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WÄRTSILÄ AND TANGER MED TEAM UP TO CO-DEVELOP NEXT GENERATION PORT MANAGEMENT INFORMATION SYSTEM

Wärtsilä has partnered with Tanger Med, the largest Mediterranean and African container port, to take a new step forward in global port efficiency by co-developing a new cutting-edge Port Management Information System (PMIS).

Both organisations sealed their long-term commitment to co-develop modern Smart Port tools for port operations and digitalisation – including implementing Just-In-Time (JIT) solutions, machine learning and AI as well as other innovative solutions.

This partnership positions Tanger Med and Wärtsilä as champions of the Smart Marine Ecosystem, whereby data exchange will improve operational efficiency, port safety, and environmental sustainability in shipping, including reducing carbon and greenhouse gas emissions.

Port call optimisation

The new PMIS aims at addressing the needs of the leading maritime liners and alliances calling at Tanger Med Port Complex, to optimise their vessel calls and to use standardised master and event data.

Tanger Med is strongly committed in the International Taskforce PCO (Port Call Optimisation), which is bringing together several international ports including Port of Rotterdam, Antwerp, Hamburg and Los Angeles to harmonise and optimise procedures for the management of maritime calls.

The joint initiative includes the delivery and installation of a [Wärtsilä Navi-Harbour VTS System](#) comprising PortLink Port Management Information System, IALA Advanced Coastal Surveillance Radars, VHF Radio Sub-System, Automatic Identification System, Operator

Workstation, Network Systems, Ancillary Equipment and a five-year service and support contract.

Leading Smart Port development

Currently, Tanger Med is fully engaged in port digitalisation through different initiatives and projects. It has armed itself with the most advanced technology through developing its own Port Community System, which offers a range of services including port call optimisation, Vessel Traffic Services, slot reservation system, call priorities management, pilot dispatch solution, traceability as well as many other digital services serving the logistics competitiveness of its operators.

This project takes the upgrades a further notch up with not only the new Wärtsilä Navi-Harbour VTS System, but through the installation of [Wärtsilä Navi-Port](#), which enables Just-in-Time (JIT) arrival. JIT reduces the need for vessels to wait at anchorage, bringing down congestion and the risk of collisions, also lessening GHG and carbon emissions. Plus, the new PMIS digitalises the entire port-call process, reducing chances of human error and increasing efficiencies.

“Tanger Med is taking another step by teaming up with Wärtsilä to develop its new PMIS. This partnership aims to support the port's current efforts to become a leading smart port equipped with the latest technologies to improve operational efficiency, and further enhance organisation of ships calls and nautical services, which will be essential as port traffic increases,” said **Ridouan Boulaich IT Director, Tanger Med**.

“Tanger Med is fully committed to optimized vessel calls through digitization. This collaboration will also reinforce Tanger Med Port’s position as a leading port in this respect. We are on course to help reduce greenhouse gas emissions within the port and surrounding areas, which are critical priorities for the International Maritime Organization, IALA, and the broader maritime community. Said **Khalid Samir Harbormaster, Tanger Med**

“It is a ground-breaking project from a technology perspective. Tanger Med Port has planned for a full and comprehensive smart port upgrade that includes not only an extensive range of our existing Ship Traffic Control products but also new solutions that will enter the market later in 2021, such as Wärtsilä Navi-Port and AIM (Advanced Intelligent Manoeuvring),” added **Bruce Mills, Business Development STC, Wärtsilä Voyage**.

[PortLink](#) is an integral player in this project. As a leading manufacturer of state-of-the-art Port Management Information Systems (PMIS), their solution is a modular application

designed to facilitate the planning and management of port operations. It allows users and stakeholders in the port community to exchange information in a timely manner, eliminate redundant data entry and automate workflows. In Portlink, we have the perfect partner to help bring these ambitions to fruition' added **Bruce Mills**

Green foot forward

The project aligns perfectly with Wärtsilä Voyage's larger [Smart Ports vision](#).

"Improving operational efficiency, better port-call organisation and reducing congestion and emissions will be critical as port traffic increases. So, there's a clear widening of the port authority's traditional focus from safety to optimisation and greener operations. Digital solutions are the most cost-effective way forward," said **Alex Van Knotsenborg, Director Global Sales, Wärtsilä Voyage**.

Wärtsilä Voyage will handle all the services linked to the project, including design, delivery, testing, operations and technical training. The installation will be completed within 12 months, after which the organisations will continue to collaborate under MoU to drive further smart port development.

Development model for port efficiency in Africa

The deployment of this new PMIS will enable Tanger Med, as an Africa-wide development model to duplicate this innovative system, through the initiatives carried out with other African port authorities, to implement it according to their needs and specificities.

Wärtsilä Voyage in brief

Wärtsilä Voyage transforms how vessels perform their voyage by leveraging the latest digital technologies to deliver a step-change in safety, efficiency, reliability, and emissions. We are committed to creating a Smart Marine Ecosystem, whereby every vessel can connect to digital services that make voyaging safer and greener. With the broadest Smart Marine portfolio in the market, we are well-positioned to lead the industry towards becoming digitally connected across the entire value chain and to be the first partner of choice when leveraging the latest digital technologies.

www.wartsila.com/voyage

Wärtsilä in brief

Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. In 2020, Wärtsilä's net sales totalled EUR 4.6 billion with approximately 18,000 employees. The company has operations in over 200 locations in more than 70 countries around the world. Wärtsilä is listed on Nasdaq Helsinki.

www.wartsila.com

About Tanger Med

Tanger Med is the leading African and Mediterranean port complex. It's a global logistics gateway located on the Strait of Gibraltar with handling capacities of 9 million containers, export of 1 million new vehicles, transit of 7 million passengers and 700,000 trucks on an annual basis. Tanger Med port Complex encompasses three ports (Tanger Med 1, Tanger Med 2 and Trucks and Passengers port) as well as the adjacent logistical zone.

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