



Slob Shipyard, Duurzaamheidsfabriek and Systems Navigator partner to develop a Digital Twin

DELFT; May 10, 2019 - Slob Shipyard, the Duurzaamheidsfabriek and Systems Navigator are proud to announce their partnership to develop a Digital Twin for the Slob Shipyard.

This Digital Twin of the yard process will allow Slob to analyze and quantify the effects of current and future process improvements. It will also enable Slob to debottleneck the manufacturing process from the receipt of steel until the hull gets painted and leaves the yard. Overall, the Digital Twin will allow Slob to analyze how a production plan will develop based on the most recent actual data. It will also assist Slob in dealing with the continuous plan changes that characterize Slob's process.

According to Scheepswerf Slob: "In our business we often rely on gut feeling when we make planning decisions". We would like to have the capability to reliably predict and quantify the effect of changes in the plan. It is of key importance to be able to deal with the changes in the plan, since that is what sets apart Slob from its competition. "I believe a Digital Twin of our Yard will help us to maintain our flexibility whilst reducing costs and throughput time" stated Arjen Dekker, Scheepswerf Slob Managing Director.

On Systems Navigator side: "We are delighted to be working with the world leader in building steel hulls and complex integrated deckhouses and to develop a state-of-the-art Digital Twin of the whole yard process" states Vincent de Gast, Systems Navigator Director. This project is perfectly aligned with our strategy to developing Digital Twins of integrated systems. A Digital Twin is typically created of a single machine in a factory instead of an integrated process. Systems Navigator aims to become the world leader in developing integrated Digital Twins.

"As Innovation Manager for the Sustainability Factory, I am proud that I paved the way to a great partnership between two outstanding companies in their own respective markets." states Daniel Wortel. The Sustainability Factory guides this project and has an advisory role, allowing the project to benefit from the Digital Twin and process knowledge. Through its position within the regional Fieldlab Network SMITZH, the Sustainability Factory has also been able to attract additional funding, enabling the partners to create the space within their businesses to pioneer with this innovative project.

About Scheepswerf Slob

Scheepswerf Slob has been building reliable results from the modern shipyard in Papendrecht for decades. The tailored-made hulls form the basis for the world's most beautiful and luxurious yachts. Slob's yard specializes in shipbuilding activities for large yachts. The core tasks consist of drawing and producing steel structures, including the installation of technical equipment.

Scheepswerf Slob has around 185 enthusiastic and skilled employees. They work together to achieve a beautiful product and to offer the best service. Every day they are committed to delivering the high quality that goes without saying in this segment.

About de Duurzaamheidsfabriek

With its unique dynamics and facilities, the Duurzaamheidsfabriek offers room for innovation and lifelong development. Companies from the region and beyond are closely involved with the factory and use the facilities to train their employees, for knowledge sharing and meetings and as an inspiring setting for their innovative projects. The intensive collaboration with education - the Duurzaamheidsfabriek is, among other things, home for the Technology and Media sector of the Da Vinci College and the Instrumentation and Control Engineering course of HBO Drechtsteden - ensures the securing of new knowledge and a new generation of professionals who will be ready to give substance to the jobs of today and tomorrow.

About Systems Navigator

Systems Navigator is an independent consultancy company based in Delft, The Netherlands. Systems Navigator specializes in the design, development and implementation of planning, decision support and digital twin solutions based on operations research technology. Our expertise relies on the use of both discrete event simulation, as well as optimization for decision support models that can predict future system performance. Additionally, Digital Twin systems can be used for operational decision making and/or planning and/or scheduling. Systems Navigator successfully delivered over 250 simulation projects specializing in capacity studies in port operations and waterways.

To learn more about Digital Twins or Systems Navigator contact our office at +31 15 750 1030 or [email](#).



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