navis and Kalmar teams have served as not only technology partners, but trusted advisors with a commitment to helping the terminal achieve greater optimisation and provide unmatched service for their customers. We are invested in the success of VICT and under OneTerminal, we believe it will demonstrate the full power of our software and the equipment."

View the video about Kalmar OneTerminal: <https://www.youtube.com/watch?v=N4F2jRpa53M>

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About Kalmar

Kalmar offers the widest range of cargo handling solutions and services to ports, terminals, distribution centres and to heavy industry. Kalmar is the industry forerunner in energy efficient container handling, with one in four container movements around the globe being handled by a Kalmar solution. Through its extensive product portfolio, global service network and ability to enable a seamless integration of different terminal processes, Kalmar improves the efficiency of every move.

<http://www.kalmarglobal.com>

About Navis, LLC

Navis is a provider of operational technologies and services that unlock greater performance and efficiency for the world's leading terminal operators and ocean carriers. Navis combines industry best practices with innovative technology and world-class services to enable our customers to maximize performance and reduce risk. Whether tracking cargo through a port, automating equipment operations, or managing multiple terminals through an integrated, centralized solution, Navis provides a holistic approach to operational optimization, providing customers with improved visibility, velocity and measurable business results. [/www.navis.com](http://www.navis.com)

About Cargotec Corporation

Cargotec (Nasdaq Helsinki: CGCBV) is a leading provider of cargo and load handling solutions with the goal of becoming the leader in intelligent cargo handling. Cargotec's sales in 2016 totaled approximately EUR 3.5 billion and it employs over 11,000 people.

About Victoria International Container Terminal Limited (VICT)

VICT signed on 2 May 2014 an agreement with the Port of Melbourne Corporation for the design, construction and operation of the Port of Melbourne's new international container terminal at Webb Dock East. The agreement delivers a global standard in modern container terminal design, innovation and operations, and is the flagship facility in Australia's premier port.

VICT is owned by International Container Terminal Services, Inc. (ICTSI) and began operations in early 2017. The terminal utilises best-in-class technologies to deliver fully-automated operations from the gate to the quayside.

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[Kalmar ASCs at VICT](#)

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Size: 2.6 MB

