



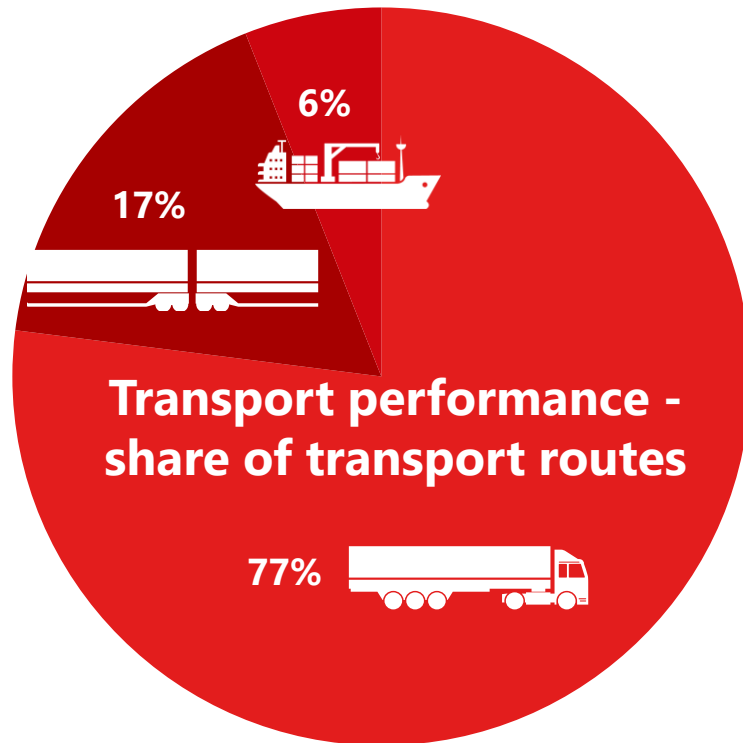
**TRUCKTOWER**

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# Logistics

Revenue 1,115 billion in 2020 in Europe

319 billion in 2022 in Germany

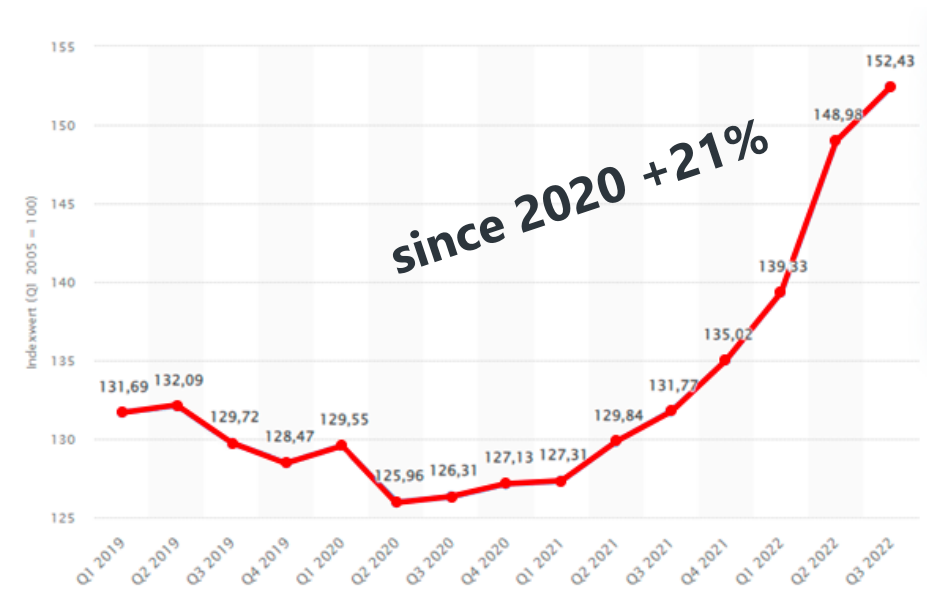


## Route network 2021

13.192 km highway

39.761 km railroad

Statista: Price index freight rates



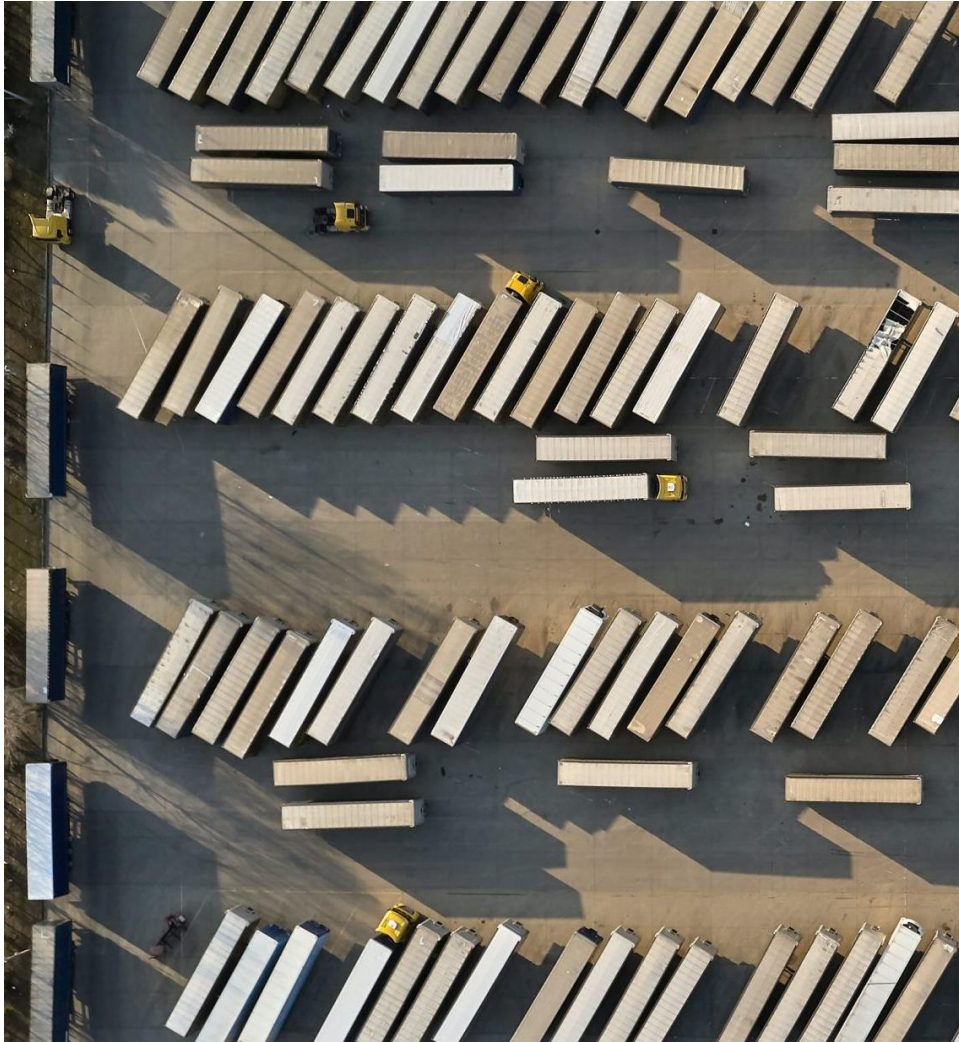
The EU Commission estimates that the volume of truck traffic will increase by a further 44% between 2020 and 2050 and the use of buses by 72%.

(Source: transportenviroment.org)

46% increase in freight traffic (+54% road) by 2051.

(Quelle: BMDV)

# Challenges & transformation of logistics



**Drive revolution**  
**Autonomous transportation**  
**Digitization**  
**Shortage of drivers**  
**Lack of truck parking spaces**  
**Sustainability**  
**Criminality**  
**Transportation by rail**

- 2.3 billion € damage per year caused by cargo theft
- Driver shortage - almost 20,000 drivers/year less 480,000 professional drivers (2021) in Germany
- BASt study 2018 "79% more parking spaces are needed at managed rest areas!" Here 17,116 truck parking spaces are missing.
- 08.11.2022 ADAC "Trucks are absolutely prohibited from stopping at 90% of rest areas"
- EU safety parking obligation: Truck safety parking spaces every 100 km
- AFIR - Truck electric charging facilities every 50km

# The solution



- More parking spaces
- Highest security level
- Better working conditions
- Minimal surface sealing





# TRUCKTOWER

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## we are

**Vollert** 

### Intralogistik

- Heavy-duty high-bay racking
- Steel coil handling
- Solutions for Precast concrete production

**aBONA**<sup>®</sup>

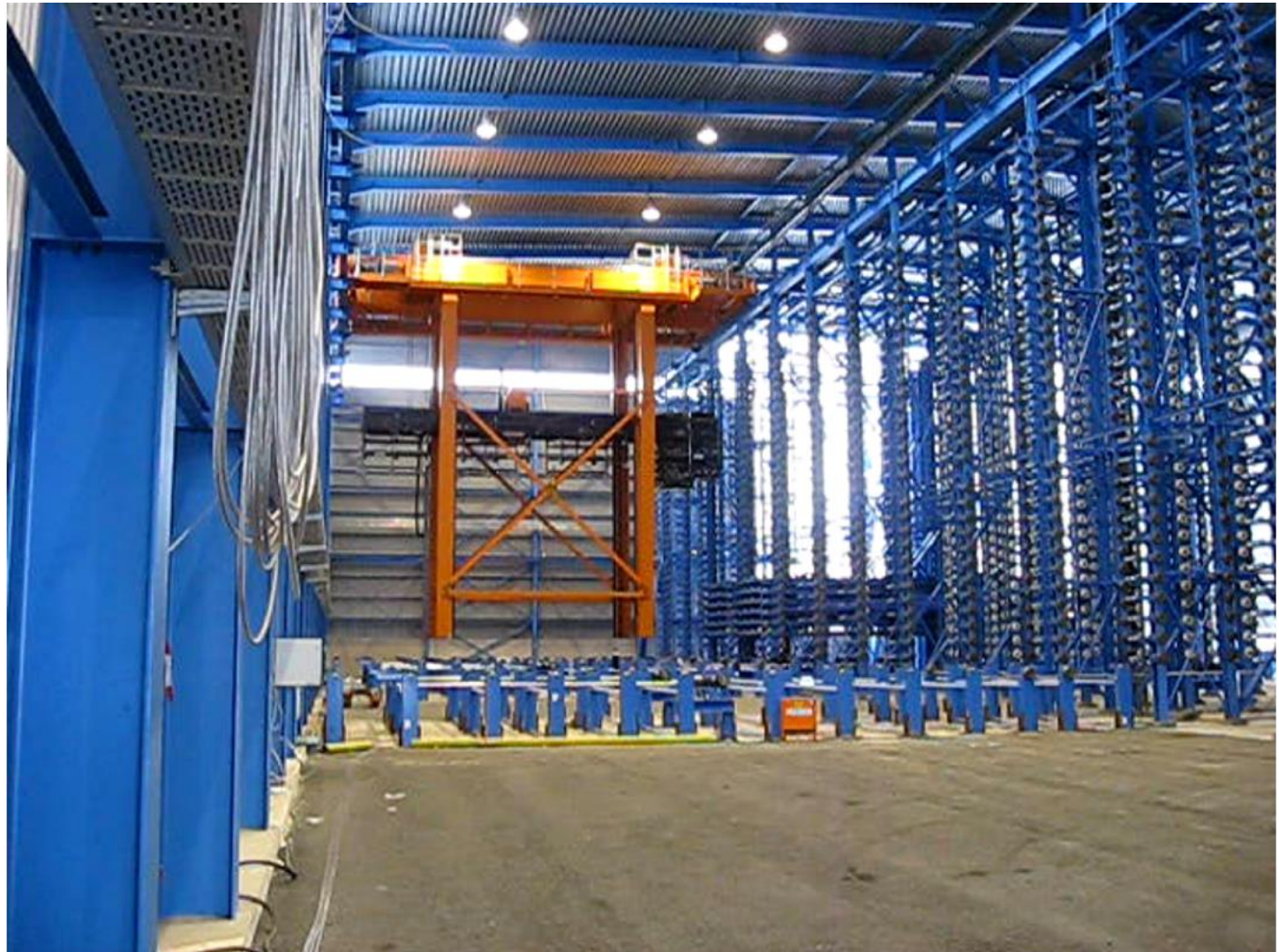
### ERP & Software

- ERP for logistics
- Individual solutions

**SEW**  
EURODRIVE

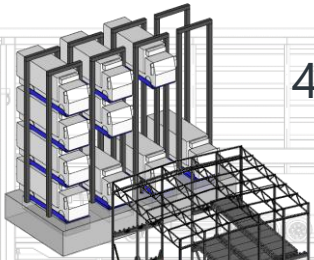
### Drives & Motion

- Automation Technology
- Electric Drives & Gearboxes

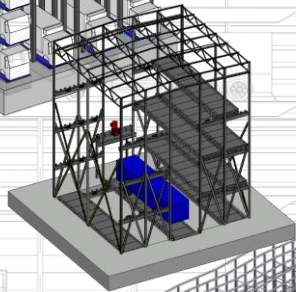




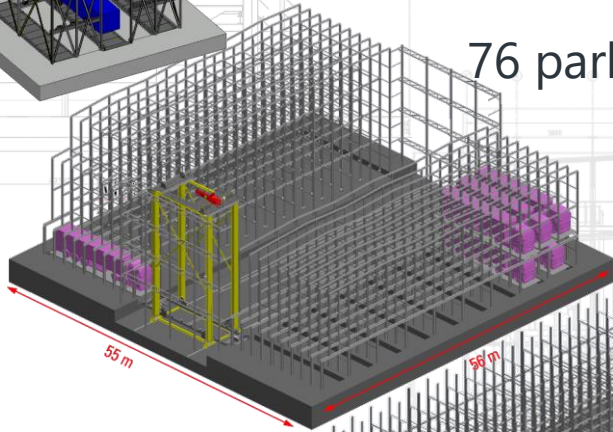
# Customized



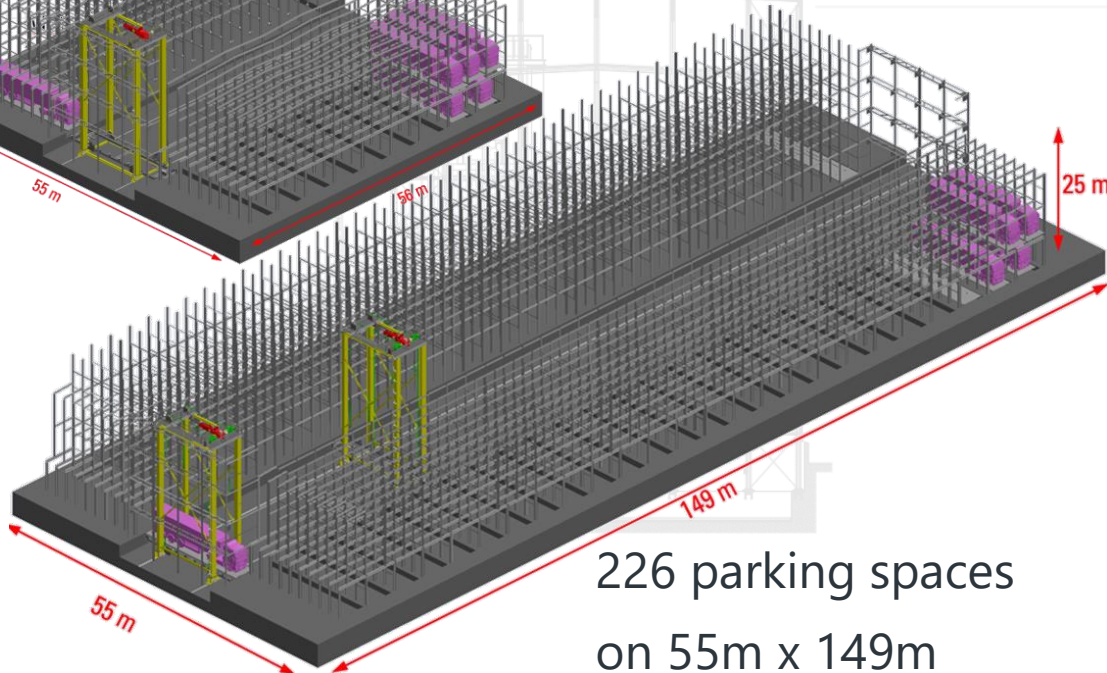
4 LKW (12,5t) on 10m x 4m



20 trailer parking spaces on 15m x 22m



76 parking spaces on 55m x 56m



226 parking spaces  
on 55m x 149m

## ...for your needs

- Property shape
- Trailer / bus / articulated truck / special truck
- Storage and retrieval by the minute
- Electric charging
- Integrated railroad loading
- Truck scale
- Truck detection & tech-check
- Integrated cleaning
- Low CO2 with XCarb



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...for the private and public sector

## basic

- Multiplication of truck parking spaces
- Fast truck provision
- Highest safety level
- Minimal surface sealing
- Centralized parking / pre-storage parking area
- Customized 40t/12.5t/buses

## extended

- Integrated electric charging

## vision

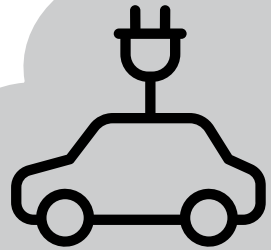
- SmartHubs for autonomous trucks



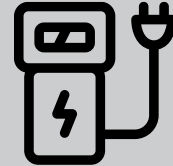
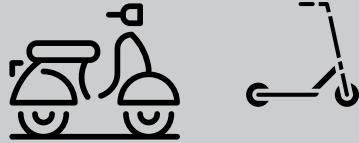


# TRUCKTOWER - open for anything.

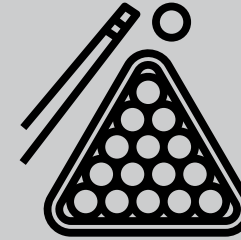
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Rental vehicles to  
get to the next  
town



Charging  
stations



Opportunities  
for  
entertainment

Shopping facilities and  
services



MicrologisticsHub  
for transfer and  
intermediate  
storage of  
trailers and trucks



## Further areas of application

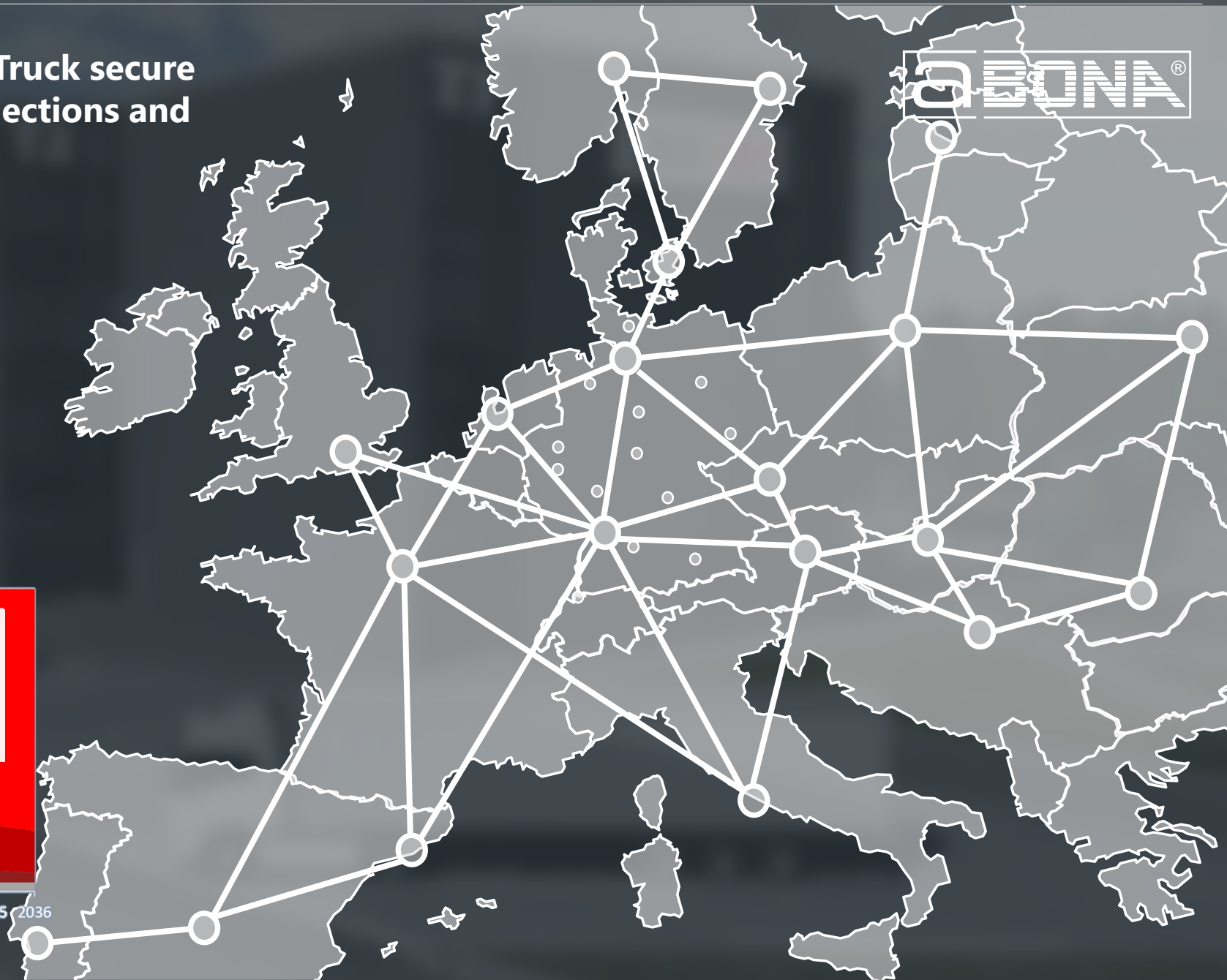
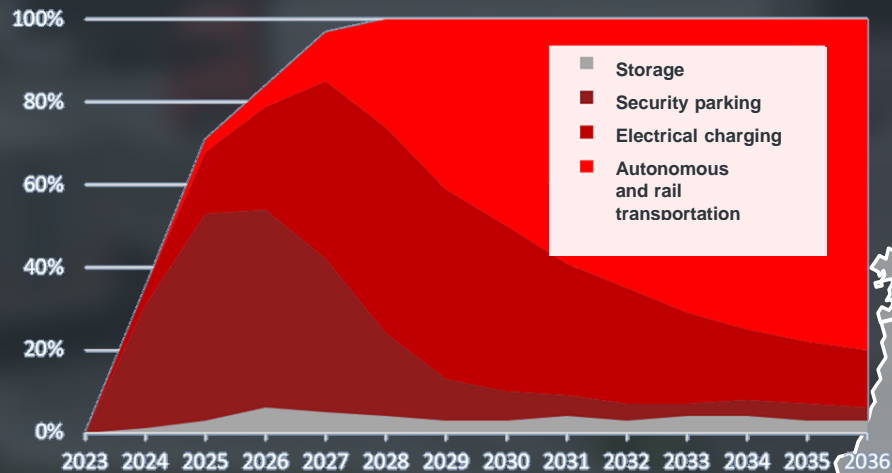
- Depot for municipal transport companies / waste disposal companies
- Large bus companies / forwarding companies
- Train loading stations
- ... wherever there is a lack of parking spaces and land is scarce and expensive

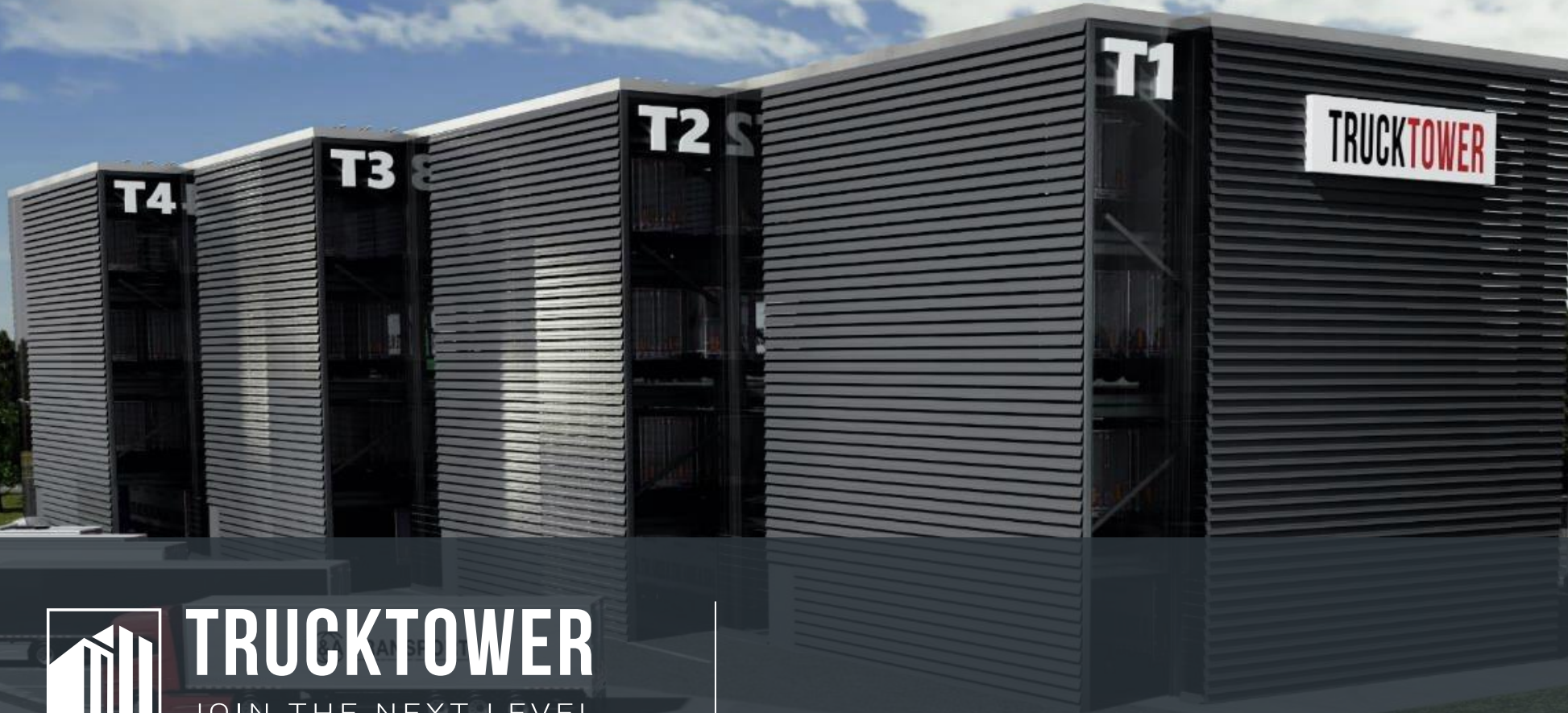


# European public infrastructure for Truck secure parking, electric charging, rail connections and autonomous transportation

- Piloting with 5-7 TruckTowers in DE, NL, AT near TEN-T
- SteP & CEF funding for pilot plants
- Electric charging infrastructure, rail connection, integration for autonomous transportation

Prognosis for the intended use of a public TruckTower





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**Thank you!**

