



JOIN THE DIGITAL INTRALOGISTICS

CHANGER IN INTRALOGISTICS WITH DIGITAL TWINS.

Awarded
by



Deloitte.



It is a capital mistake
to theorize before one has data.

- Arthur Conan Doyle
Author of Sherlock Homes



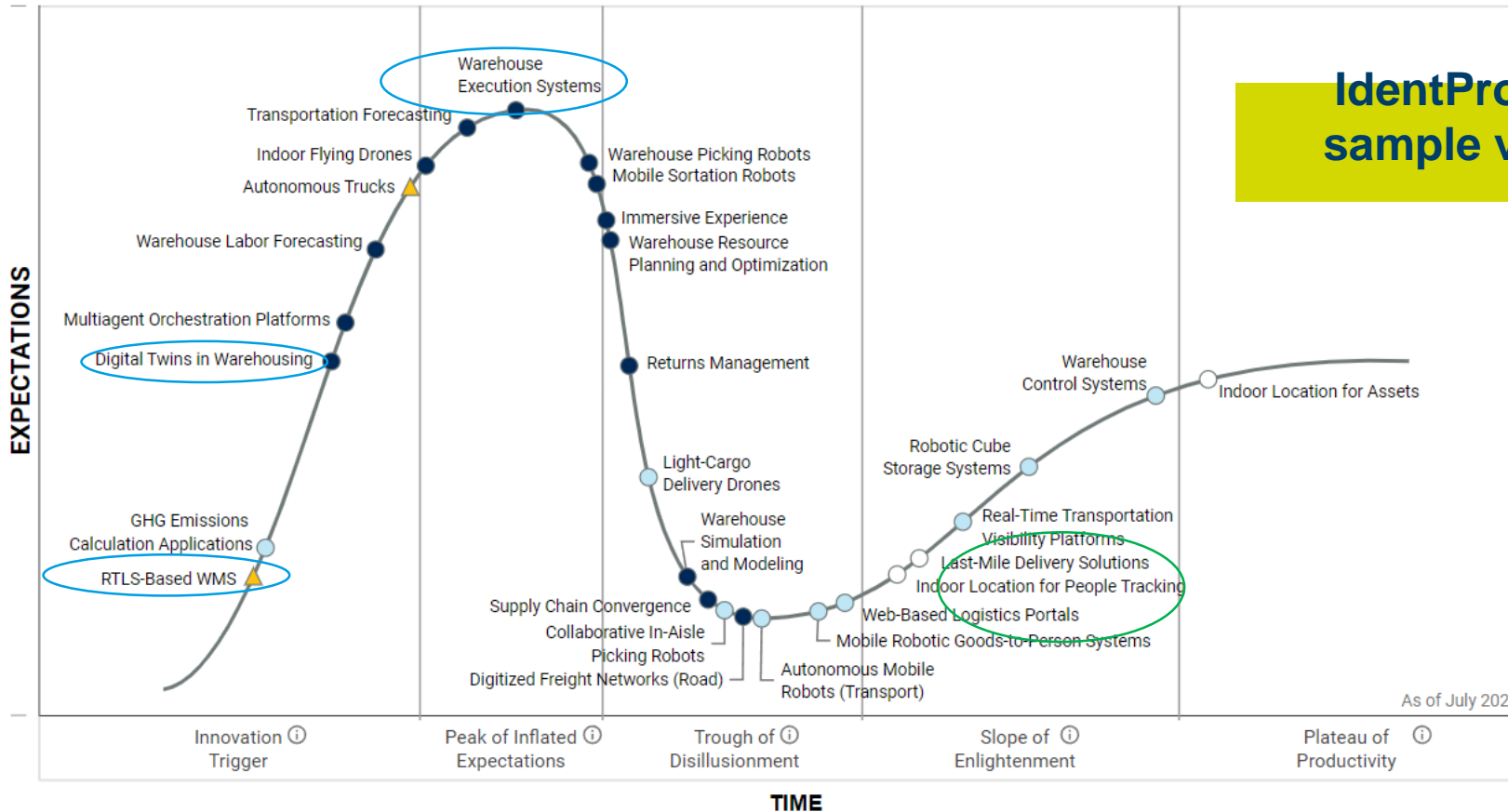


By 2030, all global supply chains will be visible by RTLS* based digital twins powered by smart factories

RTLS*: Real-Time Location System

Truth of inventory data

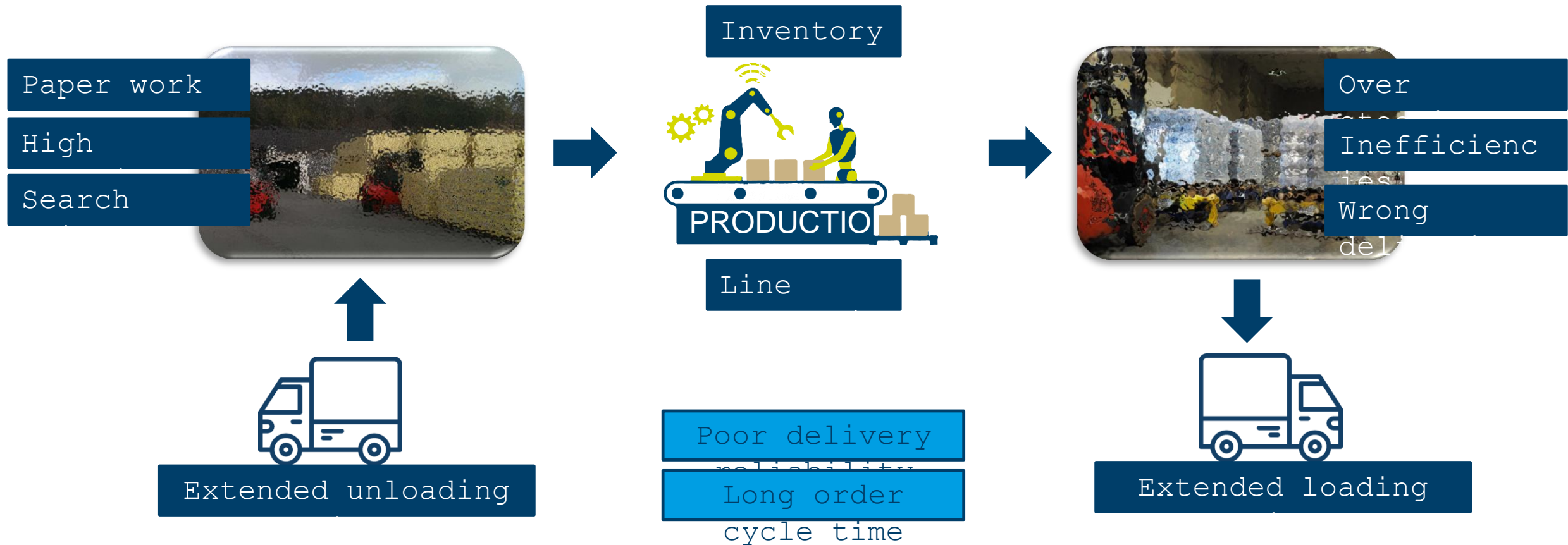
JUST BEFORE THE PEAK, THE NEXT FEW YEARS WILL DRIVE THE DEVELOPMENT FOR DIGITAL TWINS IN WARHOUSING MASSIVELY.



IdentPro is selected by Gartner as a sample vendor for RTLS-based WMS second time. ¹

¹Hype Cycle for Supply Chain Execution Technologies, 2022/23

The reality of most manufacturers in intralogistics



Innovation-Trap: Scanning

The very first barcode scanned was for a pack of Juicy Fruit in Troy, Ohio on June 26, 1974. The pack of gum and its receipt are now on display at the Smithsonian Institute.

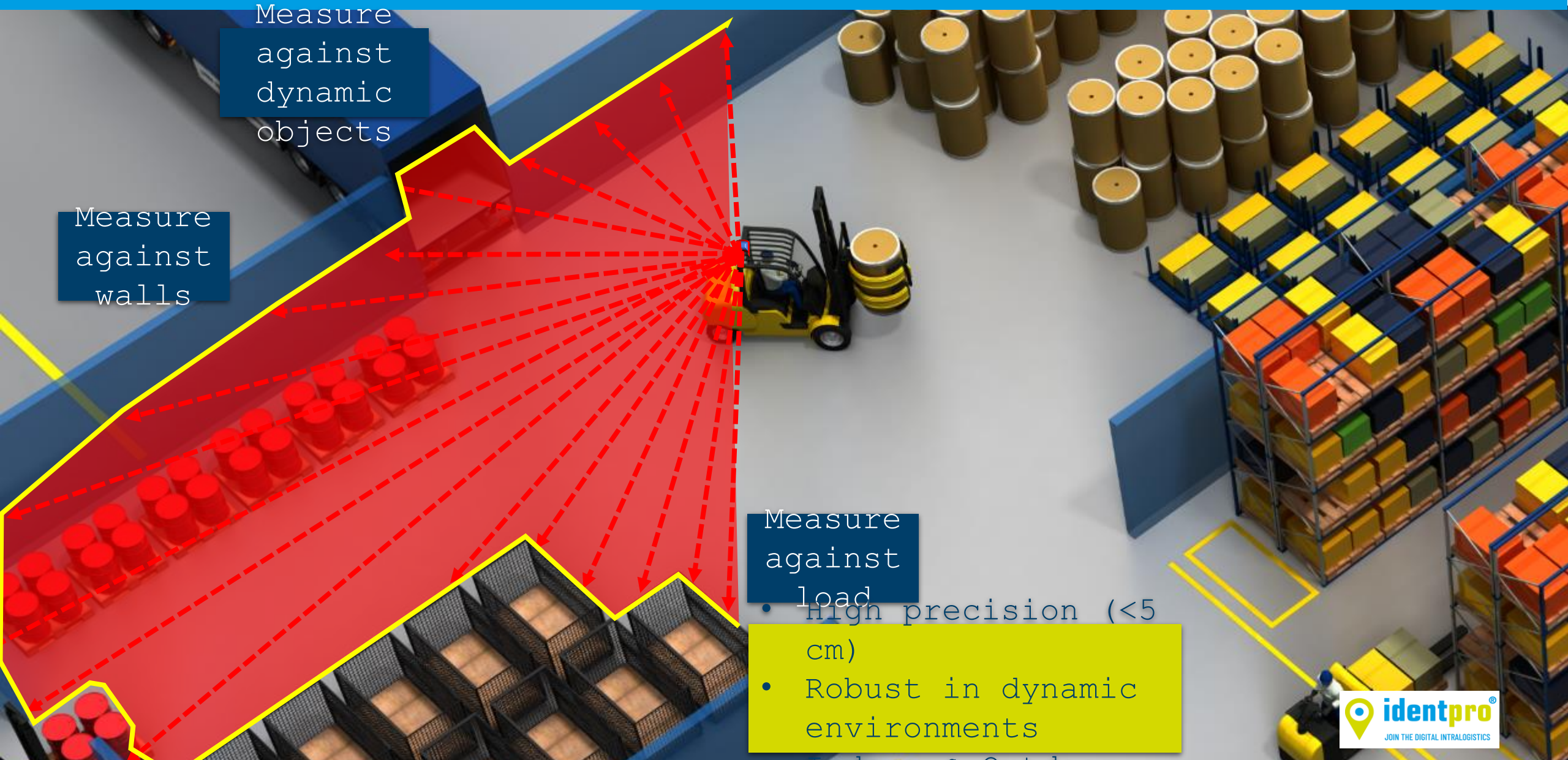


GAME CHANGER:

RTLS of transport
vehicle
&
Data ID of handling
unit.



Principle of IdentPro Localization



Measure
against
dynamic
objects

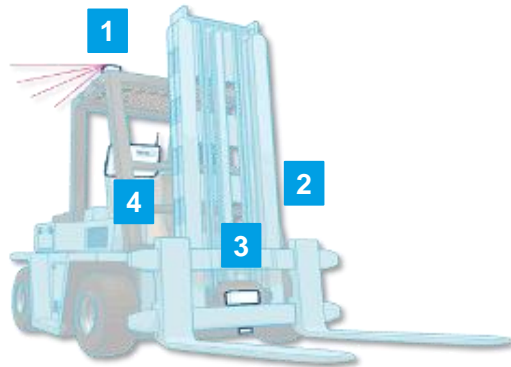
Measure
against
walls

Measure
against
load

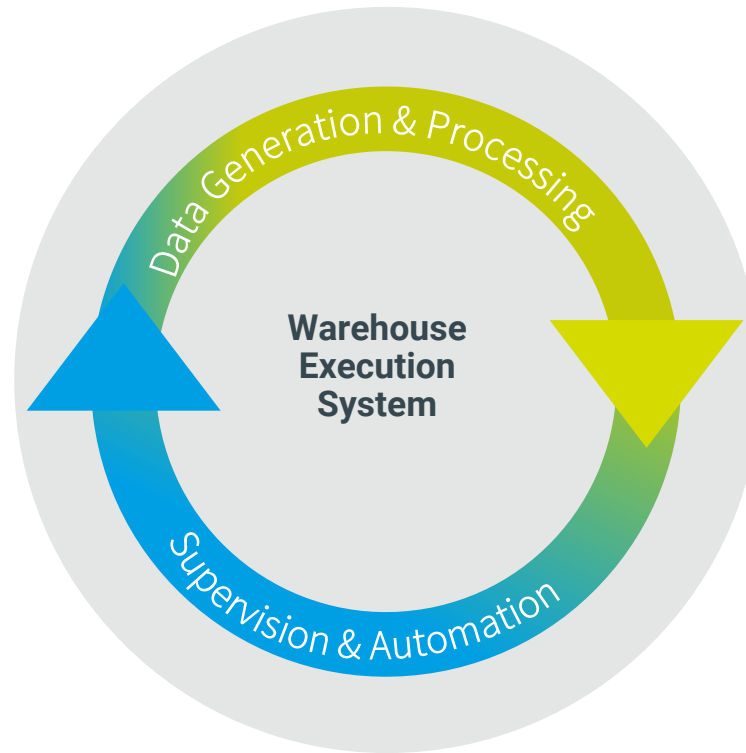
- high precision (<5 cm)
- Robust in dynamic environments

OUR **SOFTWARE-AS-A-SERVICE (SAAS)** APPROACH ALLOWS QUICK RETURN ON INVEST IN BROWNFIELD APPLICATION

SMART Forklift



- 1 **LiDAR Sensor**
- 2 **Height Sensor**
- 3 **Cargo Sensors**
- 4 **Driver Terminal**

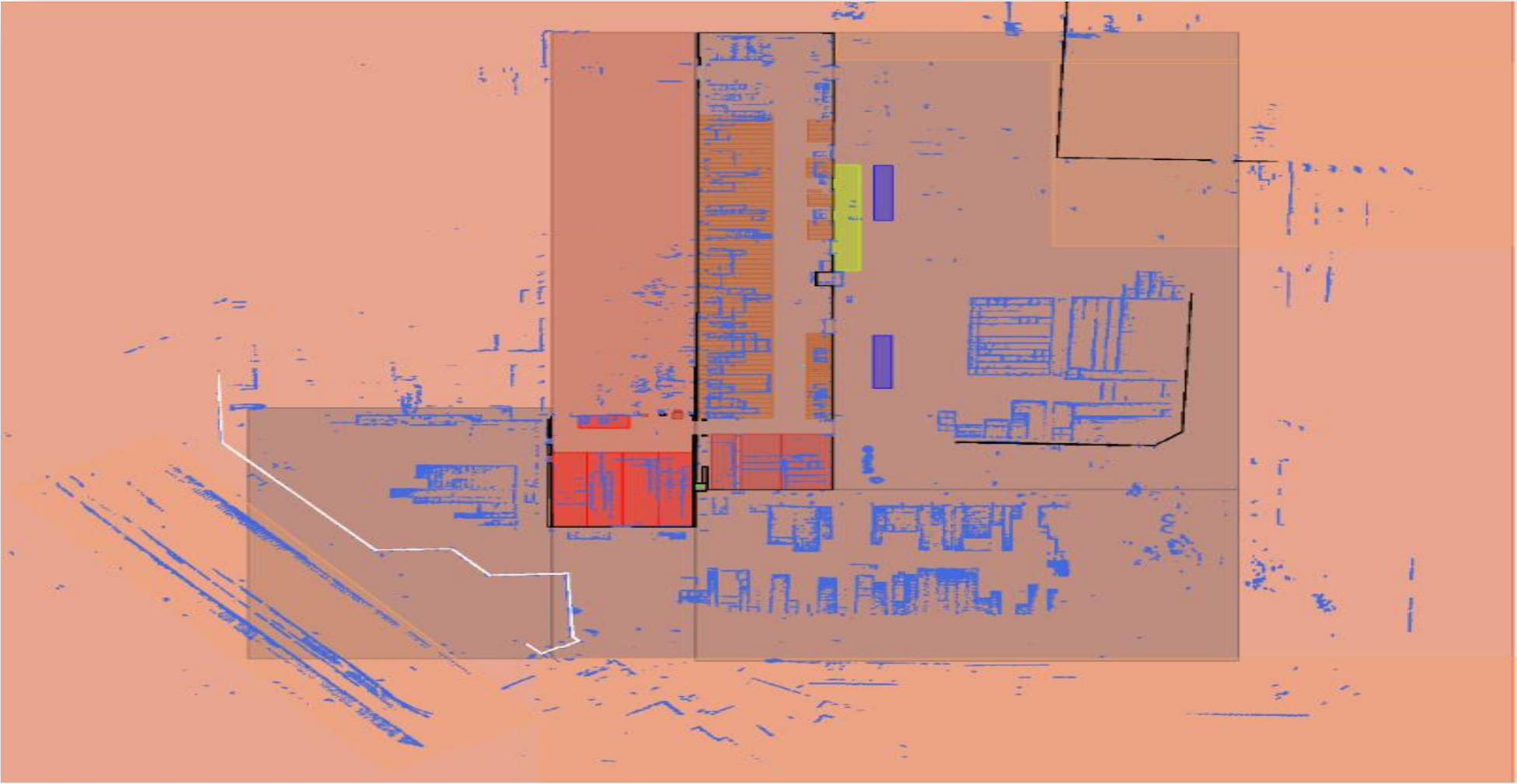


Results

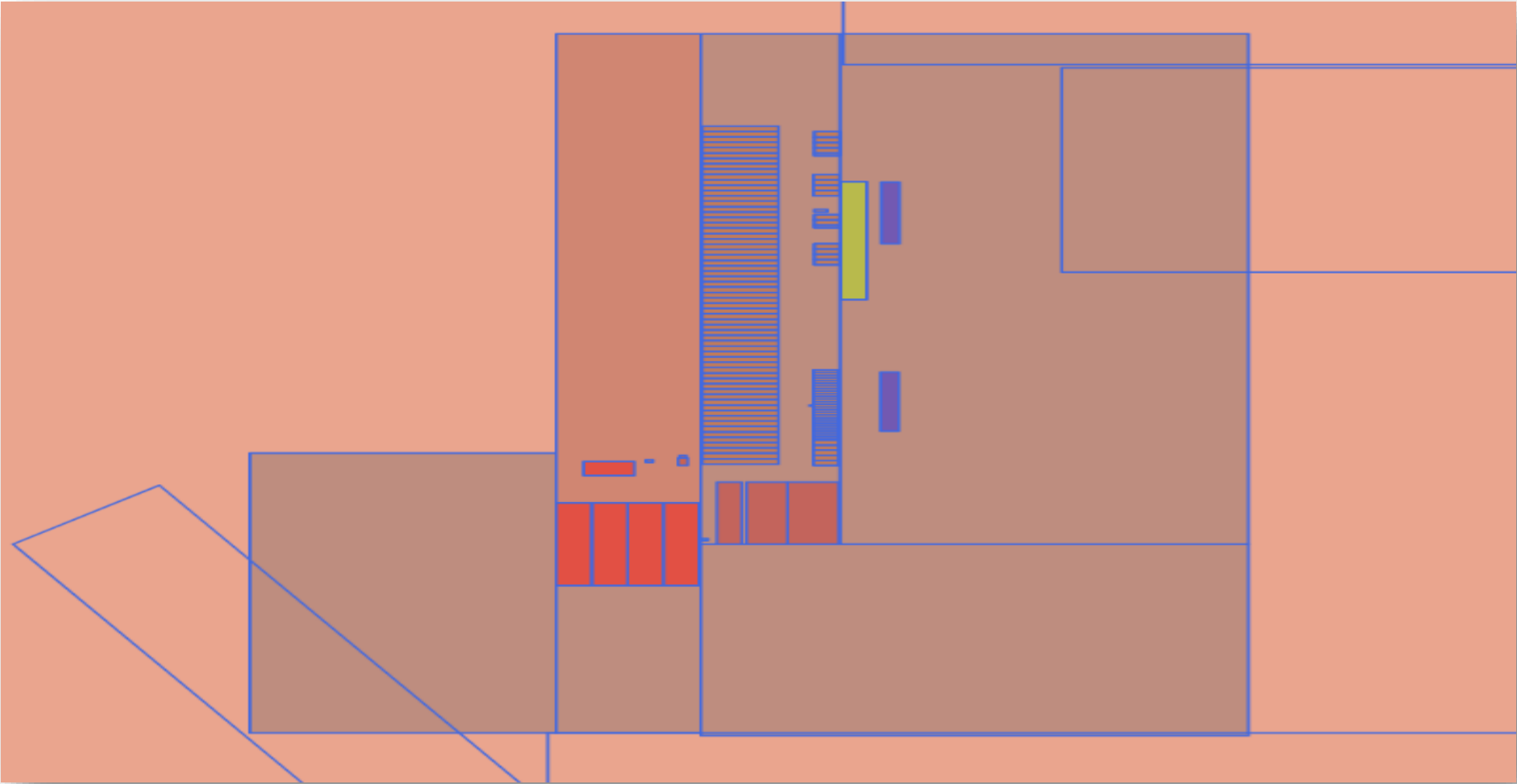


- 1 **Truth of Data - Real-Time**
- 2 **Warehouse Process Automation**
- 3 **Intelligent Transport Optimization**
- 4 **Annual Savings less than costs**

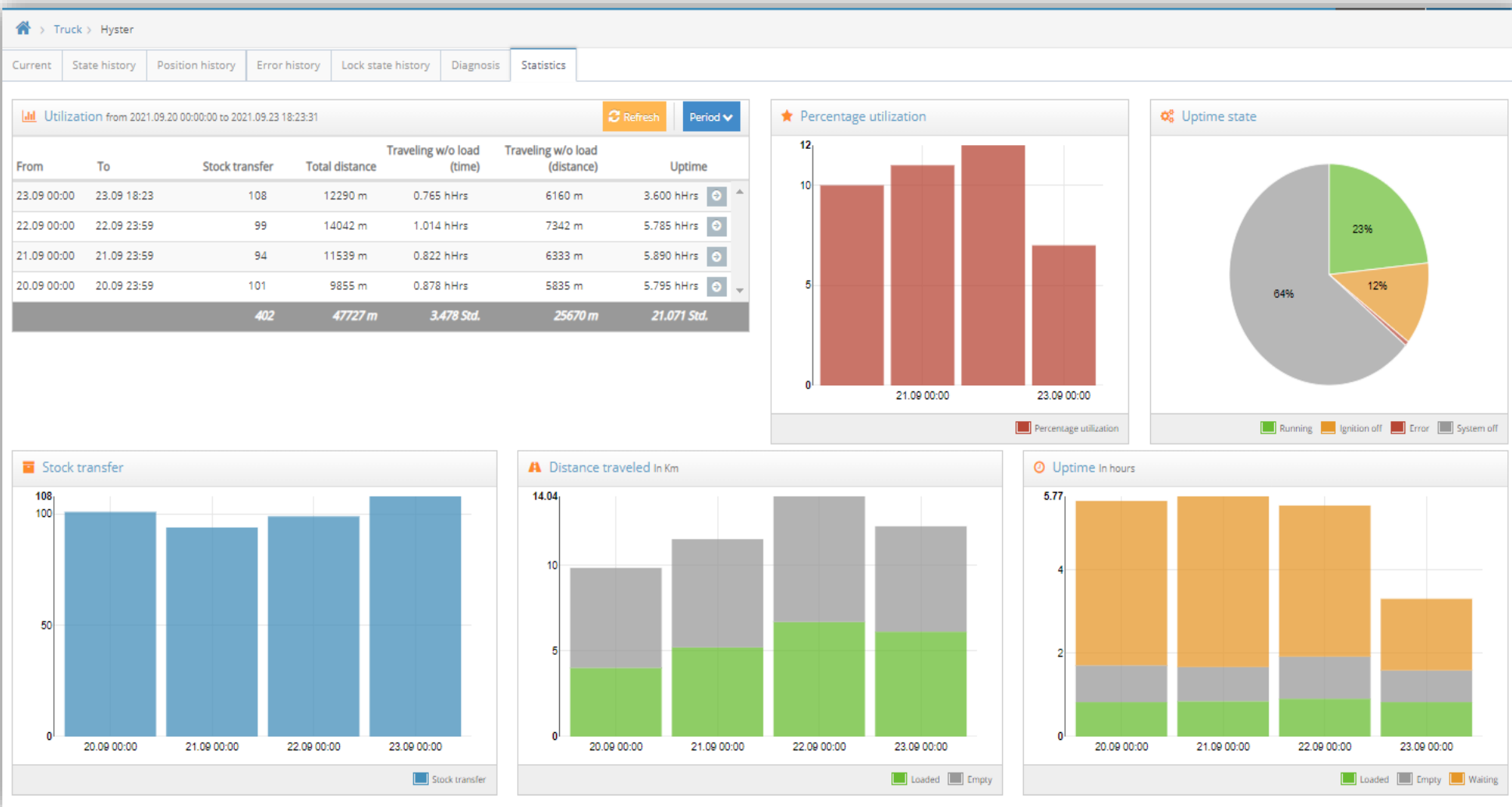
Laser Map



Clean picture for Driver and Manager



Management Info



What do we track



Proven and trusted technology



Huhtamaki



SCHÜTZ



50 years ela[container]



KPI analysis by E&Y*

- 20-30% Savings of internal transports due to no searching a
- 10-20% of year end write offs will be avoided
- 10-30% less planning effort
- 5-10% reduced stock
- 1-2% revenue increase due to satisfied customers (OTIF up)

By 2030, all global supply chains will be visible by RTLS* based digital twins powered by smart factories

RTLS*: Real-Time Location System



antier
Decentralizing the World

Unlock The Power of **Metaverse** - the future



The Digital Twin visualized in Virtual Reality



Storage of ELA Container (Haren, Germany) Drone-Video



Calculated VR by processed sensor data taken from liftruck

AI driven API¹ Integration Will Power The Metaverse²



1: Application Programming Interface

2: By Joost De Bot, Vice President and General Manager, Jitterbit EMEA

Siemens, NVIDIA to create industrial Metaverse*



* By Jennifer L. Schenker; The Innovator

Jan. 2022;C&T RF Antennas Inc.: What is industrial Metaverse



Do not get lost
on the way to
transparence

*Global Supply Chain
visibility*

*SMART
Factory*

*Data Interface
middleware*

*Applicatio
n layer*

IoT



Key takeaways for
catching up with future
demands in supply chain
management **with**
digital twins

1.

*Start now
&*

*start
simple*

2.

*Own &
standardize*

*your
localization
data*

3.

*Contextualize
& share your*

*localization
data*



READY TO TO TRANSFORM YOUR INTRALOGISTICS?

IdentPro GmbH

Camp-Spich-Str. 4 - 53842 Troisdorf - Germany

www.identpro.de

