

The background features a 3D perspective of a grid of light gray cubes. Overlaid on this grid are numerous white dashed lines that crisscross the space, creating a sense of digital connectivity and movement.

speedcargo

# Digitalizing cargo for an automated future

**50%** of aircargo capacity is **unutilized**

Every **1% increase** in capacity utilization is equal to **~\$1B in revenue**

**100%** of ULD build-up operations globally are **manual**

Significant opportunity to **increase profits** and **efficiency**

- Global shortage of skilled manpower
- Data is siloed or not captured
- Spatial optimization tasks are difficult for humans to solve
- Declared information on cargo differs from real information



## DIGITALIZATION

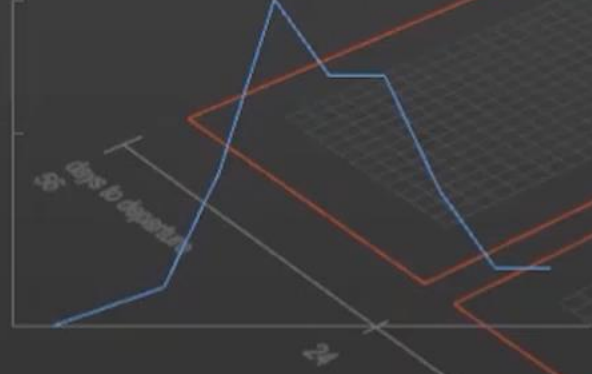
Sensors and software generate accurate **3D digital models** of cargo

Digital models **enable transparency** about cargo across value chain

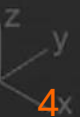
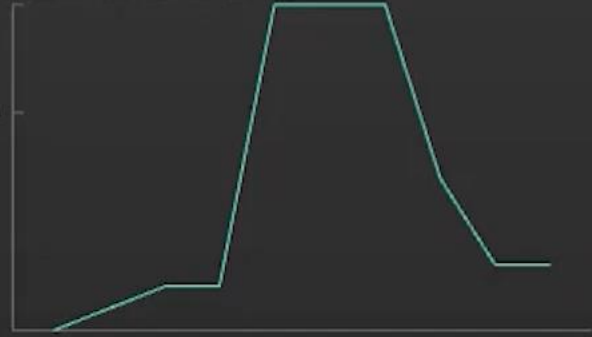


# OPTIMIZATION

BOOKING REQUESTS PER DAY



RESERVATIONS PER DAY



October 25

departure  
SQ 7972

CONFIDENTIAL

- Proprietary algorithms consider shape, size and weight of parcels and **play “3D Tetris”** to maximize cargo capacity
- Has been used to increase capacity utilization **10% to 25%**

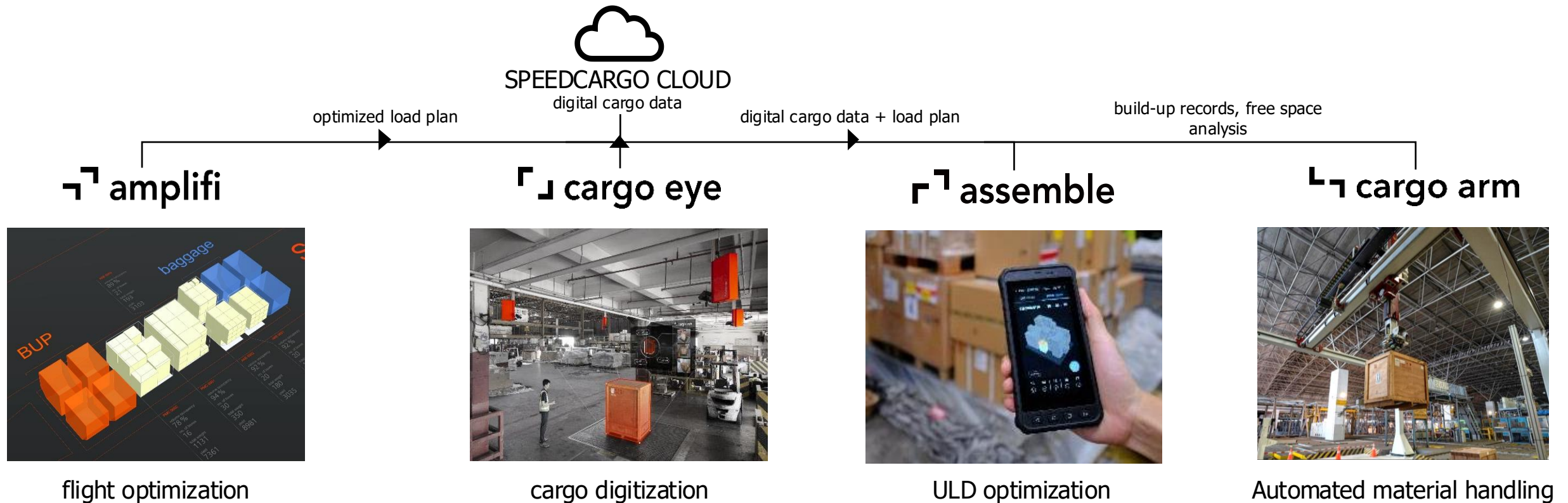
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- Specially designed automation **works seamlessly with algorithms**
- Physically demanding tasks are **shifted to machines**
- **Allows workers to focus** on higher-level cognitive activities



# A suite of innovative products for digitalization across the network





## Platform partners



Robotics Hardware

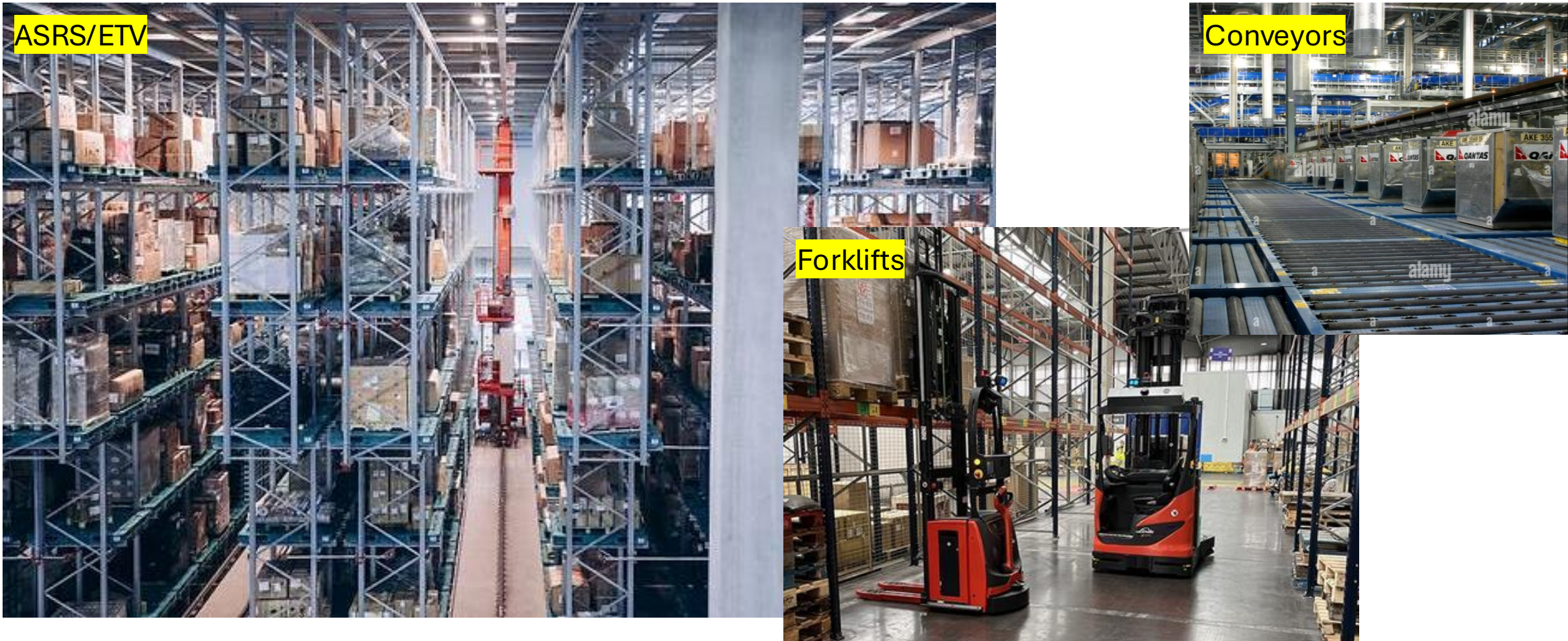


Cloud Technology



— TODAY

# Incremental Upgrades to Legacy Systems and Processes





— TODAY

## High Tech in other Industries





— TODAY

## High Tech in other Industries





High Mix



High Volume



High Payload



standardization  
high adoption of automation

high-mix  
bottleneck for automation



Postal Companies  
using air mail

Courier Companies

Express Companies or  
Integrators

Forwarders

upto 30kg  
envelopes & parcels

upto 75kg  
envelopes & parcels

upto 75kg  
envelopes & parcels

30kg to 6tonnes  
parcels & consolidations  
(anything that fits into the aircraft)

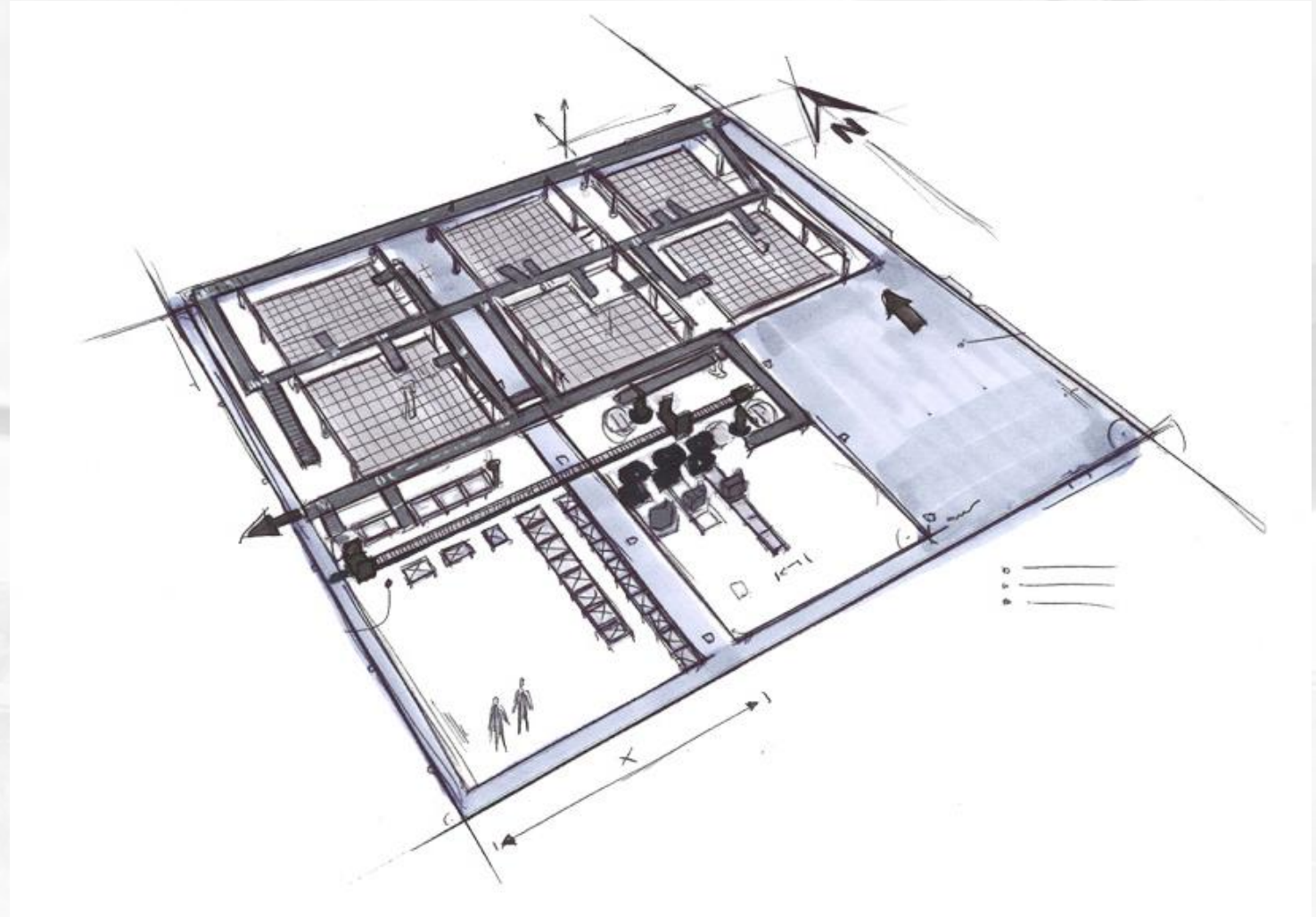


**Learn, Transfer** and  
**Adapt** from proven  
Domains

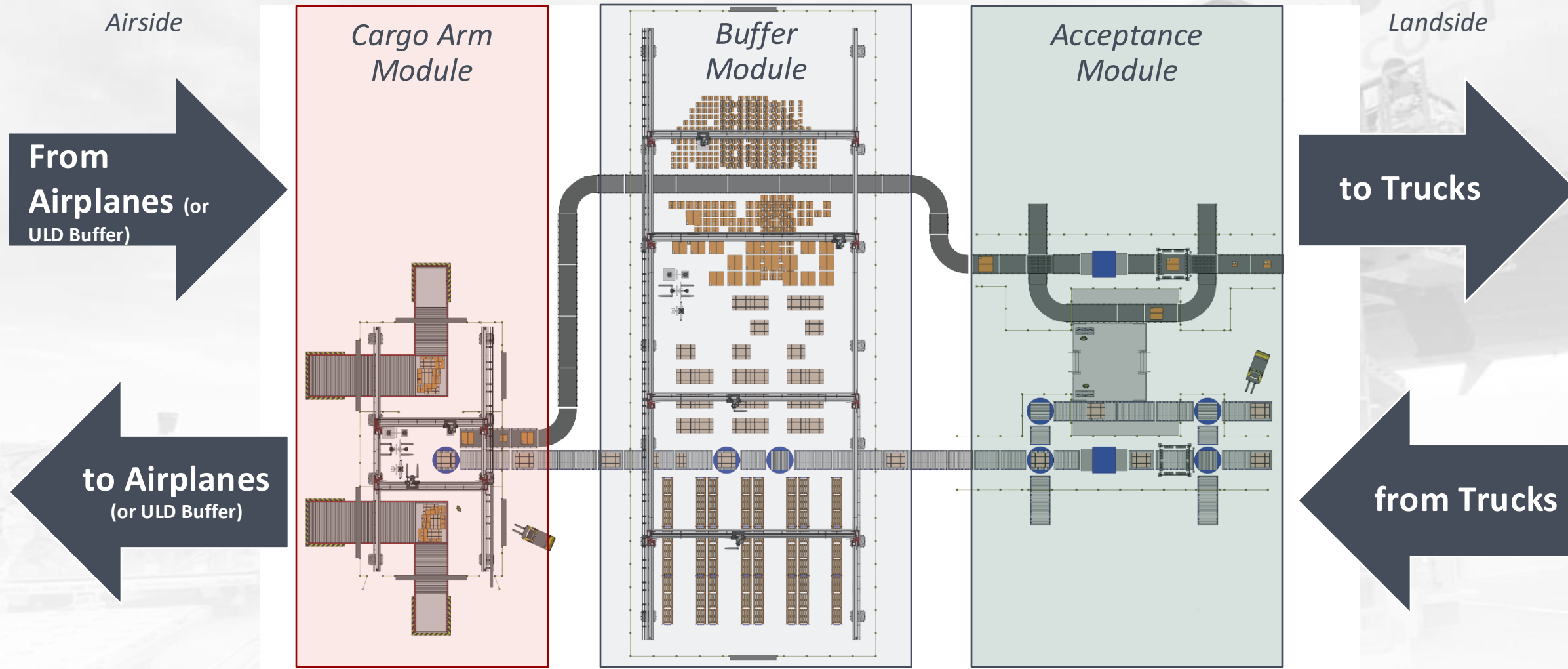
**Industrial Robots**  
have attractive ROI  
(12 Year MTBF ●  
Scalable ●  
Sustainable)



We challenge the status quo by bringing automation technologies into complex air cargo environments











Digitalization  
makes an  
**automated  
future** possible

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