



Digital Decommissioning Logistics Concept

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1. Logistics concept

1. What

2. How

2. Other industries

3. Value creation



Efficient and large-scale dismantling of nuclear facilities

- Digitalized processes
 - Defined and transparent logistics processes (what, how, when and who)
 - Complete logistics flow from the onsite dismantling to the final waste disposal, deposition, or clearance
 - Comprehensive IT-support
- Universal approach with transparency towards internal and external parties and authorities

LOGISTICS CONCEPT - HOW

Decomissioning dependencies

Decomissioning strategy overall

- An universal approach with full transparency
- Strategy decision regarding the whole dismantling process

Dismantling & production strategy

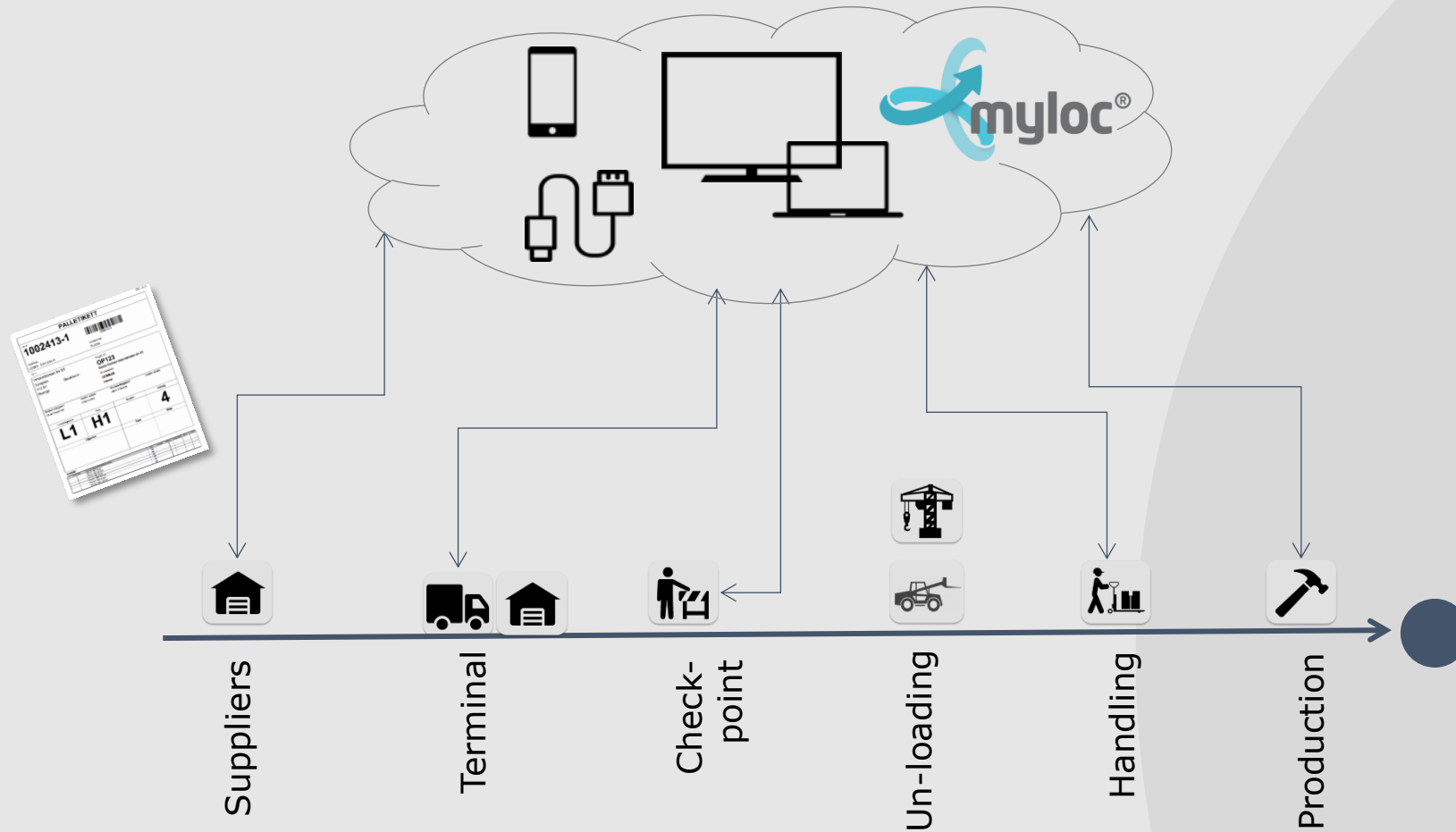
- Technical borders of different waste classifications– where, when and how

Logistics strategy

- Dismantling sequence
- Flow control
- Track & trace

OTHER INDUSTRIES

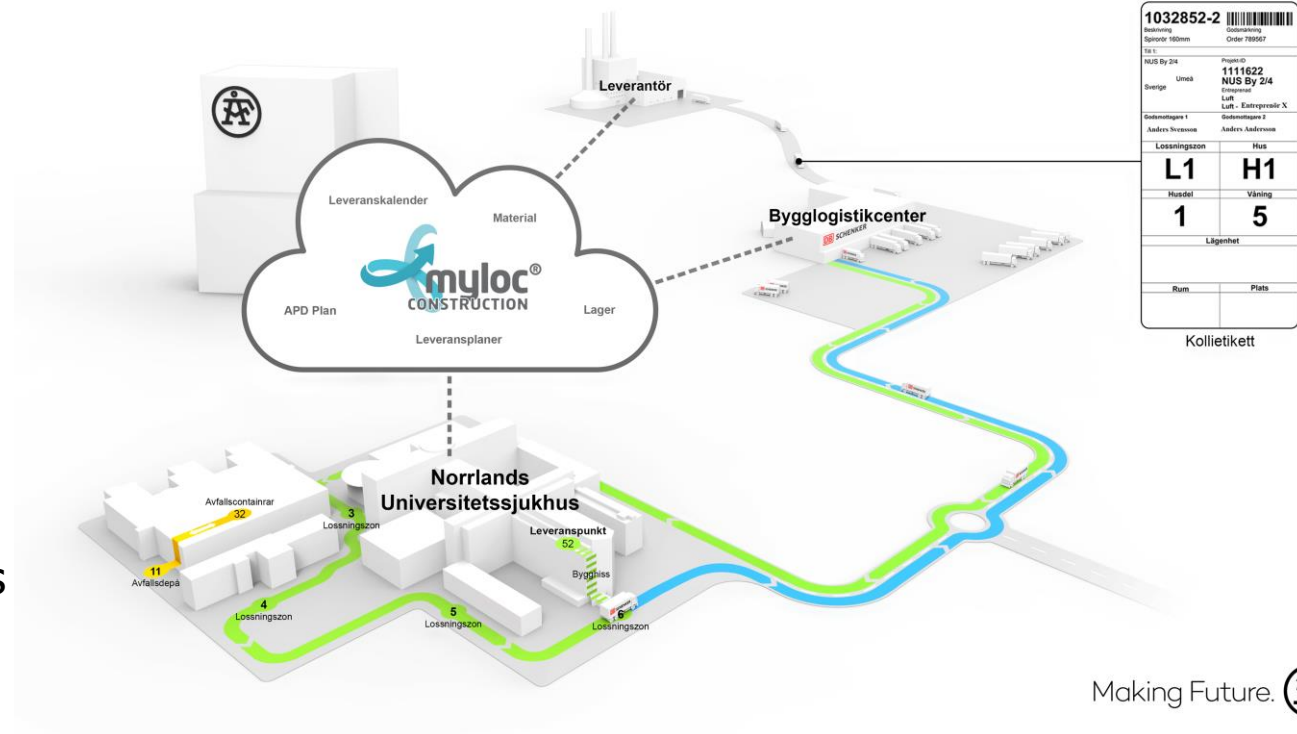
Digital Logistics Concept



OTHER INDUSTRIES – ONGOING PROJECT EXAMPLE

Construction Logistics at the University Hospital of Umeå, Sweden

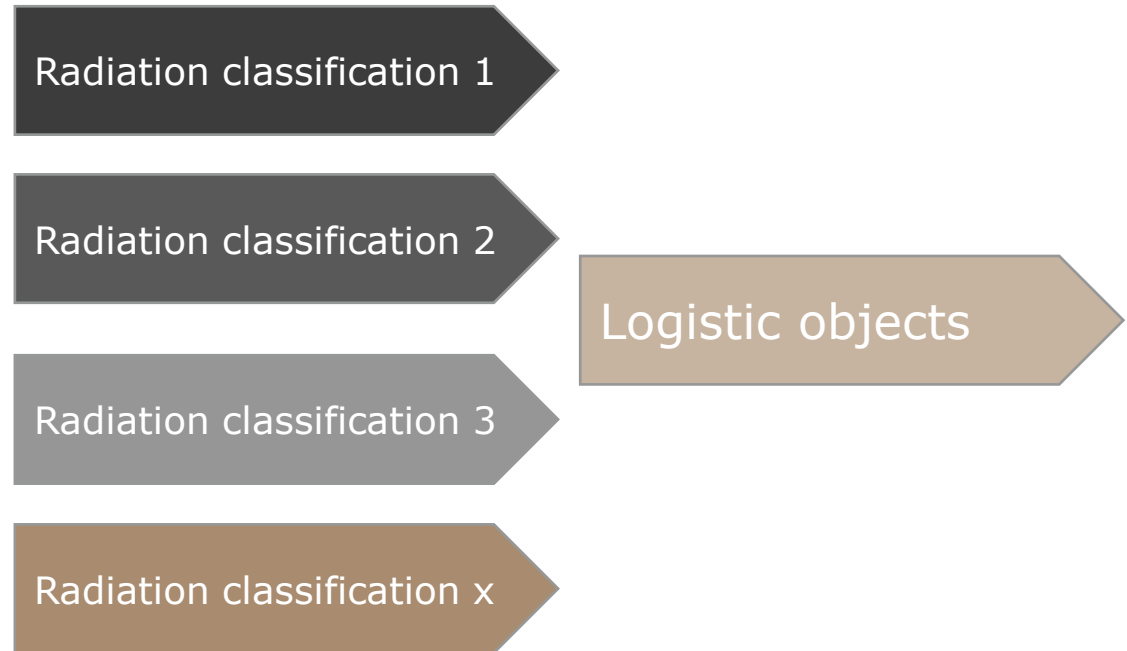
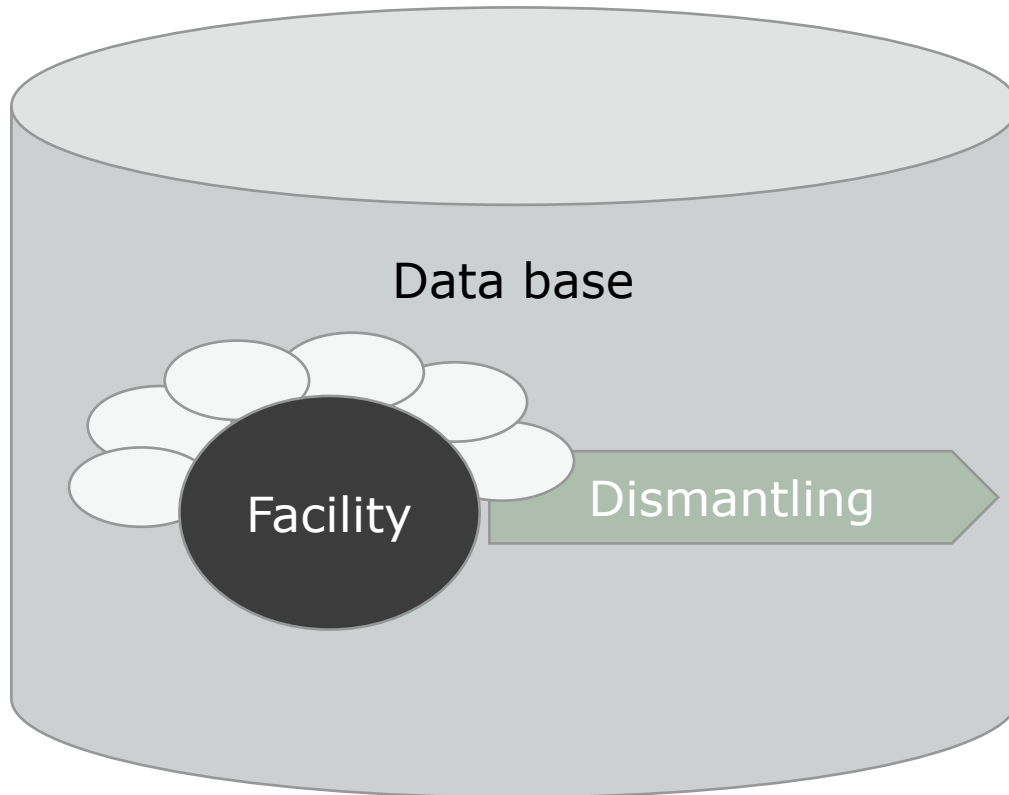
- Coordination between several actors
- High safety requirements
- Hospital in operation
- Traceability of goods
- Efficient handling
- Shorter building time
- Lower cost for the construction projects



Making Future. 

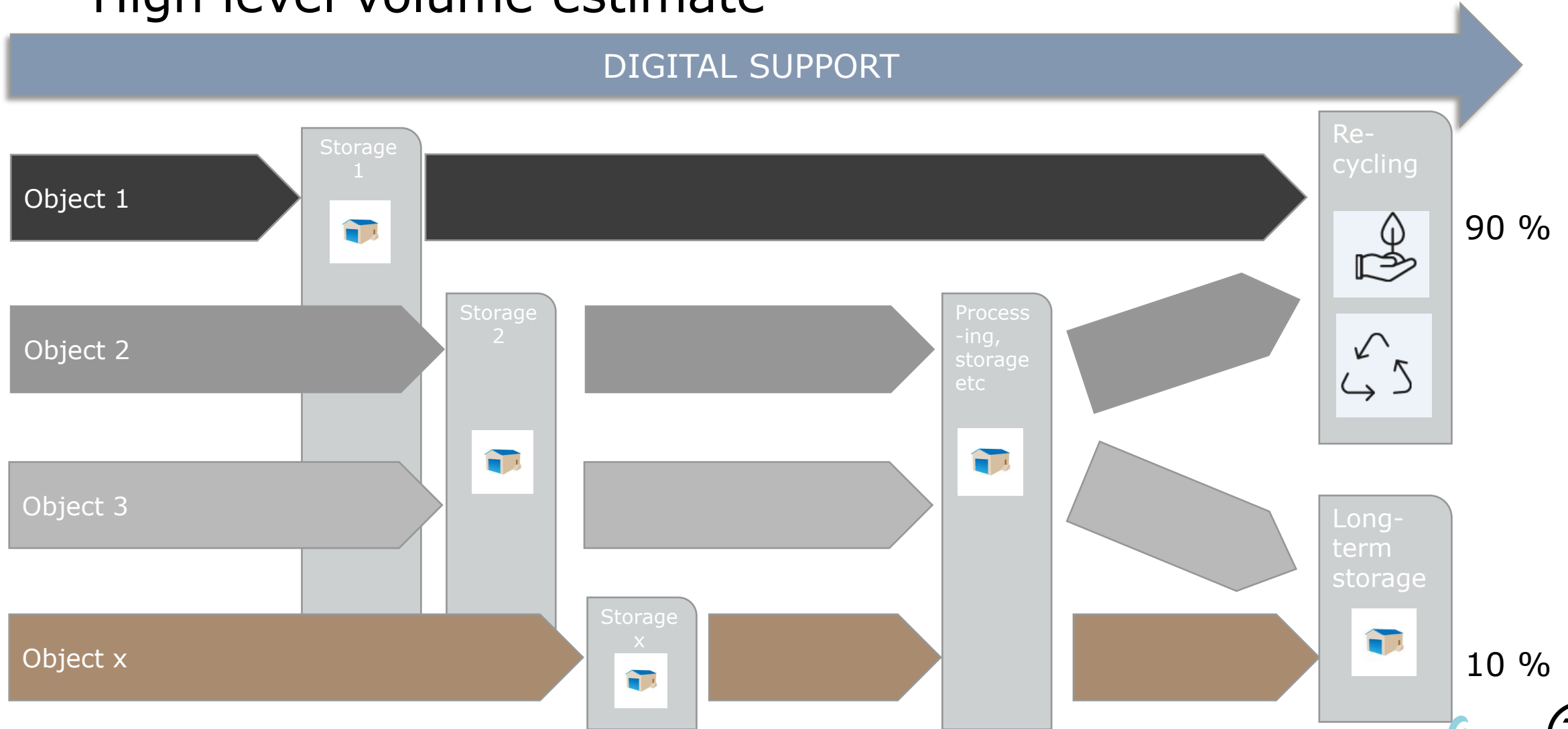
LOGISTICS CONCEPT - HOW

Identification of radient content



Logistics processes

- High level volume estimate



LOGISTICS CONCEPT - HOW

Digital Decommissioning Logistics Concept

Comprehensive system tool utilized throughout the whole decommissioning process

Pre-planning

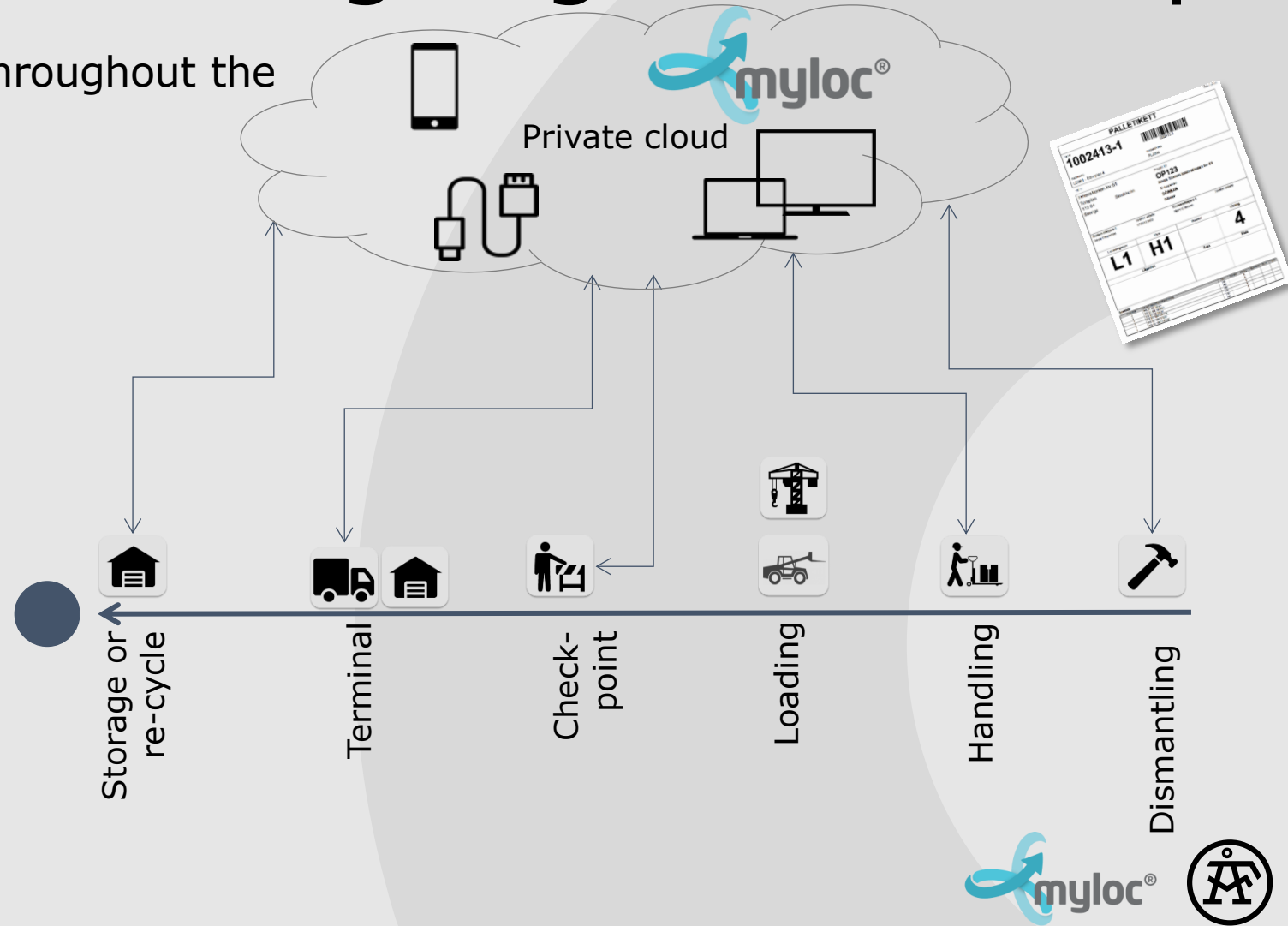
- Dimensioning flows
- Simulation for evaluation
- Resource and equipment

Operations

- Planning & scheduling
- Ordering activities
- Control tower
- Goods control
- Radiation monitor
- Documents

After

- Track and trace on component level



VALUE CREATION

EFFICIENCY

- Efficient dismantling - secured and shortened in time
- Efficient administration of work orders, material information, permissions, etc.



SAFETY

- Safety through control of all flows, processes and transactions



RESOURCE OPTIMIZATION

- Resource management of personnel and other resources such as cranes and trucks



CONTROL & QUALITY

- Quality assured
- Traceability of materials
- Ensured reporting to authorities, communication, and use of personnel

Thank you!

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Making Future.

