



PRESS RELEASE

CSP Spain to support DSP and TALUMIS in the development of a digital twin of the Terminal

Lugano, Switzerland, the 21st January 2021

Cosco Shipping Ports (Spain) Valencia Terminal at the side of DSP and TALUMIS will cooperate to build a digital twin of the terminal to support daily operations decision and optimise processes and use of equipment.

CSP Spain is a leading maritime terminals operator in Spain with interest in Bilbao and Valencia, Madrid and Zaragoza. CSP Iberian Valencia Terminal is the leading terminal in the Mediterranean thanks to its strategic position, the proximity to the Suez-Gibraltar axis and for being the Maritime gate of Spain.

Ivan Deosdad, Director of Projects CSP Spain and Ignacio Huet, IT Director CSP Spain: *"With this partnership, we see an excellent opportunity to remain at the forefront on a technological level. Thanks to new technologies, digital twins will revolutionize the way container terminals make decisions, offering operational efficiency, managing high volumes of data and avoiding dangerous situations, which will lead to safer and more efficient decision making, increasing the overall performance of the terminal".*

As a general strategy, **DSP and TALUMIS finalised an important partnership agreement to develop and market together innovative vertical software solutions in the area of simulation, emulation, predictive analysis and artificial intelligence for the Container Terminal industry** to support operators in their daily operational decisions.

"Another big step ahead for the DSP Group, says Giambattista Ravano, Chairman of DSP, the agreement with TALUMIS is extremely important for our industry because it establishes an alliance

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that strengthens our ability to develop advanced technology in the sector and the endorsement of CSP Valencia tells us that our vision is going in the right direction."

"We have the will to grow and to represent a beacon for technological innovation in container terminal management." declares Marco Fehmer, CEO of DSP and Chairman of DSP LAB, "Digitalization is a tool, not the result. We aim to provide concrete solutions to daily problems and enable terminals of any size and operations mode with the latest technology."

Steven Hamoen, CEO of TALUMIS calls the partnership *"An ideal opportunity. It aligns perfectly with our knowledge and knowhow and builds upon our planning, scheduling and simulation applications that are already being used worldwide. This cooperation creates a perfect synergy, enabling the generation of operational tools for optimization in the terminal business."*

TALUMIS engineers and mathematicians and DSP specialists in automation and terminal operations will focus on three particular areas: Forecasting (Digital Shadow – the calculation model based on existing data), Simulation Model (Digital Mirror- manually support to terminal operations) and Automated optimization (Digital Twin- run the optimizing again when new data is available).

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DSP

DSP Data and System Planning (DSP) provides IT solutions and consulting services related to TOS (Terminal Operating System) all over the world, making the most of its know-how in information technologies applied to the maritime transport sector, to the port sector, management of container terminals and intermodal transport. DSP offers project management and consulting services for process optimization and automation, commissioning and upgrade of Terminal operational management systems, training, integration, testing and develops customized business intelligence, billing and pricing management systems. DSP has been a certified partner of NAVIS, part of the Cargotec Group, since 2007 and covers all the implementation, maintenance and customization services of the TOS N4 product.

DSP together with his partner Ideal Tech Lab has founded in 2020 DSP LAB, Chennai, a technology accelerator for ports and logistics.

TALUMIS

TALUMIS BV, based in Huis ter Heide, The Netherlands, is active since 2003 providing discrete event simulation modelling and analysis services specializing in logistic analyses and optimization for a wide range of customers and industries (among other Shell, Philips, Unilever, Tesla, DHL) and has solutions for interactive web-based decision support systems like, planning, scheduling and simulation scenario management.