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Intero bags award for robotic low flash point tank floor inspection in collaboration with Vopak

Intero Integrity Services (Intero) is delighted to announce the successful deployment of the OTIS500 robot, during a low flash point in-service tank inspection for Dutch tank storage firm Vopak.

The ATEX approved tank inspection robot is specially developed for live deployment, eliminating the need to take the tank offline, saving man-hours and tank downtime. Additionally, using an unmanned solution for tank inspection means that there are less health and safety concerns regarding the procedure and a reduction in the emission of hydrocarbon vapours and waste water.

Tan Soo Koong, Managing Director, Vopak Terminals said: “As we drive the digital and innovative transformation of the tank storage industry, our partnership with Interio allows us to leverage on technology such as inspection robotics and big data analytics to create a safer, sustainable and more productive workplace.”

This collaborative work was awarded the SPRINT Robotics Award at the 1st World Conference for Inspection & Maintenance Robotics, which took place in Galveston, Texas. The award recognizes the important work by Interio to help establish robotic on-stream inspection of storage tanks.

Tjibbe Bouma, Chairman of The SPRINT Robotics Collaborative, said: “The work performed for this successful project is a shining example of how close collaboration can accelerate breakthroughs in industry practices. The SPRINT Robotics Award recognizes the important work by Interio and their project partners to help establish robotic on-stream inspection of storage tanks as a preferred standard solution to be considered for the majority of storage tanks around the world.”



Responding to the award announcement, Interio CEO Rienk de Vries said: "We are grateful for this opportunity to collaborate closely with Vopak for the world's first in-service robot inspection in a low flashpoint product storage tank and honoured for our work to be acknowledged by The Sprint Robotics Collaborative.

"This project is a great demonstration of how close collaboration can accelerate breakthroughs in industry practices. We are hoping that the successful completion of this project with Vopak and the subsequent award win for the robot will stimulate the use of this ground breaking inspection approach within the industry".

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About Interio Integrity Services

Interio Integrity Services is a global leading inspection and industrial services provider to the oil, gas refining and petrochemical industries. Formerly operating as A.Hak Industrial Services, the company has built an excellent track record in providing total inspection and industrial solutions with state-of-the-art technology and world-class employees. Operating globally, Interio Integrity Services uses an integrated approach to work with clients to optimize the use of their assets, from design through to end-of-life. For more information visit www.interio-integrity.com.

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About Royal Vopak

Royal Vopak is the world's leading independent tank storage company. We operate a global network of terminals located at strategic locations along major trade routes. With over 400 years of history and a strong focus on safety and sustainability, we ensure safe, efficient and clean storage and handling of bulk liquid products and gases for our customers. By doing so, we enable the delivery of products that are vital to our economy and daily lives, ranging from oil, chemicals, gases and LNG to biofuels and vegoils. Vopak is listed on the Euronext Amsterdam stock exchange and is headquartered in Rotterdam, the Netherlands. Including our joint ventures and



associates, we employ an international workforce of over 5,700 people. As of 5 November 2018, Vopak operates 67 terminals in 25 countries with a combined storage capacity of 36.7 million cbm, with another 2.6 million cbm under development that will be added before the end of 2020.

About The Sprint Robotics Collaborative

Founded in January 2015, the SPRINT Robotics Collaborative is a global not-for-profit, industry-driven foundation that promotes the development, availability, application and commercialization of robotic techniques in technical inspections and maintenance of capital intensive infrastructure. The goal of the SPRINT Robotics Collaborative is to fast-track the market readiness of robotic solutions as these can reduce the cost, improve the quality and increase the safety of performing maintenance, inspection and cleaning activities.