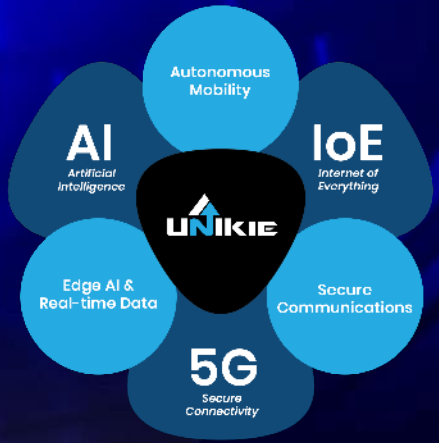
Petri Kalske
Head of Industrial solutions
+358 400 63 8880
petri.kalske@unikie.com

WE ARE UNIKIE



Technology for secure realtime processes and consulting for related demand.

We bind together three global macro trends – IoE, 5G and AI .

We enable the use of **continuous situational awareness** for autonomous mobility, **augmented operational assistance** , and process management.

GOALS 2024

REVENUE 100+ M€ **1000+ EMPLOYEES**

BUSINESS UNITS

AUTOMOTIVE & MOBILITY

INDUSTRY 4.0

SECURE COMMUNICATIONS

44 M€
REVENUE (2021)

468
EMPLOYEES (2021)

180+
CLIENTS GLOBALLY

60+
EMPLOYEE NET PROMOTOR SCORE

Finland (HQ), USA, Germany, Sweden, Poland, Estonia, France

UNIKIE

COMPANIES WE WORK WITH

AUTOMOTIVE & MOBILITY

BMW, Ford, Audi, Mercedes-Benz, sfara, Volvo, Rivian, KTM, HaleyTek, FARA, CARIAD, Porsche, Jaguar, Land Rover, Toyota, Renault, Valeo, Bosch

INDUSTRY 4.0

EDGE AI & REALTIME DATA

Euroports, Port of Gävle, Sandvik, Ponsse, Kalmar, Valmet, Patria, st1, Fintraffic, Rauman Satama Port of Rauma, Buster, parc, Cardinal Glass Industries Inc., Logos Imaging, M-Files, kaliber.ai, Haahtela, K, S-Ryhmä, nets, Certego, Yliopiston Apteekki, OP, sanoma, sanoma pro

SECURE COMMS

Nokia, hmd., iZZi telecom, Ericsson, Huawei, digital14, CoreHW, Arint, du, Atos, interop Technologies, Qualcomm, Altan Redes, KSAT, TII Technology Innovation Institute, synchronoss, Teleste, telenor maritime, ECO

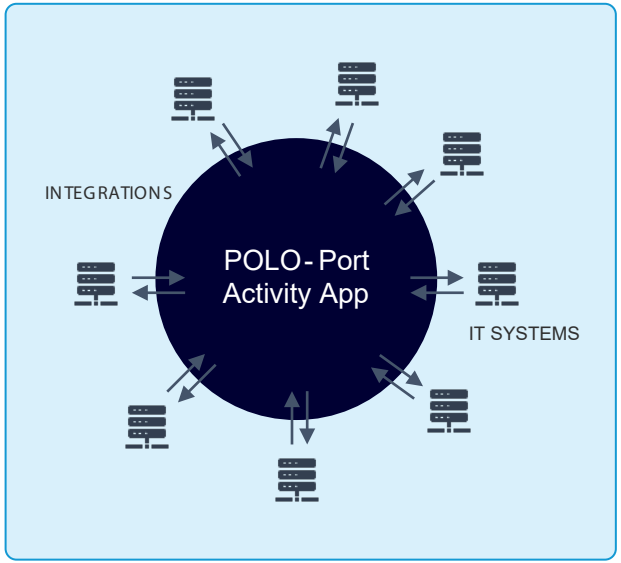
EXAMPLES OF PORT AND MARITIME ECOSYSTEM PARTNERS AND CUSTOMERS

Ports, Port Authorities, Officials

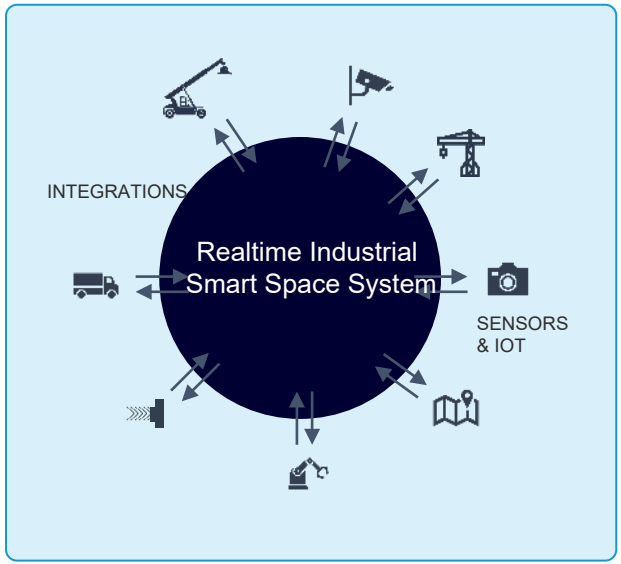
Shipping companies, Operators

Technology & machinery providers

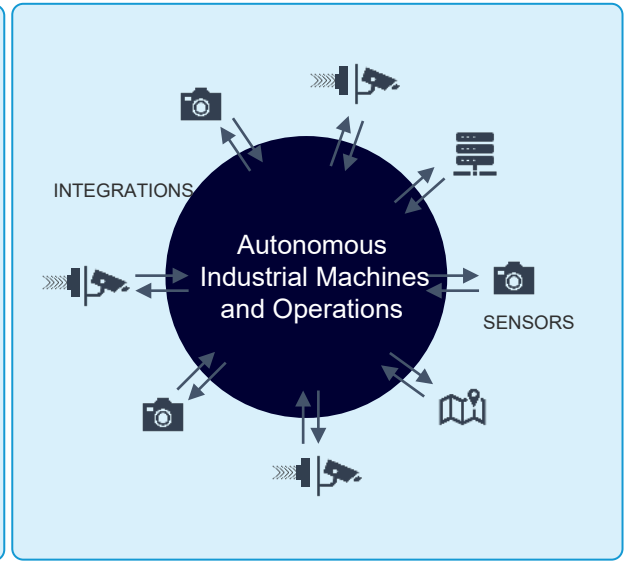
SITUATIONAL AWARENESS AND AUTOMATION SOLUTIONS



- Integration Based Situational Awareness
- Collecting, visualizing and sharing data
- Community and planning tool

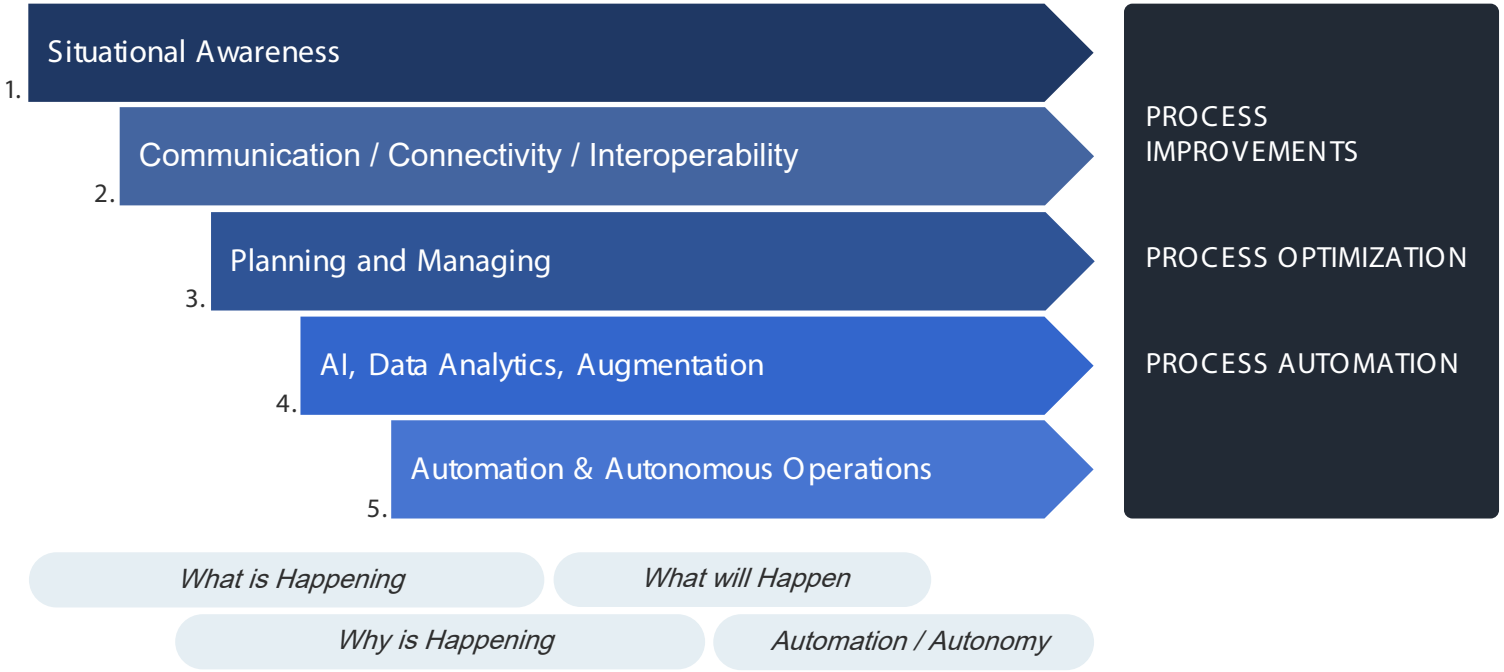


- Sensor based Situational Awareness
- Real Time Digital Twin
- IoT, Machine Vision, AI, Augmentation



- Automation and autonomous driving
- Machine Vision, AI
- Control Hub, Fleet management

SITUATIONAL AWARENESS IN DIGITALIZATION PROCESS



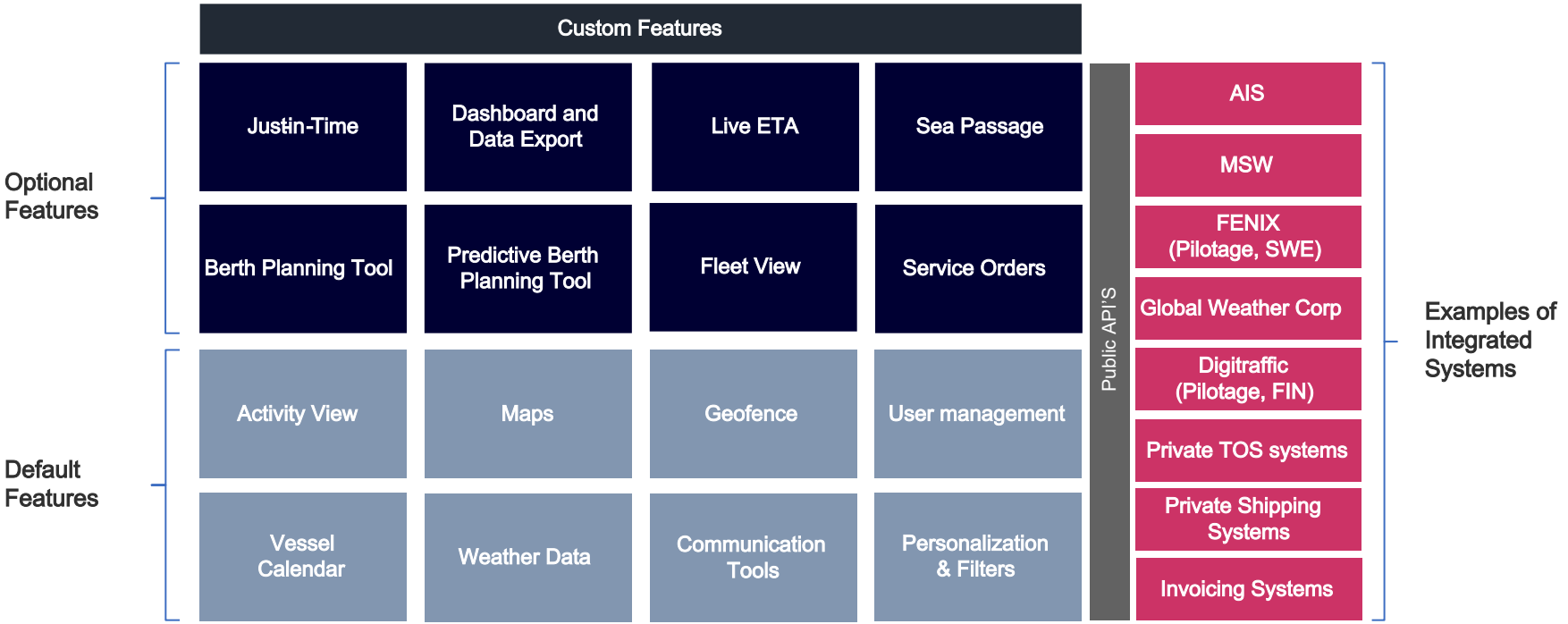

POLO
Port Activity App

UNIKIE POLO – VIRTUAL OPERATION ROOM

Platform for data collecting & sharing, enhanced collaboration, common situational awareness and planning

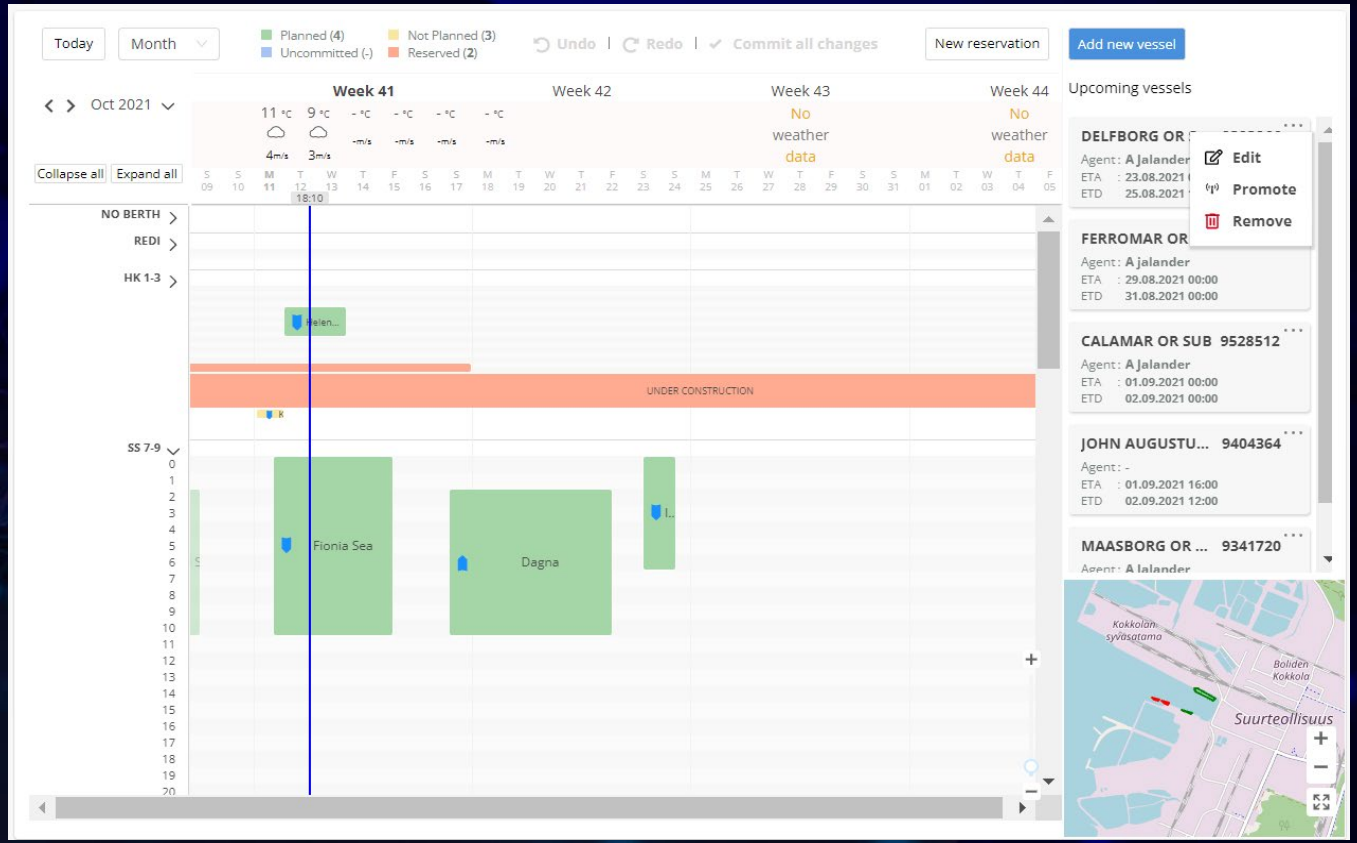
- **Virtual operation room** for port operations. Replaces complicated and manual port flow processes with automated and digitalized processes.
- Creates**one centralized place for up-to-date Situational Awareness data,** offers full visibility to operations, processes and schedules
- Integrates and improves existing systems and data sources, both public and private
- Works in port and between ports

POLO KEY FEATURES

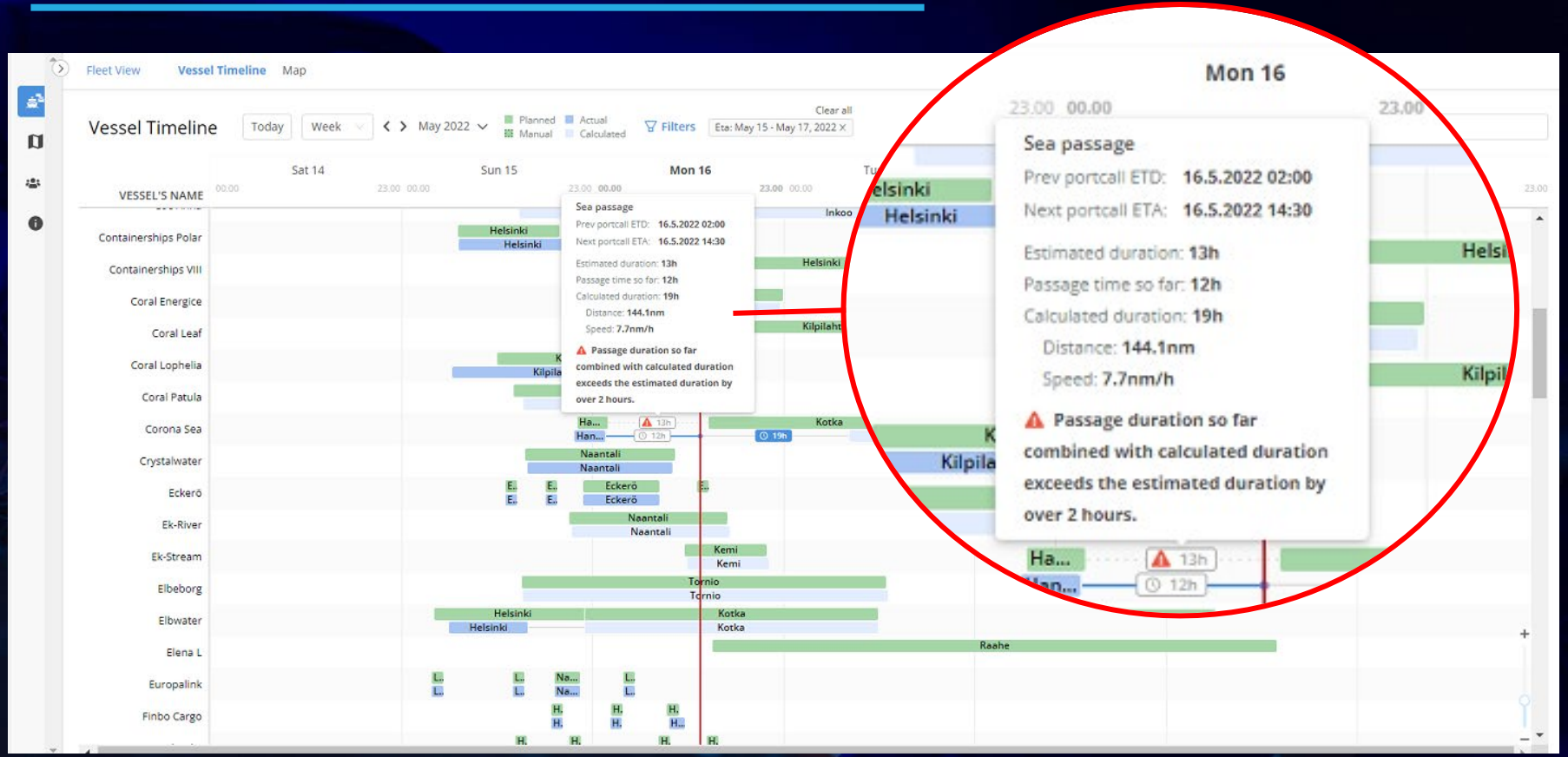


UNIKIE POLO – FROM PORTS TO PORTS

EXAMPLE OF BETTER PLANNING OF OPERATIONS



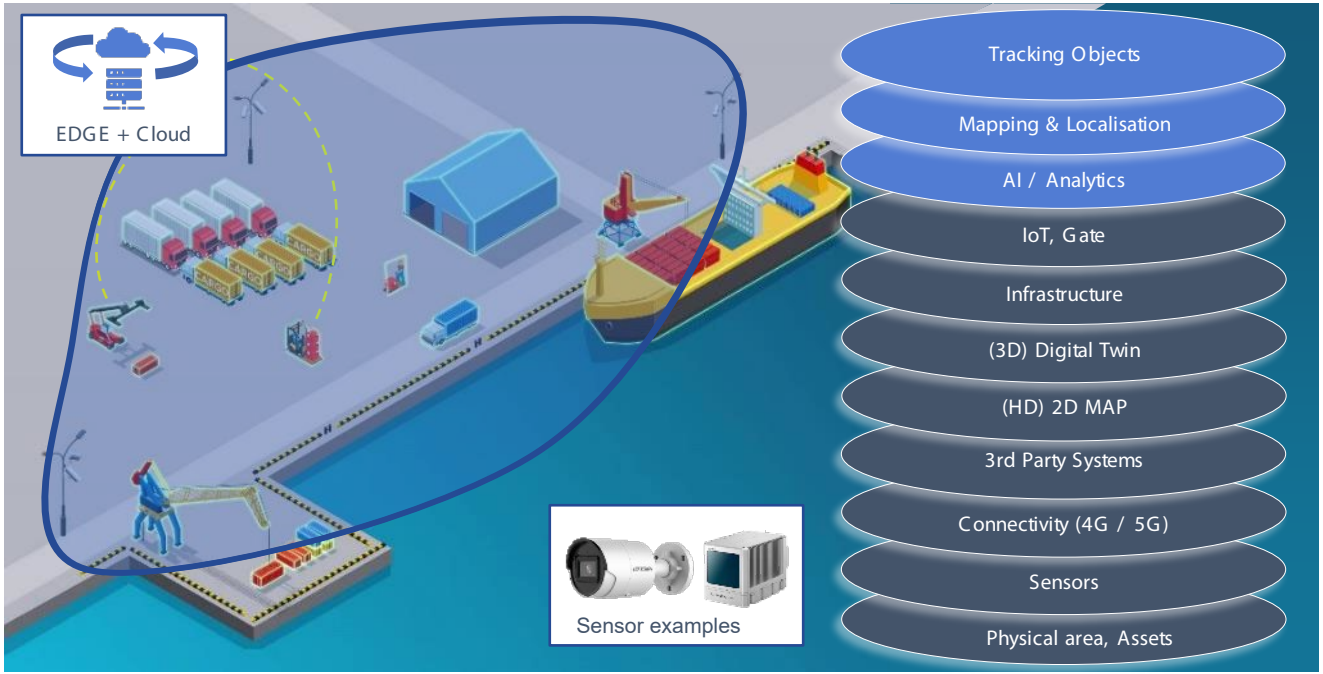
EXAMPLE OF BETTER VISIBILITY TO OPERATIONS



SMART SPACE

For Ports, Logistics and Industrial Yards

SMART SPACE – SENSOR BASED REAL TIME SITUATIONAL AWARENESS



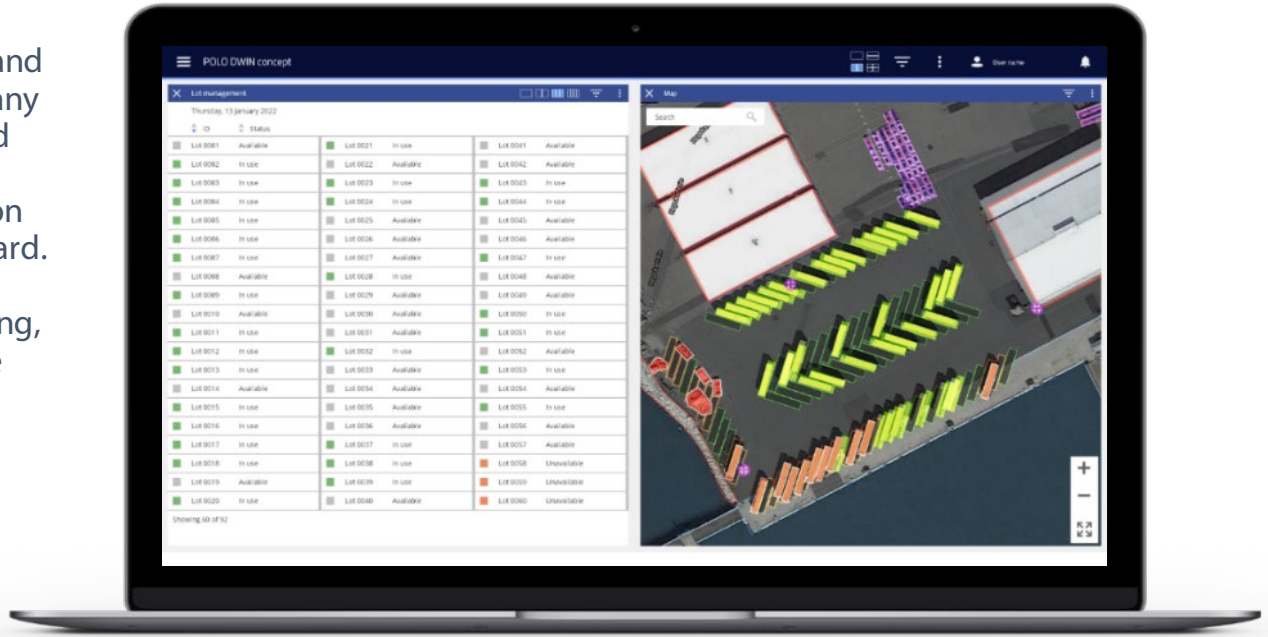
What: System is tracking everything, all objects whether moving or static in the area, and creates a real time map and digital twin. Collects statistical data for dash boards and data analytics, AI and Neural Networks

How: Area fully covered with sensors located in infrastructure and machines. Computer vision data is processed locally in real time, results presented in UI and stored in cloud for data analytic purposes

DWIN SMART SPACE CASE EXAMPLE: SMART PORT

System is detecting trailers and parking lots. It also detects any other objects in the area and creates real time situational awareness, visualize status on the map and on the dashboard.

Data can be used for planning, invoicing and utilization rate analysis.

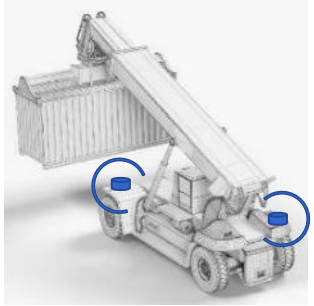


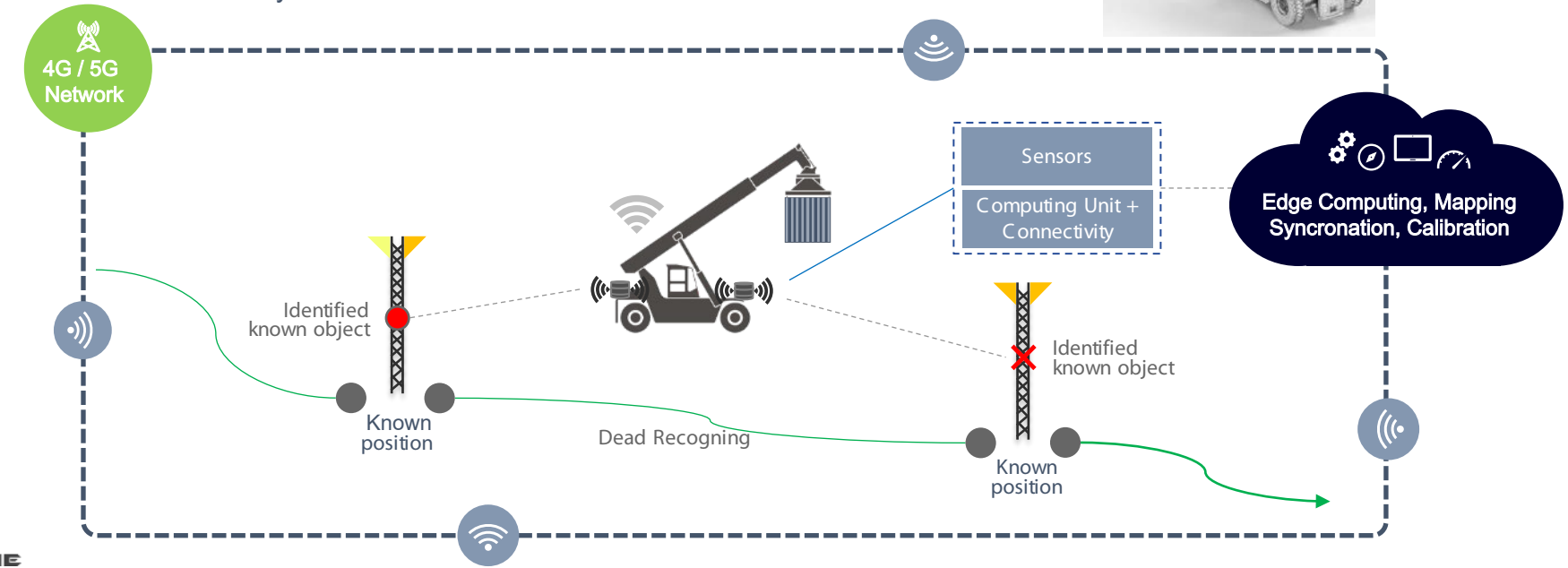
SMART SPACE CASE EXAMPLE: CONTAINER TRACKING

What: Capability to locate and track any moving object without GPS signal

Why: lack of location, position and status data of machines, vehicles and cargo. Time, fuel and money is spent for unnecessary manual processes, driving and waiting.

How: Combining various sensors, machine vision, AI technologies, connectivity and EDGE architecture





EXAMPLES OF AUTONOMOUS SMART SPACE: PRODUCTION SITE LOGISTICS

What: Routine drives, on-site transit drives, and last mileage transportation can be automized even with retrofit to existing fleet

Why: cost savings,increasing productivity and security, and decreasing material damages and emissions

How: Infrastructure centric autonomous driving. Smart Space, fleet management, connectivity and autonomous driving

Petri Kalske
Head of Industrial solutions
+358 400 63 8880
petri.kalske@unikie.com