



Spare parts delivery system – Site KA

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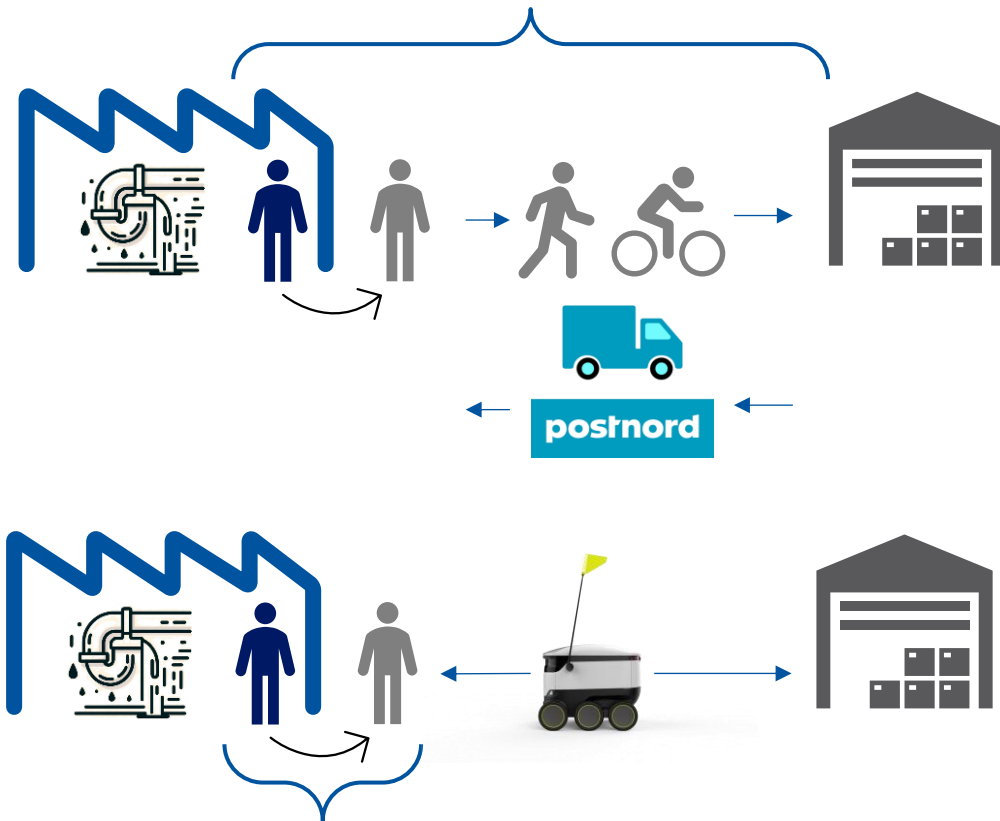
TGFR@NOVONORDISK.COM

RAYA 2025 Finalist Event



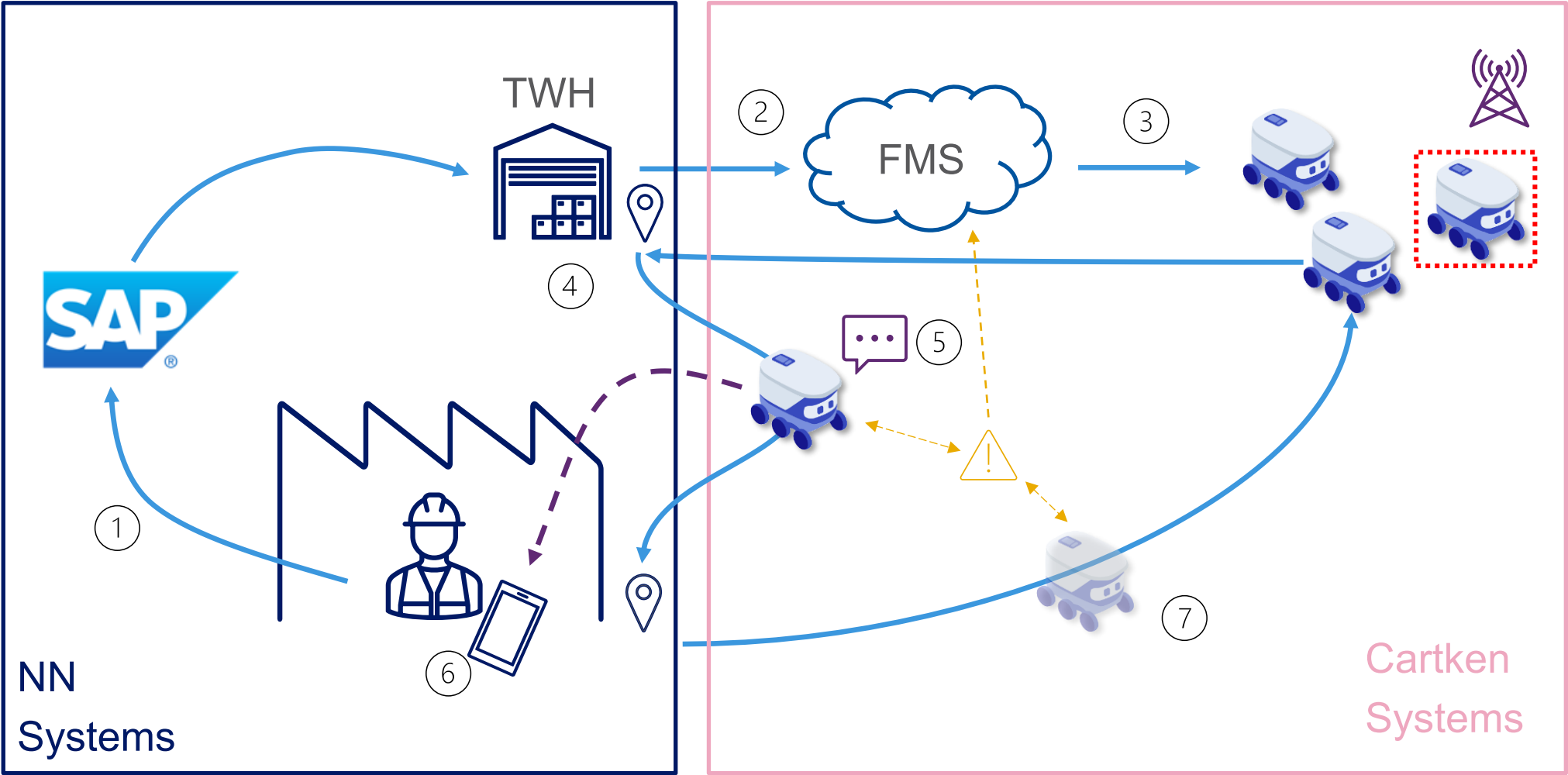
Application

MAY NOT BE SHARED



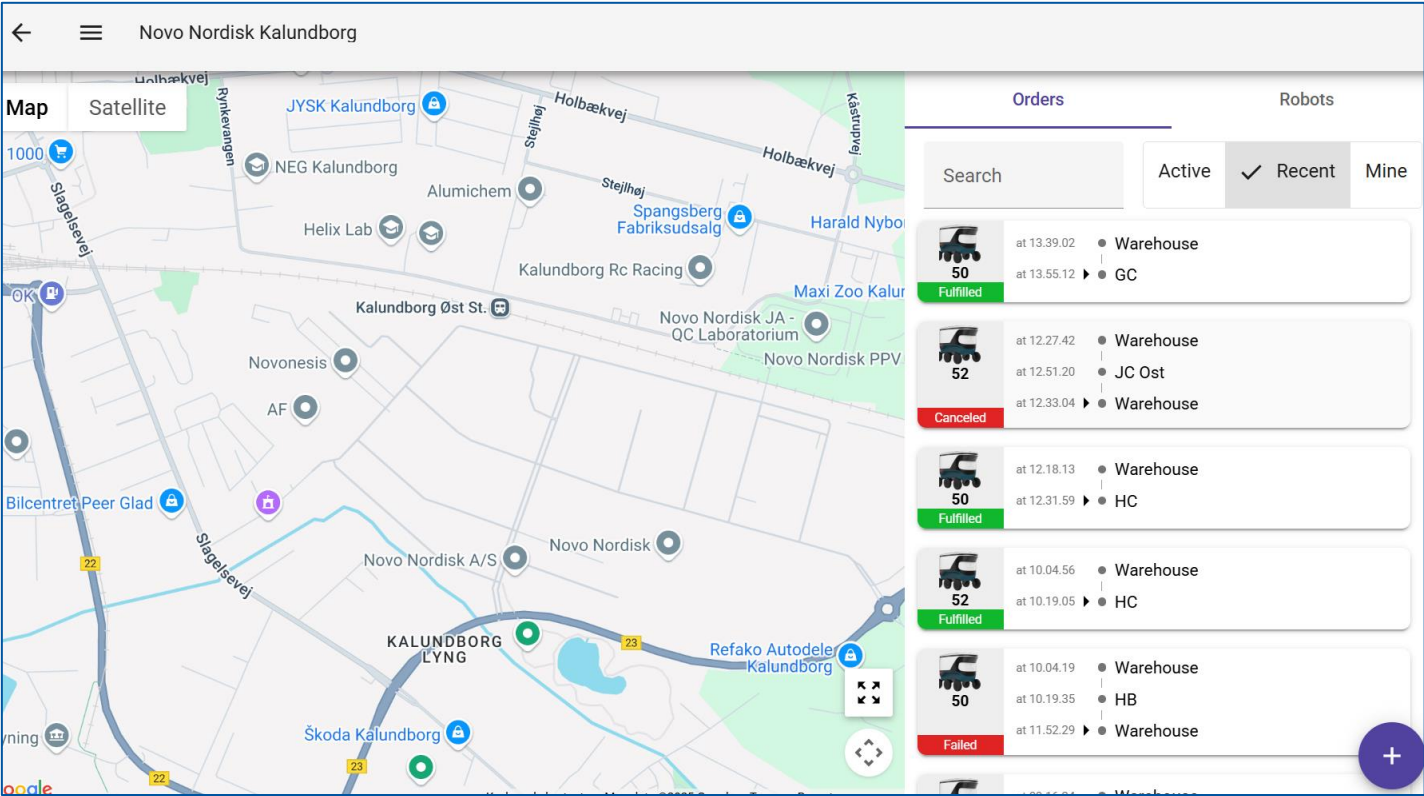
Workflow

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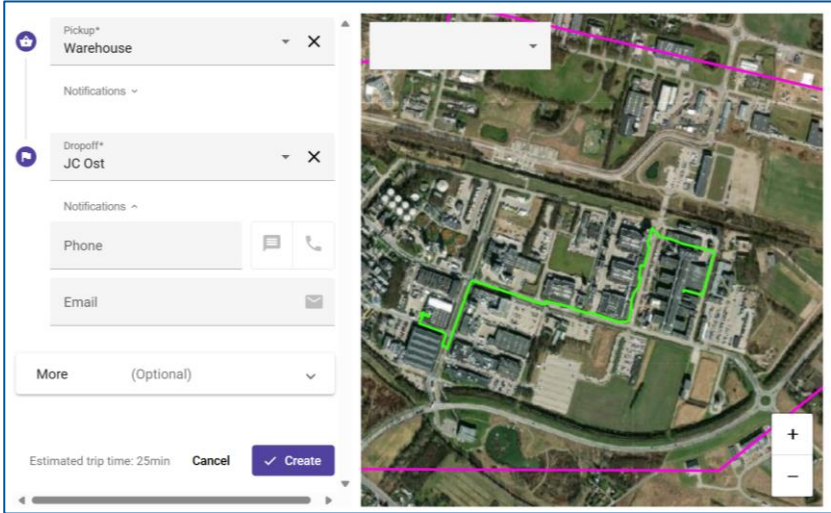
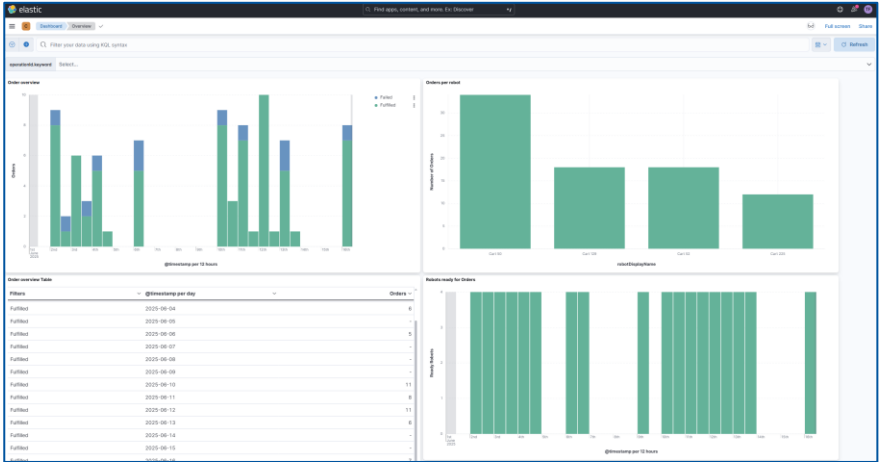


FMS

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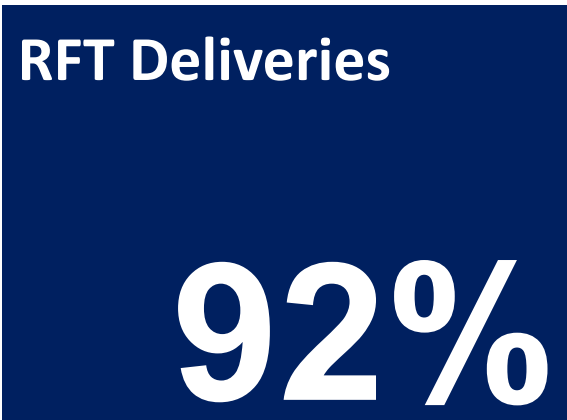
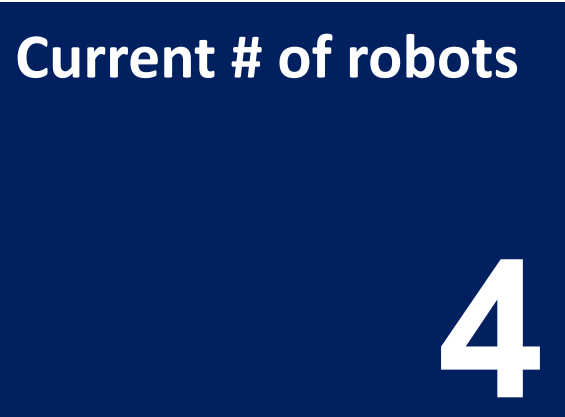
- Updates every Friday
 - Construction work
 - Traffic detours



Statistics

Since April 16th, 2024

MAY NOT BE SHARED



Evaluation Criteria

- ~1 HB2B/day for every CVP area (12);
- No need for stock in the areas – less inventory waste



"Having these robots doing this for me allow me to focus on the task at hand."

Cartken system is scalable for different plants & robot models

Courier



Hauler



Runner



Mover

Solution Flexibility

Future use cases:

Legislation update

- Bigger platforms with potentially higher payloads on the road

Novo Nordisk Way

We strive for agility and simplicity in everything we do.

Area of application

Currently: Delivery of spare parts across site KA.

Future use cases:

- "Crossing" classification levels
Automated loading & unloading of contents
- Samples
 - Internal mail



Easiness to integrate



Cloud-based solution + 5G connection could be implemented anywhere, fast



Questions?

RIKKE BÆKGAARD
& JENS TARDING
Product Supply
Denmark



THANK YOU!