



# NOCCELA

POSITIONING AS A SERVICE

... MAKING THE REAL WORLD **SMARTER.**

# What is Noccela?

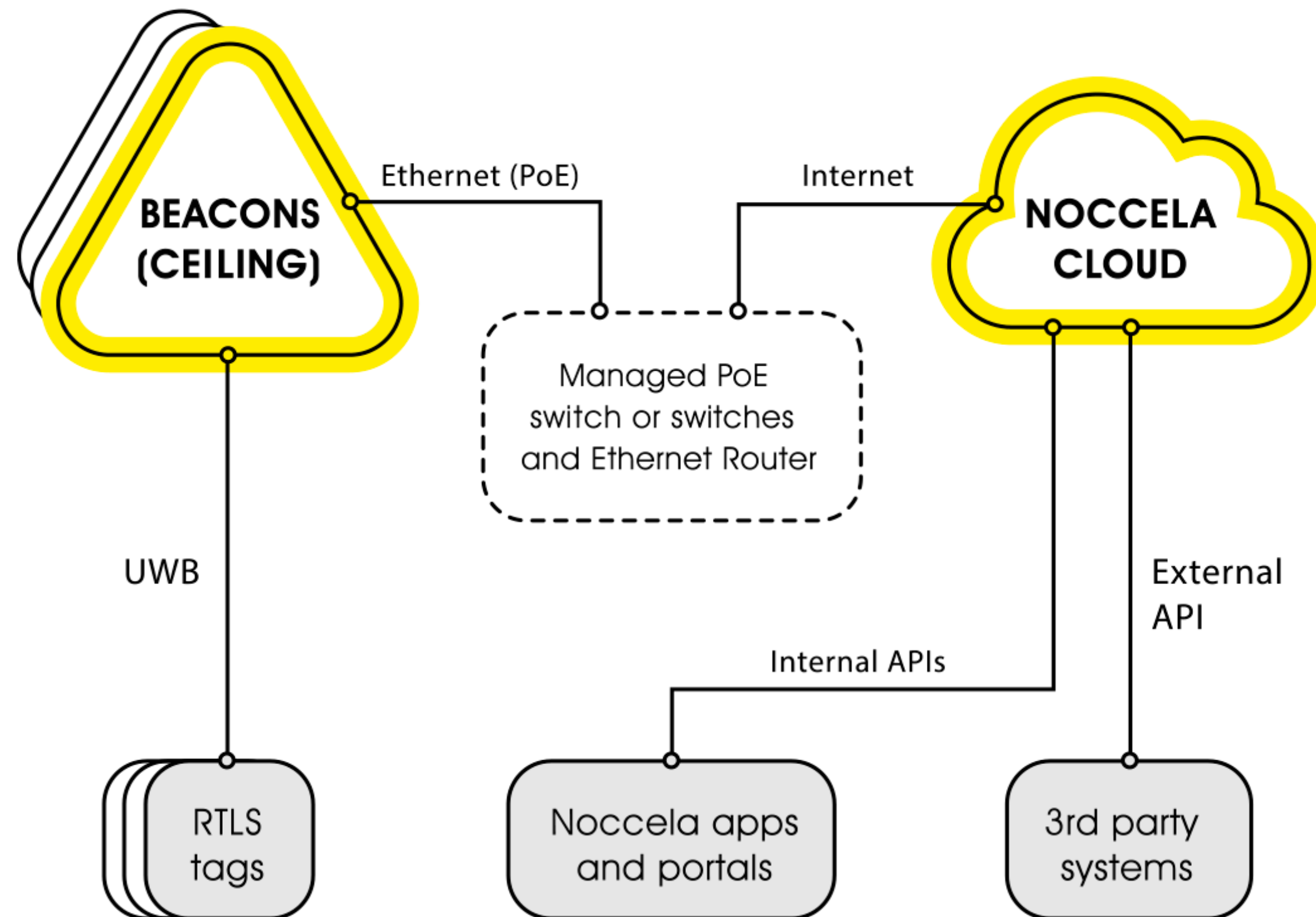


Noccela boosts businesses with real- time location-based smart solutions as a technology and infrastructure provider in Smart Factory, Security, Retail, Healthcare, Public events and Sports.

Established 2014, Noccela has the deepest expertise in Ultra-Wide Band, the technology that is driving the global IoT market.



# The equipment and components that make up the Noccela system



Noccela system utilizes the company's own patented technology HPR, which is a combination of independent radio signals that **don't interfere with any other radio networks on premises.**

# Customers we work with

**KONECRANES<sup>®</sup>**

**K Rauta**

**ENSTO**



**meconet**

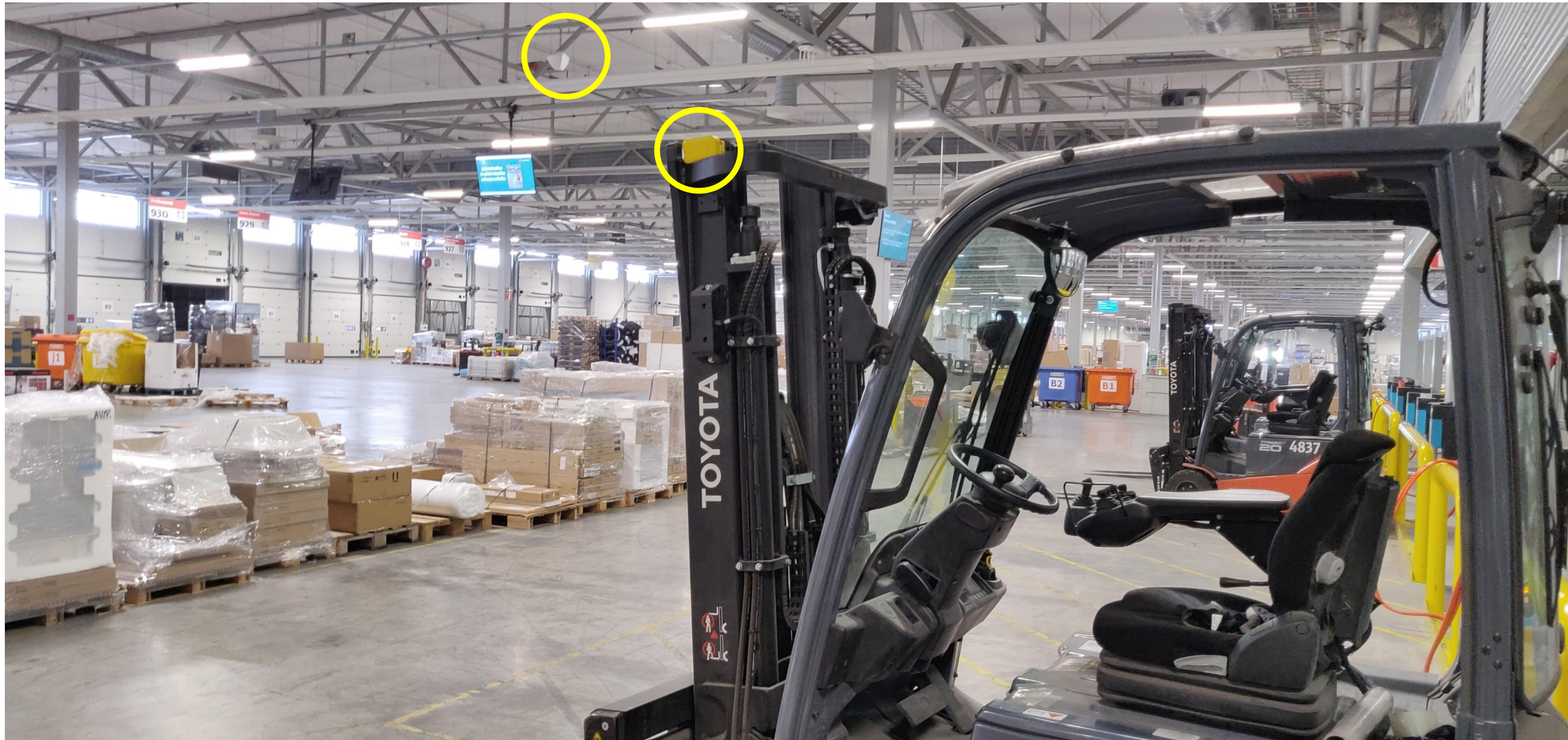


**stadium<sup>®</sup>**





# Noccela RTLS solution in Schenker- Lieto

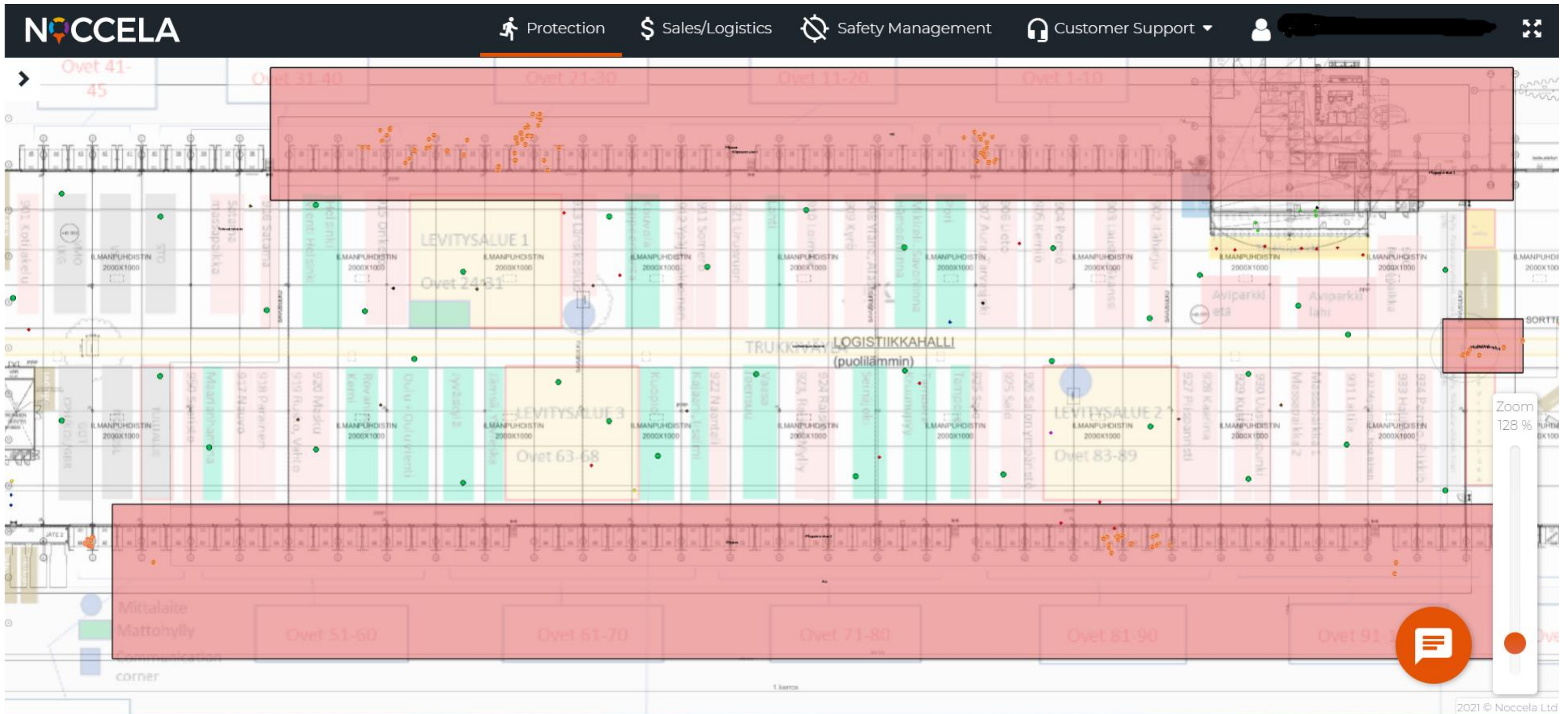




# NOCCELA RTLS solution in Schenker- Lieto

- The asset tracking tags on moving vehicles and the pallet were differentiated and grouped in the cloud to recognize them separately in the system.
- Logistics center is aware of the location and the status of every asset/pallet in real time.
- The asset tracking tags were attached to the pallets when they arrive from the harbour, to start tracking them. At the end, the tag is removed when the pallet is being loaded back to be transported to the destination. The restricted areas are geo-fenced in all arrival and departure gates to avoid the tags from leaving the premises and if they do, it is set to beep constantly.
- The routes of all tags were recorded as historical data and heat maps can be generated for analysis purpose. The parameters saved in the cloud include the position, travel time, distance, idle time, and idle position.

# Noccela RTLS solution in Schenker- Lieto



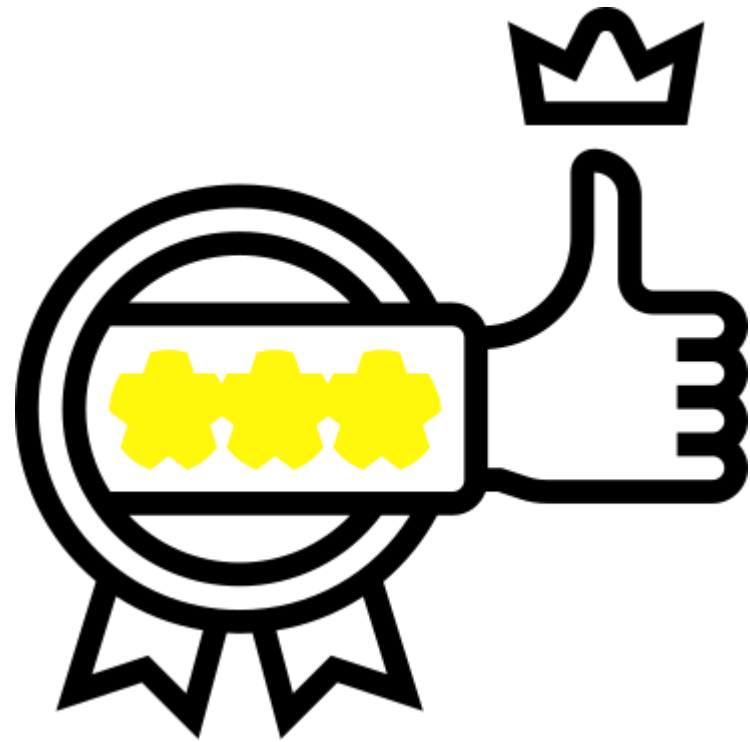
# Results



- The visibility of the assets in the large logistics center was fully gained.
- Loss of pallets and time waste on finding them is possible to minimize with Noccela RTLS.
- Utilization of the vehicles can be calculated based on actual usage data. Consequently, improvement points were recognized together with the help of route records and heat maps.
- The optimization of the logistics center layout and routes could be executed based on facts and the improvements could be measured using the simplest KPI of the time pallets spend in the logistics center and travelled distances.



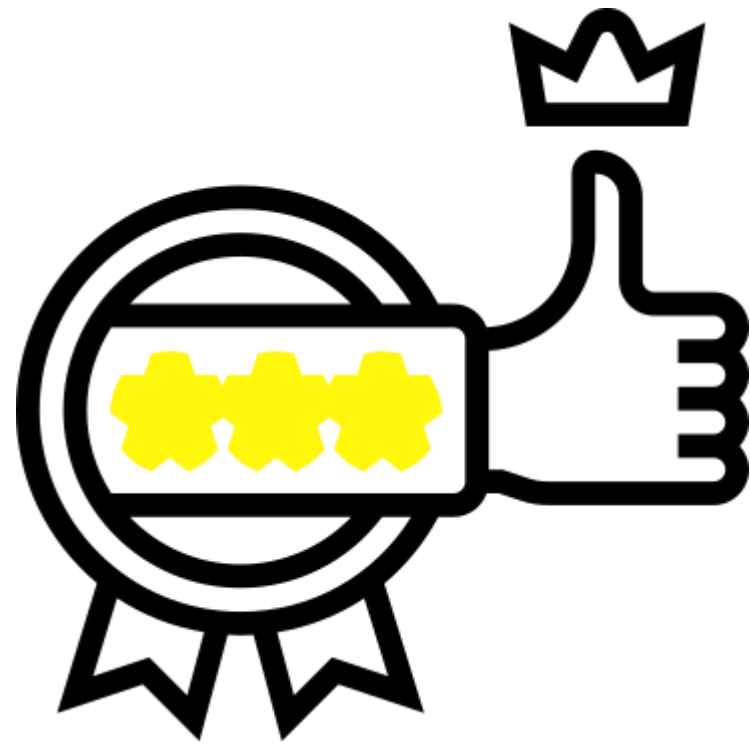
# What we learnt from Schenker research case



## BUSINESS VALUE OF POSITIONING DATA

- Data parameters that contribute to efficiency and business KPIs
- Possibilities of integration to business systems, API to third party platforms (QlikSense)
- Thousands of packages goes through logistics centers, so time saved per each package is very valuable

# In conclusion, Why Us?



## WORLD CLASS POSITIONING TECHNOLOGY

- Lowest capex due to beacon efficiency and easy installation
- Real-time location service
- 10 cm accuracy
- High reliability
- Agility and Scalability



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**NOCCELA**  
Thank you!