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Navis Announces Improvements in Terminal Software with Launch of N4 3.3

Latest Version Built Following the Agile Methodology Offers New Set of Features for Improved Terminal Efficiency and Productivity

Oakland, CA— January 24, 2017—[Navis](#), a part of [Cargotec Corporation](#) and provider of operational technologies and services that unlock greater performance and efficiency for the world’s leading organizations across the shipping supply chain, announced the general availability of N4 3.3, the latest version of its flagship terminal software. As terminal operations become increasingly complex, Navis remains committed to providing best-in-class solutions for its customers, and N4 3.3 offers a broad set of new features and enhancements to make it easier to administer and maintain N4.

For the launch of N4 3.3, Navis implemented a major improvement in its software development approach – leveraging an agile methodology – to improve the ability to build quality software and innovate by utilizing rapid feedback loops as part of the development cycle. With frequent quality and delivery checkpoints built into the process, the new software’s features help Navis customers unlock greater operational efficiency. Navis has also reduced its release cycle to four months in order to be more responsive to growing industry challenges and market needs.

“As the industry continues to evolve, with carriers adding larger vessels to their fleets and shippers demanding greater predictability and real-time insight into their cargo, it is critical that our customers are able to provide the most efficient terminal operations possible,” said Scott Holland, VP of Product Management at Navis. “Through implementing the agile methodology, we were able to further build on the capabilities and services we offer, and the release of N4 3.3 is the next step in delivering our clients the most innovative terminal software to address current and future industry needs.”

New features and enhancements in N4 3.3 include:

- **Enhanced Application Performance** including core performance improvements in XPS. The method XPS uses to find containers has been refactored to significantly decrease the time

required to find a container to update or delete. This improvement will be most noticeable in sites where XPS has over 100,000 containers in the cache, but will benefit all sites. Additional improvements allow users to influence N4 message processing by systemically distributing message processing across different nodes.

- **Decking History Insights** provide users with better insights into system decisions to fine tune parameters and increase yard utilization. The Decking History view reflects all decking work instructions that have been dispatched.
- **Rail Operations Support** for terminals using wide span gantry cranes that are serviced by straddle carriers and empty handlers.
- **Block Impact Minimizer** to optimize the loading of empty containers to the vessel by swapping empties from different yard blocks. This ensures the empty workload is distributed across the various blocks, minimizing transfer zone congestion and decreasing unproductive container moves, resulting in higher yard and quay-side productivity.
- **N4 System Administration and Maintenance Improvements** to help IT teams administer, maintain and support N4 systems.

To learn more about the N4 3.3 release, visit www.navis.com

About Navis, LLC

Navis, a part of Cargotec Corporation, is the global technology standard for managing the movement of cargo through terminals, standing the test of time. 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's (Nasdaq Helsinki:CGCBV) sales in 2015 totalled approximately EUR 3.7 billion and it employs over 11,000 people. www.cargotec.com

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