

PRESS RELEASE

VRT Finland Ltd

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Port of Moerdijk on the cutting edge of digitalisation with Finnish high-tech company VRT Finland Ltd.



Port of Moerdijk ©

Port of Moerdijk is a port with versatile opportunities for all kinds of transport. Located in the crossing point of road, rail, pipeline, and marine transportation the port offers easy logistics to a variety of businesses. Established in the sixties, Port of Moerdijk has been working rigorously for sustainable logistics and process industry.

Digitalisation is a trend increasingly affecting transport industry and ports all over the world. The first important step for digitalisation is to have a digital twin of the assets. Port of Moerdijk and VRT Finland have started a co-operation for digitalising the port by scanning over 20 kilometres of structures with multibeam sonar and laser scanner. The resulting 3D model of the assets is analysed by experienced civil engineers, and delivered via online platform GISGRO, which serves as a starting point for the new way of smart asset management.

“We strongly believe that with this project we will be able to better seize the opportunities that digitalisation brings to our port. In that sense, the aim of the project is to increase both the safety and efficiency of our assets.” Henk Schakenraad, manager infrastructure & management.

The survey is done by a small and agile vessel, which can navigate in busy port area without disturbing the port’s business. Even in wide areas like this the duration of the field work is only a couple of weeks. Drive-by sonar survey is the most cost-effective way for inspection of large areas, and the resulting accurate 3D data ensures a solid basis for digitalising the asset. The port also receives a report by licensed inspectors, which enables optimising the planning of future maintenance procedures.

“Digitalisation and the utilisation of 3D data in predictive asset management have received a strong foothold in the Netherlands and we are thrilled to be a part of this development. VRT’s services aim to the finest data and the easiest utilisation of 3D point clouds, and it is great that Port of Moerdijk appreciates our technology and experience in marine asset management.” Karri Koistinen, 3D Asset Management Specialist, VRT Finland Ltd.

About:

VRT Finland Ltd: VRT is a Finnish high-tech company founded in 2010 by two civil engineers specialised in underwater structural surveys using multibeam technology. VRT helps customers in the Nordic countries, Germany, the Netherlands and 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 an international growth-company currently employing over 20 experts of different areas. www.vrt.fi

Port of Moerdijk: The combination of the available space, industry and its ideal location with regard to the sea and inland waterways means that Moerdijk Port offers ample opportunities for further growth. Focusing on the environment and nature, the Moerdijk Port Authority is actively working on the development of sustainable logistics and process industry. Moerdijk Port is an important economic driver for the region, offering direct and indirect employment to about 16,000 people. www.portofmoerdijk.nl

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