



Contact

Jennifer Grinold
Navis, LLC
T+1 510 267 5002

jennifer.grinold@navis.com

Geena Pickering
Affect
T+1 212 398 9680

gpickering@affect.com

FICT's Tianjin Port Hits Operational High With Navis N4

Successful Modernization Project in Partnership with Navis and ZPMC included Automating 31 Cranes with N4 in Record Time

Oakland, CA — May 27, 2020 — [Navis](#), a part of [Cargotec Corporation](#), and the provider of operational technologies and services that unlock greater performance and efficiency for leading organizations throughout the global shipping industry, today announced that after an extensive yard modernization project that included retrofitting 31 cranes with N4, Five Continents International Container Terminal (FICT) Tianjin Port has hit several operational and productivity milestones.

Originally built to handle 1.5 million TEU, Tianjin Port exceeded its design capacity and now operates at 2.7 million TEU annually. Due to its rapid growth, Tianjin Port prioritized investing in tools and technology to aid its business operations as it scaled. Last year Tianjin Port launched a project to modernize its yard by automating its fleet of 31 manually operated rail-mounted stacking cranes. With the support of Navis and ZPMC, the cranes went live with N4 in record time and were able to perform critical tasks including yard planning, vessel planning, ARMG scheduling and dispatching and prime mover/tractor-trailer scheduling and dispatching, quickly. Other operational gains Tianjin Port has seen in the past year from its N4 implementation include:

- Increased hourly production reaching 35.2 TEU per hour/A-RMG
- Increased yard throughput capacity by 20%
- Yard vessel berthing time decreased by 8.3 %.
- RMG operators reduced by 30.3%.
- OTR truck stagnation reduced time by 45.6%.
- Energy consumption of a single box went down by 60%, compared to the end-loading process

“Partnering with Navis and ZPMC for our modernization project has helped us achieve our business objectives of increased automation, to allow us to handle the high amount of cargo our port sees every day,” said Lin Hongwei, Deputy General Manager of Tianjin Port. “We have already experienced great results from the N4 implementation and look forward to seeing continued success.”



“As one of the busiest ports in the world, we know peak productivity is essential for Tianjin Port. Due to the rapid growth the port has experienced, automating some of its processes were key in helping them handle the extra load efficiently,” said Charlie Gerard, VP and General Manager, Asia-Pacific at Navis. “Through our suite of solutions, we are helping our customers take the next step in their automation goals which is becoming increasingly important to our customers at this time.”

For more information visit www.navis.com.

About Navis, LLC

Navis, a part of Cargotec Corporation, 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

About Cargotec Corporation

Cargotec (Nasdaq Helsinki: CGCBV) enables smarter cargo flow for a better everyday with its leading cargo handling solutions and services. Cargotec's business areas Kalmar, Hiab and MacGregor are pioneers in their fields. Through their unique position in ports, at sea and on roads, they optimize global cargo flows and create sustainable customer value. Cargotec's sales in 2019 totaled approximately EUR 3.7 billion and it employs around 12,500 people. www.cargotec.com

###