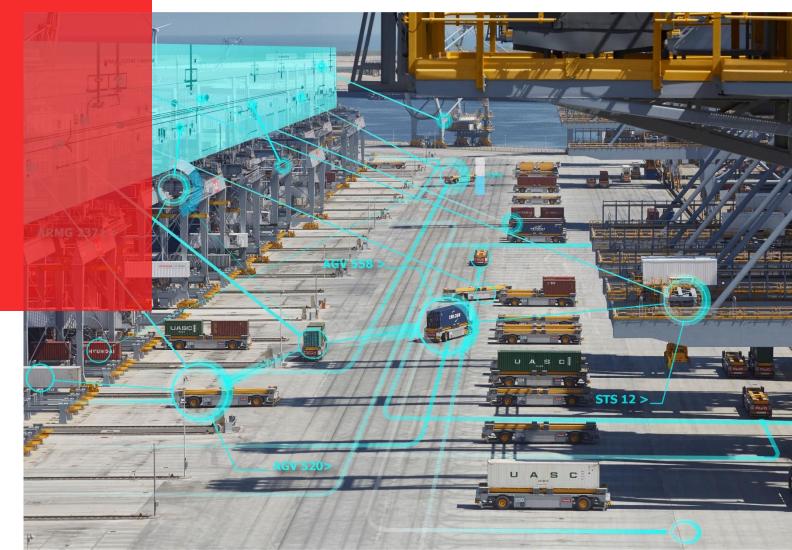
# Experiences and expectations about IDS in industrial environment

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# KONECRANES® Lifting Businesses™



### A technology company

Konecranes is a global industry-leading group of Lifting Businesses<sup>™</sup>. Everything we do is targeted at one goal: improving the safety and productivity of our customers' operations.



## Product offering examples

Konecranes S-series



Konecranes M-series



**Automated RTG** 





### Solutions to lifting businesses



**Smart features** 

Safety Reliability Ease of use Cost-efficiency



**Smart service** 

Transparency Speed Digitalization Predictive



Smart products

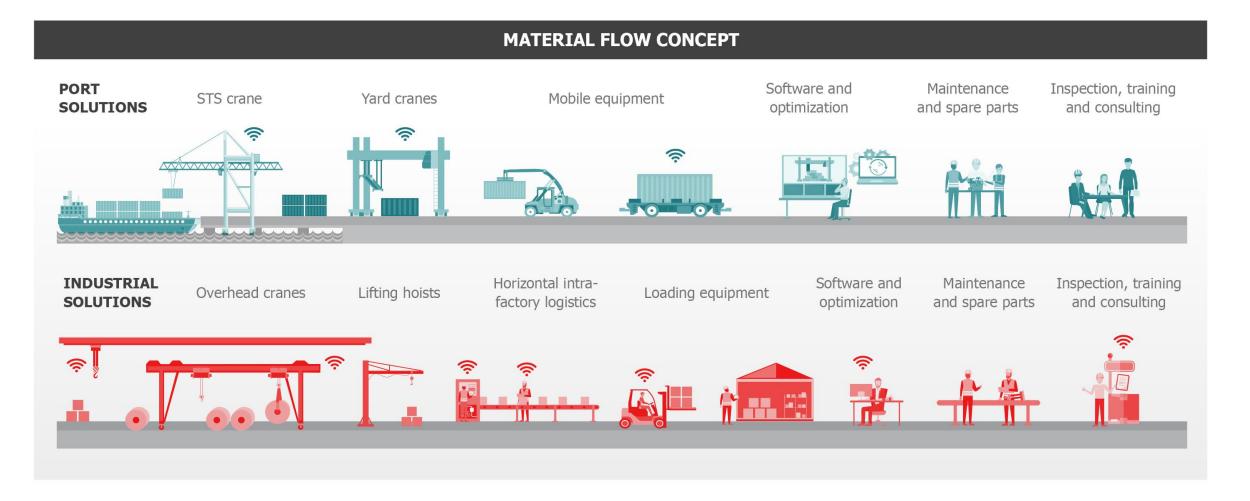
Adaptability
Predictability
Process-awareness
Connectivity



Smart systems

Optimized performance
Artificial intelligence
Machine-to-machine integration
End-to-end efficiency

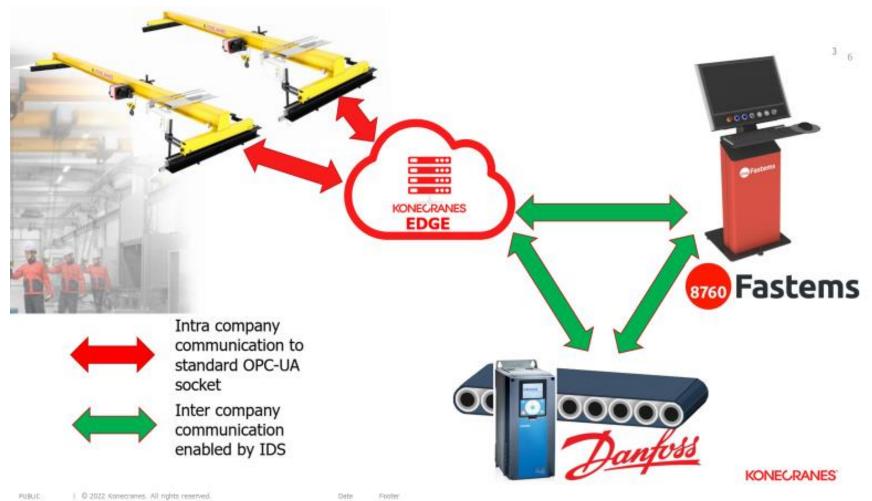
### Our strategy





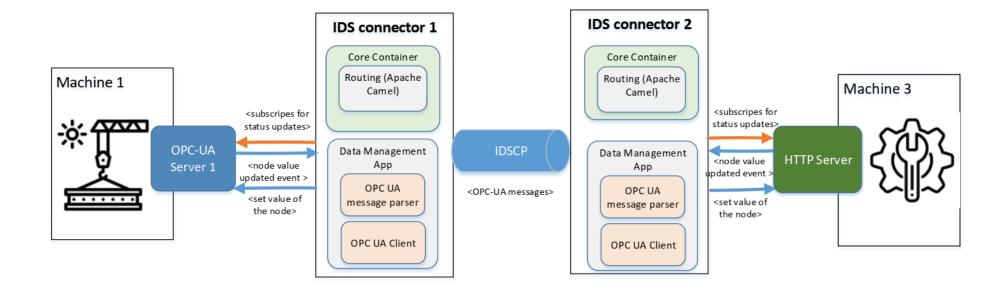
### Smart factory experiment

Test IDS in real environment to collect direct understanding of technology and its abilities and limitations





### Smart factory experiment and IDS in there



### Smart factory demo

Video about the demo

https://youtu.be/grrt4oW\_mes



InDEx final results seminar presentations are available below as pdfs and video links.

Fastems pdf and video

<u>Danfoss pdf</u> and <u>video</u>

Raute pdf and video

<u>Konecranes pdf</u> and <u>video</u>

Prima Power pdf and video

HT Laser / Elekmerk pdf and video

Smart factory (Konecranes, Fastems, Danfoss) video available here.

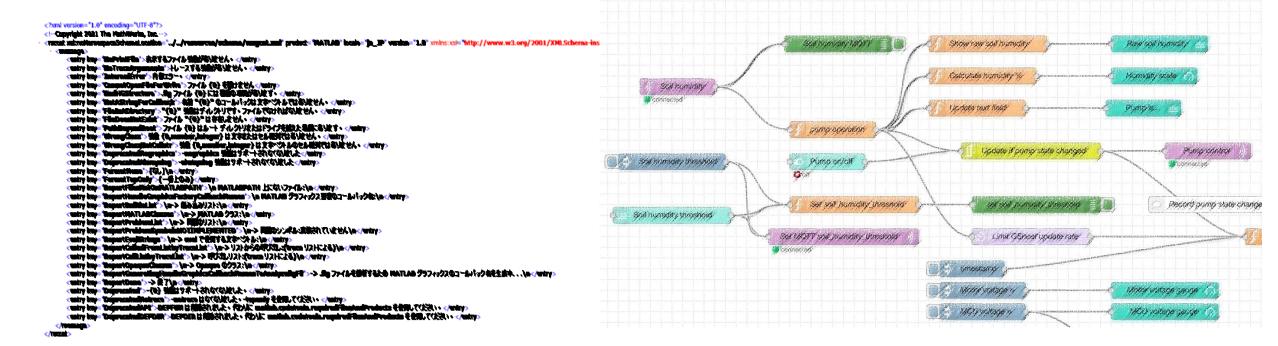
IDS (International Data Spaces) in Smart Factory Experiment, VTT pdf\_and video

University of Turku pdf video

Gaia-X Finland at InDEx seminar pdf\_and\_video



Now Future





### **MATERIAL FLOW CONCEPT** Software and Maintenance Inspection, training **PORT** STS crane Yard cranes Mobile equipment **SOLUTIONS** optimization and spare parts and consulting **INDUSTRIAL** Horizontal intra-Software and Maintenance Inspection, training Overhead cranes Lifting hoists Loading equipment **SOLUTIONS** and consulting factory logistics optimization and spare parts



NOT JUST LIFTING THINGS, BUT ENTIRE BUSINESSES