

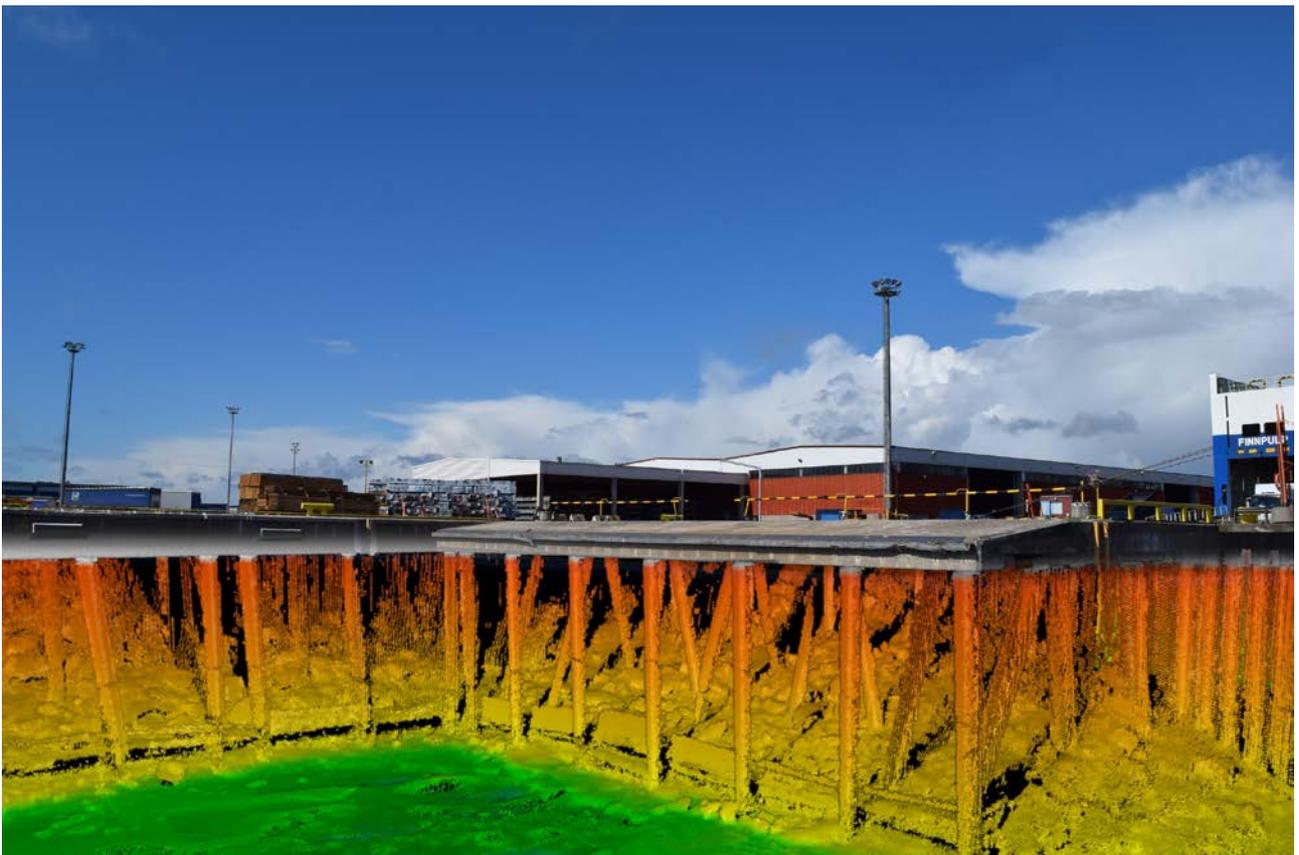
PRESS RELEASE

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World's smartest digital port with Northern collaboration: Largest multipurpose port in Finland adopts unique 3D operating system by Finnish high-tech company

Port of HaminaKotka and a Finnish high-technology company VRT Finland Ltd., specialized in underwater 3D inspections, have signed a contract continuing their cooperation in building a smart digital port. In the cooperation, HaminaKotka port will expand the use of VRT Finland's 3D operating system to streamline day-to-day operations of the entire port. The Port of HaminaKotka has partly utilized the unique VRT BIM 3D online service in the past, and the upcoming extension of the system will make HaminaKotka port one of the world's ports using digitalization comprehensively.



Port of HaminaKotka's structures are digitalized with 3D structural inspections and unique online-service.

Image: VRT Finland

VRT Finland and Port of HaminaKotka deepen their cooperation in the maintenance of the harbor area and structures by continuing the use of the VRT BIM 3D online system across the whole port operations. VRT, specializing in underwater structural inspections and 3D data management, has been the first to develop a fully web-based service, VRT BIM, for easy 3D management and utilization. The system enables efficient storage, comparison, sharing and intelligent utilization of 3D data in the day-to-day operations and maintenance of the port. For Port of HaminaKotka, the easy-to-use online service is particularly important as it concentrates information on one online-platform to make information sharing and daily operations more effective. VRT BIM enables the comparison of inspection data collected from the same location, which facilitates the predictive planning and execution of repair and maintenance projects.

“For a long time, VRT has innovatively utilized its 3D inspection- and data modeling expertise. Our strength is the understanding of the entire 3D production chain from collecting data to reporting. As a result of our outstanding programmers, we have succeeded in creating a solution that is easy to use and especially serves the owners of structures in life-cycle management”, says VRT Finland’s CEO **Kirsi Hänninen**.

Cooperation between VRT and Port of HaminaKotka began in 2016 when VRT surveyed the underwater structures of the port area and provided the 3D inspection data via the VRT BIM online service. VRT BIM responded to the needs of HaminaKotka port as an easy-to-use tool, which showed a clear opportunity for the further use of the system as an operation enhancer for the entire port. During the upcoming co-operation, the previously collected underwater survey data will also include the terrestrial parts of the port area in 3D, whereby the entire port area will be digitally accessible through VRT BIM online system.

VRT BIM also works on mobile and without any additional software installations, replacing several different softwares with one solution. In cooperation with HaminaKotka port, VRT will also develop additional features for VRT BIM online-service tailored to the port operations, which further supports the needs of maintenance, communication and daily activities. The Port of HaminaKotka and VRT are both pioneers in their industry and strengthen their position even more with further cooperation.

“The user-friendliness and clarity of VRT BIM is convincing”, says Port of HaminaKotka’s Maintenance Manager Saana Vuorinen. “Locating and reporting damages as well as finding possible repair needs is easier, while communication with stakeholders is improved. Although VRT BIM is a great tool especially for operational activities of our port, it has plenty of features that are

useful for the whole organization. The operating system will be an important part of our daily operations”, Vuorinen summarises.

“The best result is always achieved with good cooperation listening to the customer. Port of HaminaKotka is an excellent partner for VRT because it wants to take advantage of the opportunities offered by the most modern technology to be a pioneer in its field in Europe”, Hänninen continues.

VRT Finland Ltd. is the leading company in its industry, specializing in underwater structural inspections using multibeam technology and in easy 3D data management. VRT helps customers in the Nordic countries, Germany, the Netherlands and the UK in utilising 3D data in maintenance and asset management. The company provides added value to ports, bridges, pipelines, oil terminals and actors in the energy sector by digitising underwater infrastructures. VRT is a high-tech engineering company providing added value already for over 100 ports and terminals internationally. <https://www.vrt.fi/>

Port of HaminaKotka is the biggest universal port in Finland. The Port of HaminaKotka serves as an important hub in Europe and in the Baltic Sea region. Regular liner services ensure quick deliveries and connections to all parts of the world. The Port of HaminaKotka caters for all types of cargo: containers, RoRo, LoLo, dry bulk, liquid bulk, gas and project shipments of all types, and provides versatile value-added services. <http://www.haminakotka.com/>

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