JAN DE NUL CLEANS UP WITH GREENSTEAM

FOR IMMEDIATE RELEASE

Jan De Nul "cleans-up" with GreenSteam machine learning technology after extensive trials

Copenhagen, June 2019: GreenSteam ("GS"), the pioneer of machine learning for improved hull and efficiency performance in shipping, announces that Jan De Nul, a sector-leading provider of complex offshore services and dredging works, has chosen to deploy GreenSteam on its fleet of dredgers.

The project focused on reducing fuel costs and CO_2 emissions through improved understanding of the impact of fouling. A difficult task, given the broad variation of both offshore and near-shore projects that are encountered by Jan De Nul across the globe, including the impact of seasonal conditions.

Having worked together on the development of the GreenSteam Discover service, which uses a data-only approach to analysis, the two companies have worked together to ensure that high-traffic, near-shore areas and offshore areas can be analyzed to the same degree of granularity.

Jan De Nul's Pedro Alvares Cabal, one of the fleet using GreenSteam's vessel performance optimization services

Shaun Gray of GreenSteam said "This is another first for GreenSteam – performance optimization technologies have traditionally failed to address the needs of specialist vessels, smaller vessels and those operating near-shore. The GreenSteam machine learning technology is agnostic to sector, vessel size or location and can identify vessel, fleet and unique sector-specific insights.

"We have worked with Jan De Nul diligently since the introduction of the "Discover program" and could not be more pleased that this knowledgeable company, so committed to high environmental standards, is now able to utilise the service in its day to day operations and we look forward to working with them to further develop the insights and offerings"

Michel DERUYCK of Jan De Nul said – "We were very interested to understand what machine learning and its associated insights could mean for our business. In many of our projects, this

insight will help us to improve our environmental contribution and consequently differentiate Jan De Nul. Working together with GreenSteam underlines the commitment that Jan De Nul makes to reduce the environmental impact of its activities and to be an example for others working in the same industry"

"From the beginning we saw a granularity of data that we had not seen with legacy technologies. This enabled us to vary our operating procedures and costs in both directions – increasing cleaning cycles in some cases and reducing them in others, greatly assisting our opex and reducing our carbon footprint by less fuel consumption. We are currently working with GreenSteam to optimize our travel speed when moving between locations. In the future, we will gain real insight into other aspects of the performance of the hull, in particular the true performance of coatings and the deployment of energy saving devices."

About Jan De Nul Group

Design. Build. Connect. Jan De Nul Group shapes water and land worldwide. From complex offshore services for both fossil and renewable energy sectors, over large dredging and reclamation projects at the edge of water and land to all possible civil and environmental works on land.

Well integrated competences and investments lead to creative, sustainable and innovating solutions. This way Jan De Nul Group meets the customers current and future wishes. – www.jandenul.com

Notes to the editor:

About GreenSteam.

GreenSteam is a marine data intelligence company specializing in improving vessel efficiency through machine learning. GreenSteam implements solutions on vessels of all types.

Founded in 2007, GreenSteam is located in Denmark, United Kingdom and Poland, and currently employs 40 people.

GreenSteam is majority owned by BP/Castrol.

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