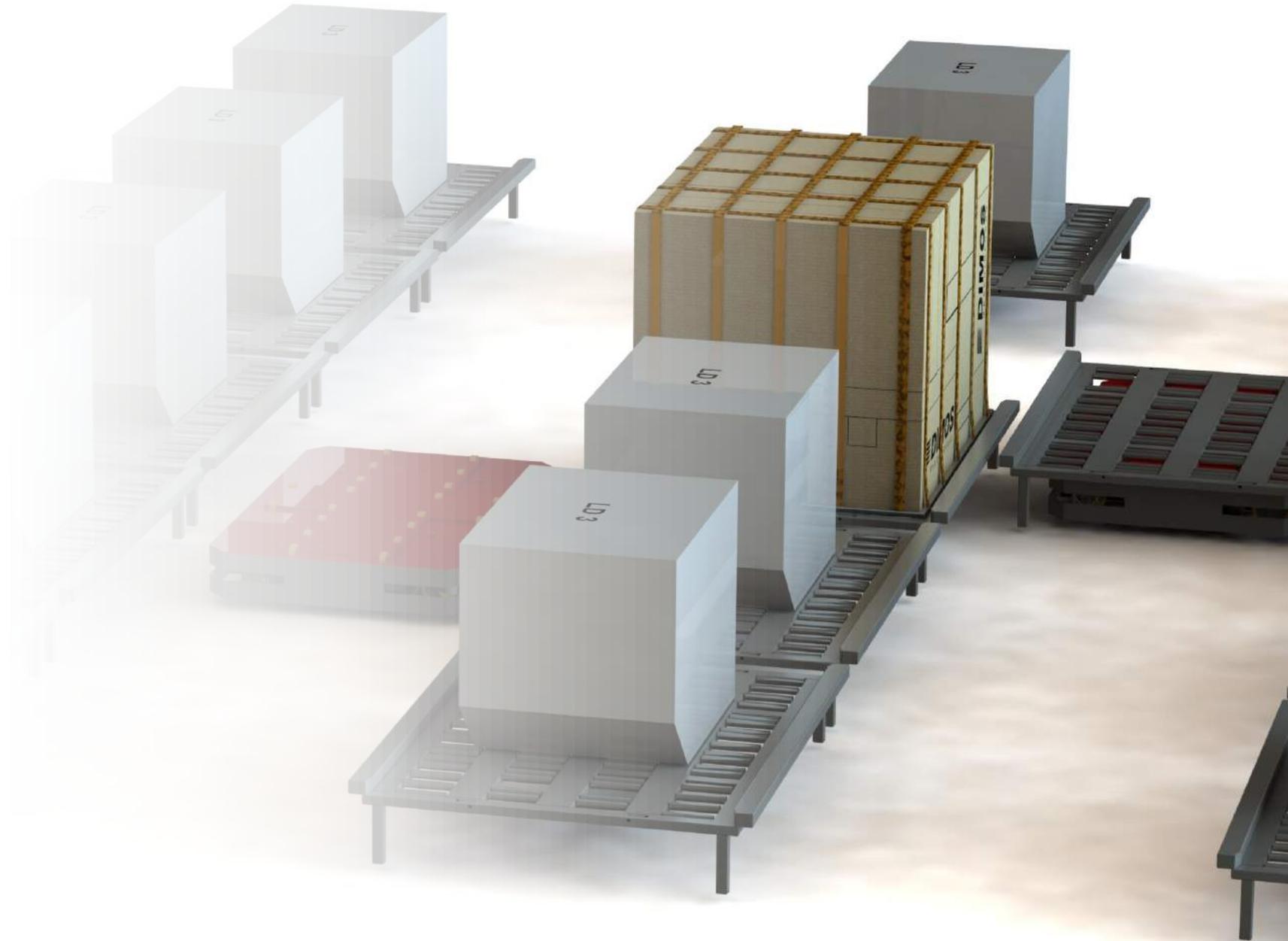
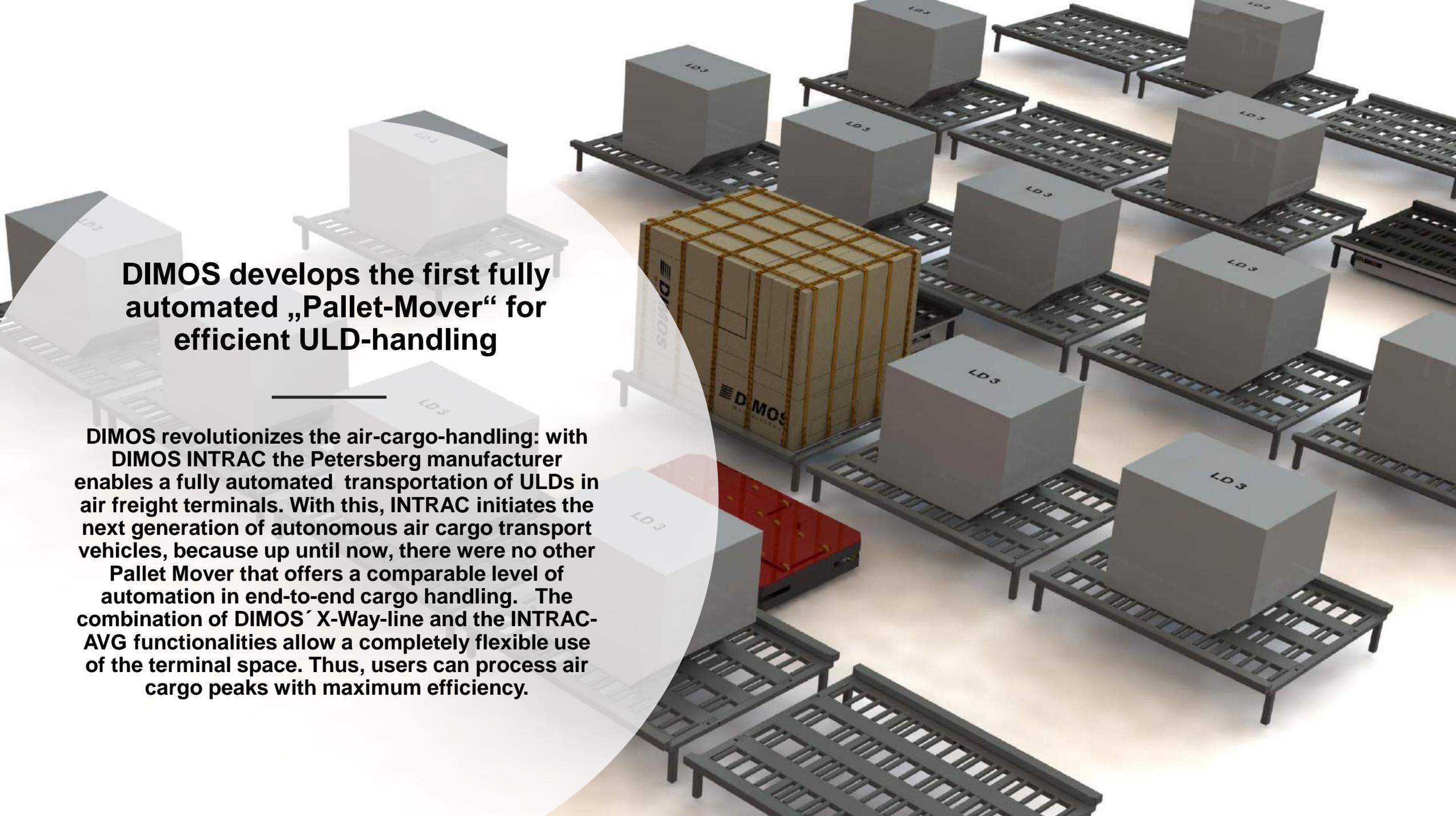


# DIMOS INTRAC

## Innovative **Traceable**

The new generation of autonomous cargo transport vehicle and end-2-end cargo handling systems





## **DIMOS develops the first fully automated „Pallet-Mover“ for efficient ULD-handling**

**DIMOS revolutionizes the air-cargo-handling: with DIMOS INTRAC the Petersberg manufacturer enables a fully automated transportation of ULDs in air freight terminals. With this, INTRAC initiates the next generation of autonomous air cargo transport vehicles, because up until now, there were no other Pallet Mover that offers a comparable level of automation in end-to-end cargo handling. The combination of DIMOS´ X-Way-line and the INTRAC-AVG functionalities allow a completely flexible use of the terminal space. Thus, users can process air cargo peaks with maximum efficiency.**

# Features of Dimos INTRAC

Pay-Load capacity 6.800 kg	Multi-directional 360°steering system	Lithium Ionen battery
Friction drive for ULD transport	Slave Pallet Lifting device	Electric drive motors
Stops front and back side	Vulcollan wheels	Adjusting Pins between INTRAC and carrier slave pallet
Speed stepless 4 km/h	Load lift up approx. 6 sec.	Roller conveyor - conveyor speed of 0.3 m/sec.



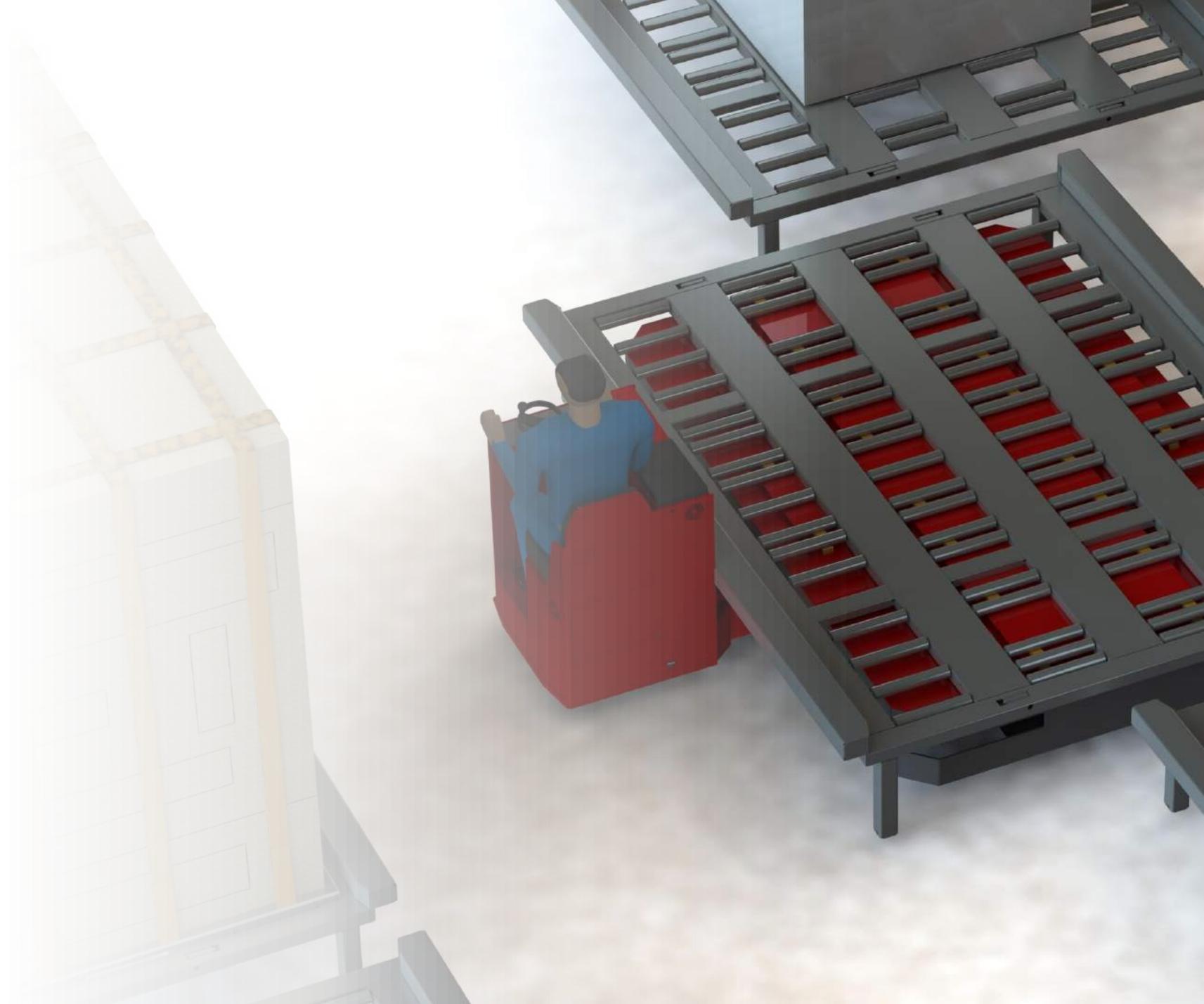
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## Dimos INTRAC MOVE a combination for manual operation

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### Features of towing vehicle Dimos MOVE for Dimos INTRAC

- Electric drive unit
- Lithium Ionen battery
- Vulcollan wheels
- Lifting device
- Connecting cable to Dimos INTRAC  
(*OPTION*)
- Comfortable driver cabin (*OPTION*)



## INTRAC

### Dimos **INTRAC** lifting process



#### Step 1

**INTRAC** moves under the carrier slave pallet  
Transport height 508 mm top roller



#### Step 2

**INTRAC** lifts the carrier slave pallet first with the friction rubber rollers



#### Step 3

**INTRAC** in the highest position.  
The entire base plate unit is lifted and the stabilizing pins are engaged with the Pallet~ 538 mm top edge

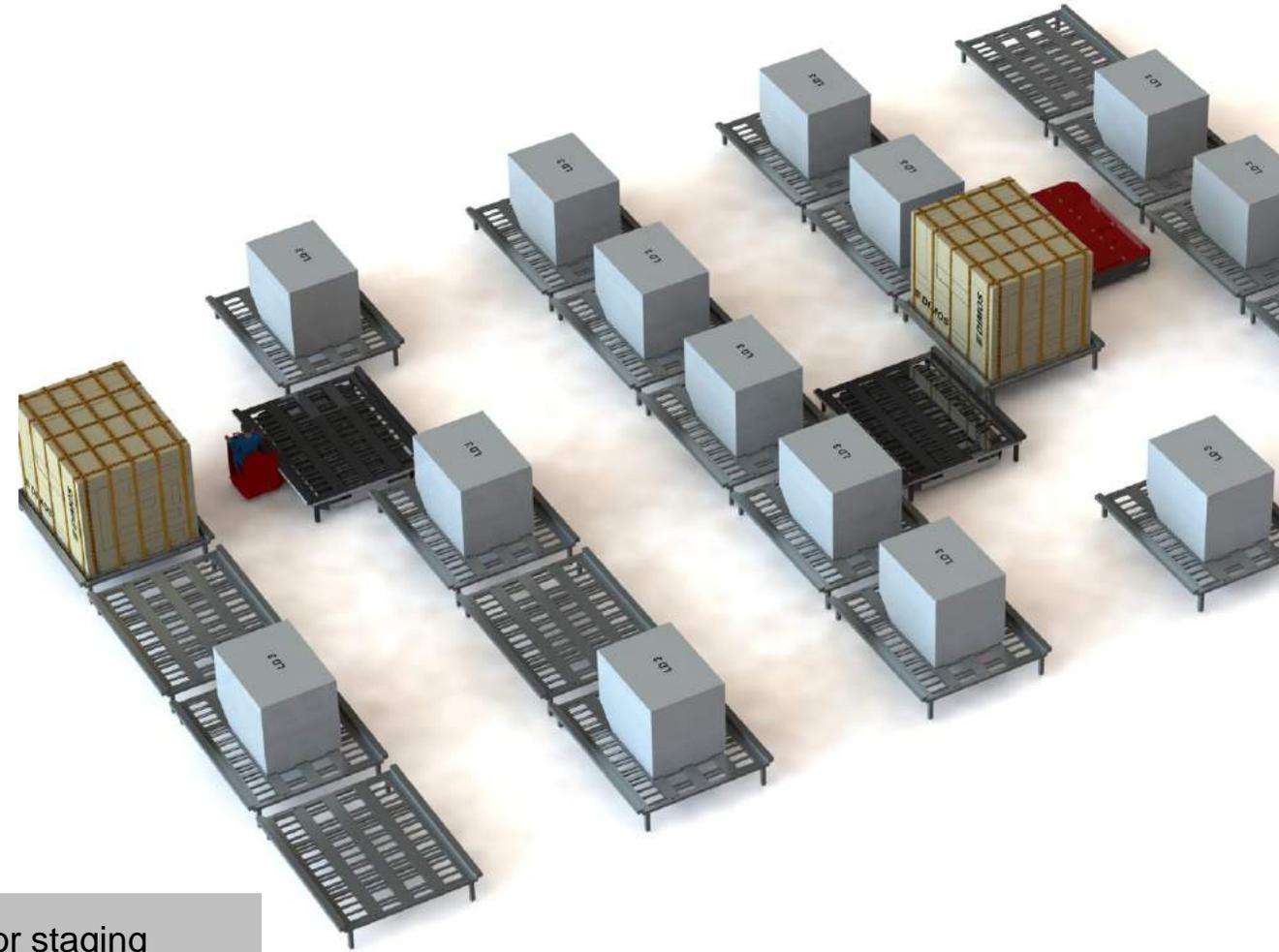
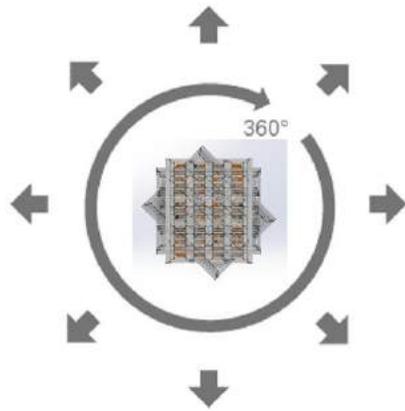
# Air Cargo Solutions

## INTRAC

### Multidirectional steering of Dimos **INTRAC**

This steering system allows to drive in all direction  
360 °

This results in a high flexibility and time savings of the positioning process.  
Multi directional steering makes the use of space very efficient



Different storage or staging  
positions can be configured by  
**DIMOS INTRAC**

**ULDs are located on roller decks and then manually transported to specified storage locations using INTRAC MOVE.**



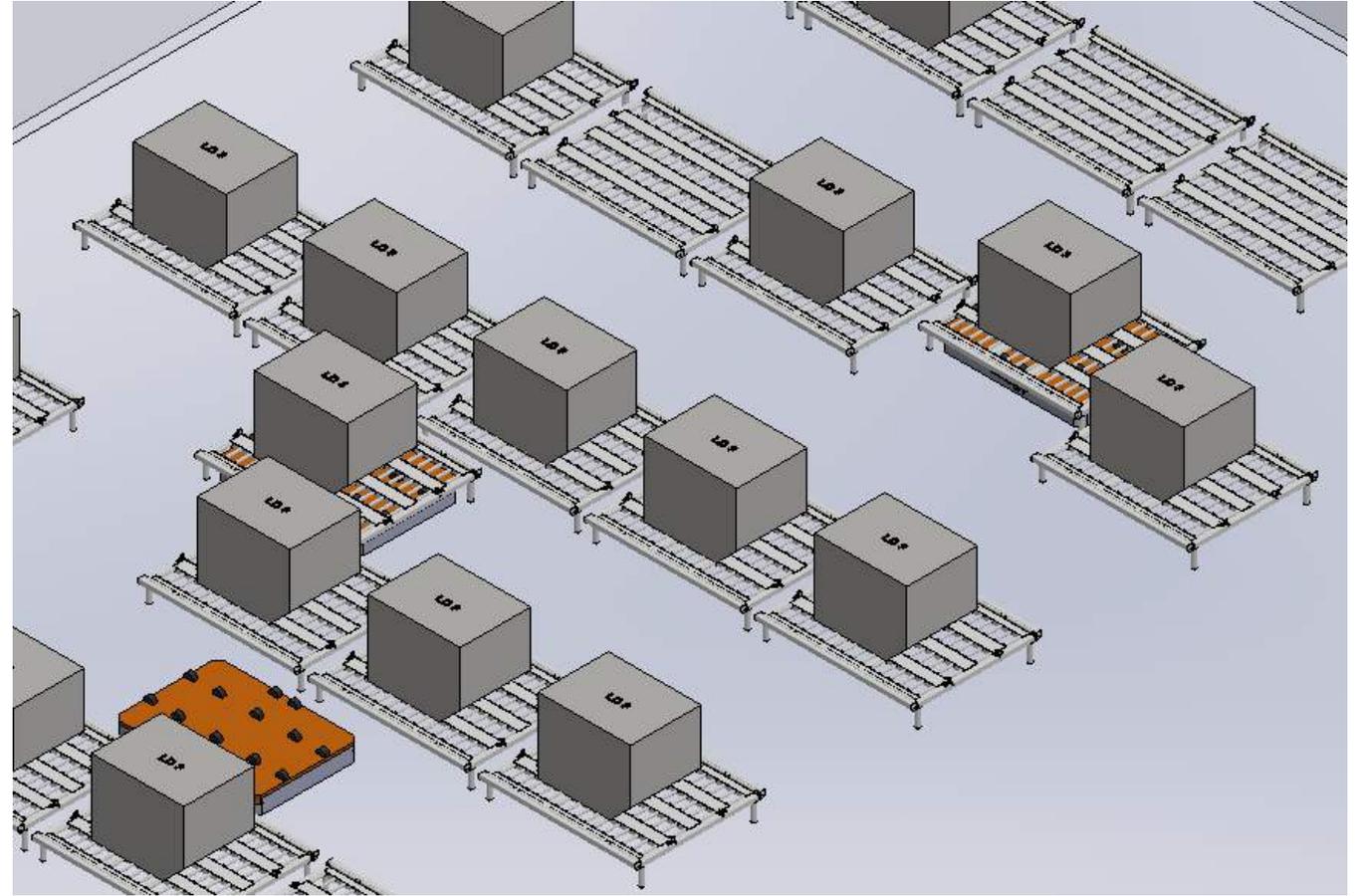
**DIMOS INTRAC is located underneath the pallet, stabilizes it, lifts it, and brings it to the desired position in the warehouse.**



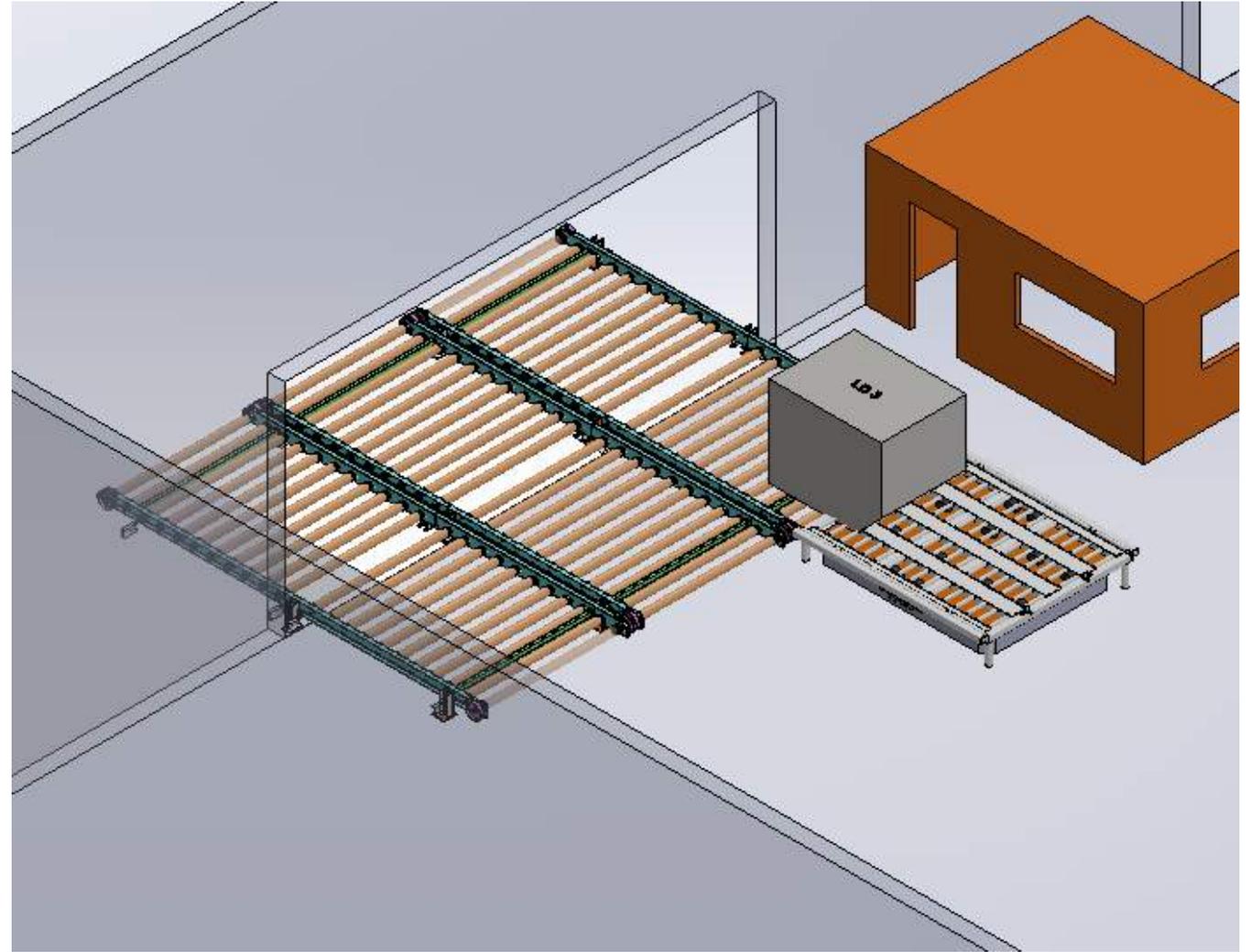
**DIMOS INTRAC is space saving:  
narrower aisles can be formed, and  
more space can be created in the  
warehouse.**



**Loading and  
unloading the  
carrier slave pallets in  
a storage area  
with the  
DIMOS INTRAC**



**Transfer of the  
carrier slave pallet from  
truck dock  
to DIMOS INTRAC**



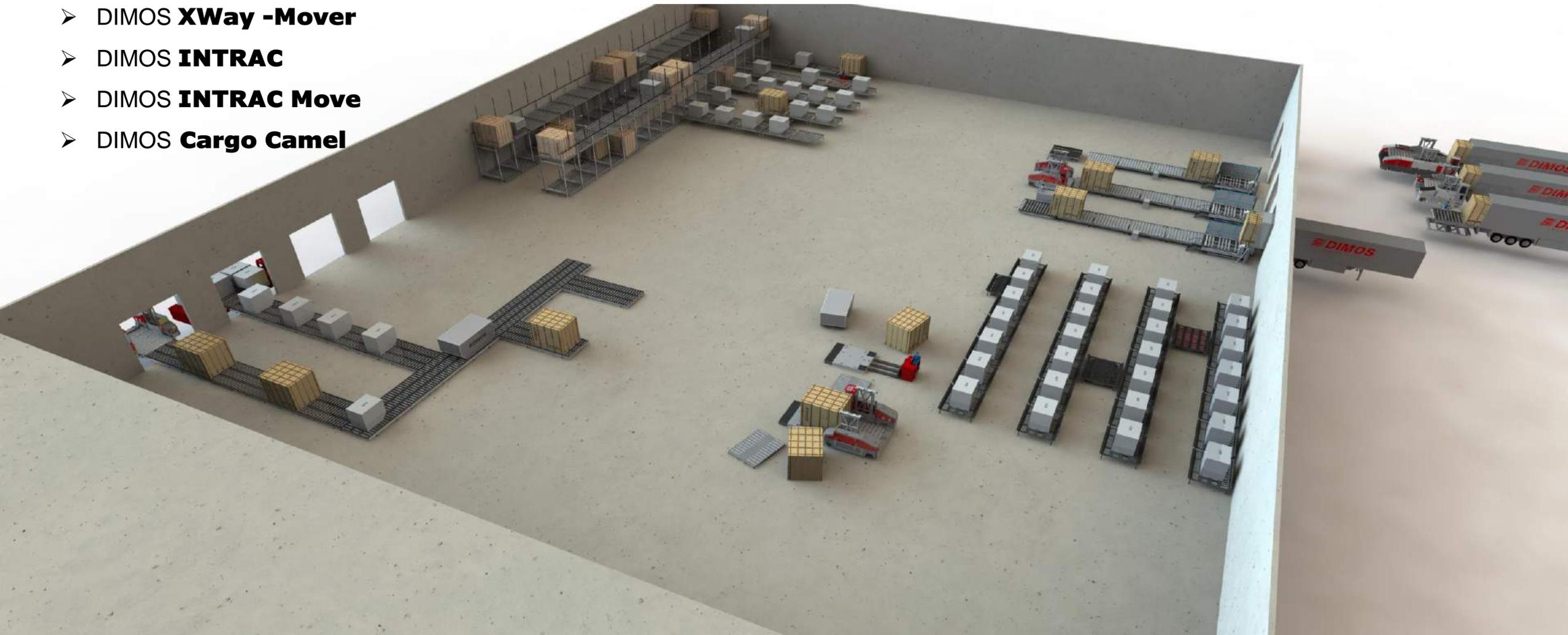
# Air Cargo Solutions

## INTRAC

System overview with our DIMOS Cargo

Products

- DIMOS **XWay -Mover**
- DIMOS **INTRAC**
- DIMOS **INTRAC Move**
- DIMOS **Cargo Camel**





**MICHELLE BOHL**

Vertrieb

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