



When Details Matter

PRESS RELEASE

VRT Finland Ltd. & Port of Dover
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Port of Dover Signs Significant Contract Agreement with Finnish Underwater Inspection and 3D Technology Company VRT Finland

Home to the busiest international roll-on roll-off ferry port in Europe, the Port of Dover has signed a Contract Agreement with a Finnish high-tech company; VRT Finland Ltd. This contract builds upon the co-operation of many years. The four-year contract agreement ensures continued safe port operations by way of detailed underwater inspections, enabling proactive maintenance of port structures.



Image: Port of Dover

Effective immediately, the four-year contract covers the delivery of underwater inspections between 2018 and 2021 for the entire 3.45 square kilometre port area, the first part of the contract has already commenced with field work being undertaken in May 2018. Underwater inspections by VRT are an important part of the Port of Dover's asset management program as the processed and interpreted

3D data significantly facilitates construction and maintenance planning, preventing any costly surprises in future repair activities. Handling £122bn or 17 % of the UK's trade in goods, it is crucial that the Port ensures safe marine operations and the ongoing long life cycle of structures. The Port of Dover has a wide range of assets of varying structure types, situated in the coastal marine environment, these require inspection, testing, assessment and maintenance as part of the Port's developing and ongoing long-term asset management plan.

"VRT's inspections allow us to monitor any long-term trends in the deformation characteristics of the structures, the early identification of any potential issues allows the Port to undertake suitable maintenance or remedial designs if necessary, says Darren Bell, Geospatial Engineer at Port of Dover.

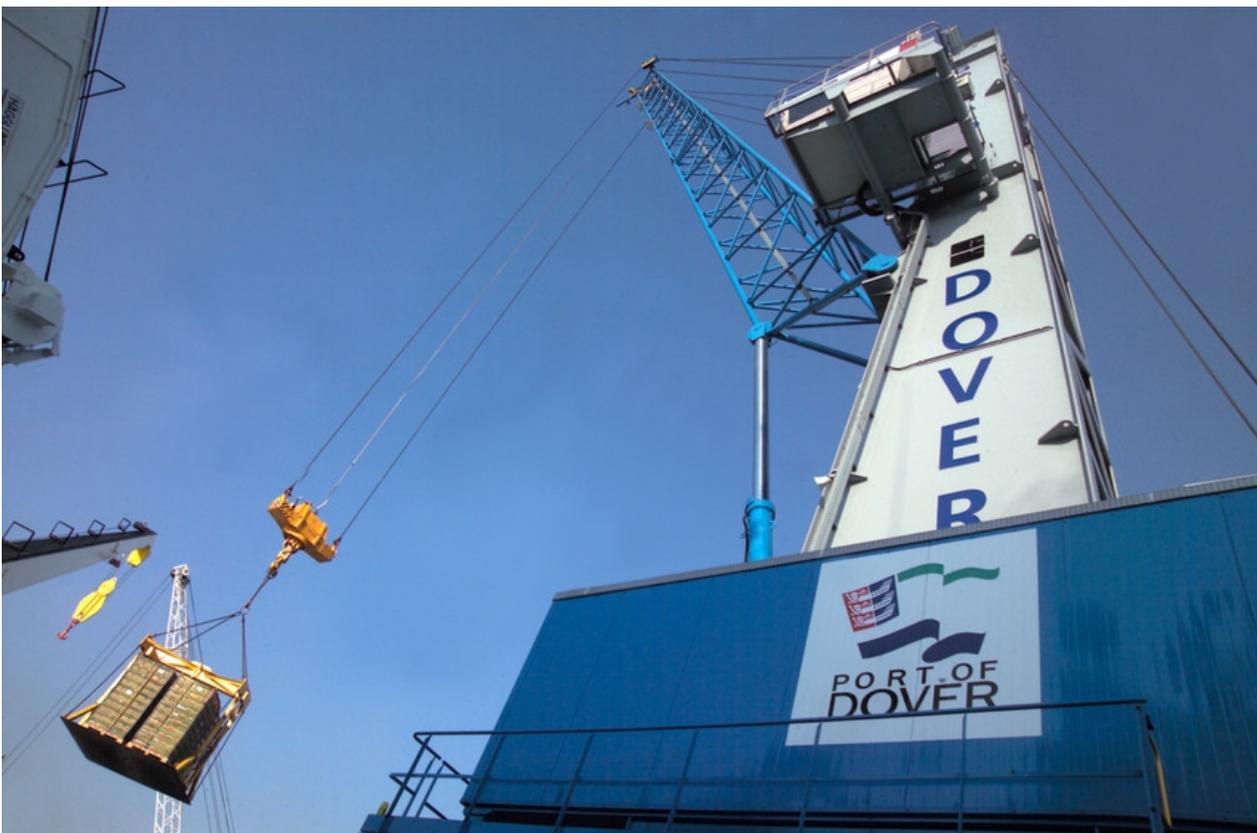


Image: Port of Dover

The co-operation started two years ago, when VRT Finland; specializing in multibeam sonar technology and 3D data management, surveyed over 5 kilometers of marine structures in works spanning 2016 and 2017. The projects provided the Port of Dover with post-processed and analyzed

point cloud data as well as detailed 3D and 2D CAD models. As a result of the new contract agreement, it is the intention that every principle marine structure is surveyed over the next 4 years. Some of the structures will be inspected for the first time to collect baseline data for future surveys while a part of the port's infrastructure is surveyed already for the second time, which enables detailed change comparisons between data sets.

“The framework agreement is a great opportunity to carry out inspections for the whole port area to collect important baseline information to enable long-term monitoring of underwater structures. With multibeam sonar technology, we can make the invisible underwater structures visible while also surveying the structures above the surface with laser scan. With our underwater inspection service and VRT BIM online service, Port of Dover can digitize assets for smart asset management”, explains Karri Koistinen, Client Executive at VRT Finland.

About:

***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 Dover

Originally established in 1606, the principal activities of the Dover Harbour Board (DHB) are to administer and maintain the Port of Dover and its facilities and to develop resources to meet future demands. The Port of Dover is Europe's busiest ferry port, a vital international gateway for the movement of passengers and trade. It is also an award-winning cruise port, the second busiest in the UK and hosts some of the world's most prestigious cruise lines. Other successful businesses include a cargo terminal, a top award-winning marina and several niche activities. The business mix is diverse. The Port of Dover is home to the busiest international roll-on roll-off ferry port in Europe with 120 ferry movements a day, it handles around 5 million vehicles and 13 million passengers each year.

<https://www.doverport.co.uk/>

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