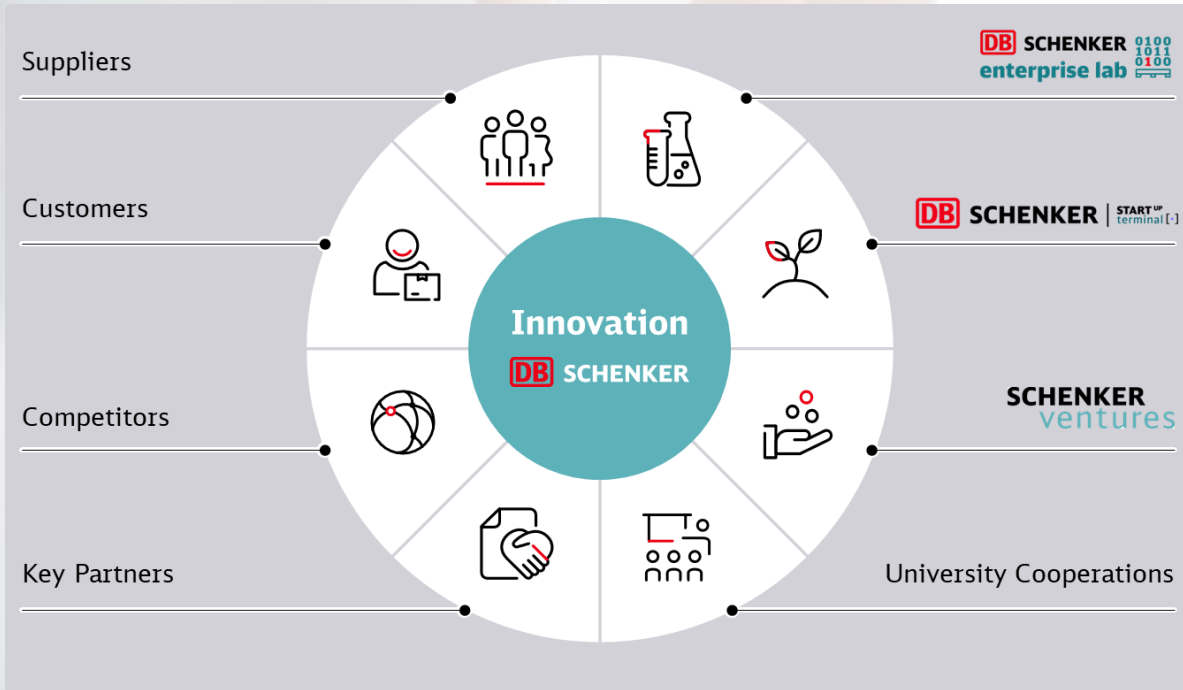


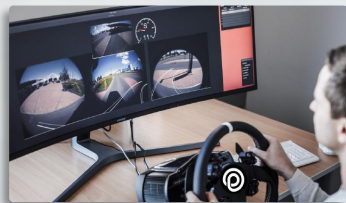


# Logistics of the Future Innovation @ DB Schenker



For DB Schenker

## “Innovation is the process of taking ideas from inception to impact”

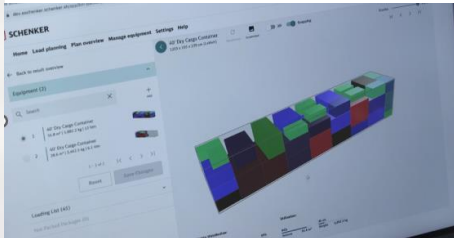




# Logistics of the Future Everyday technology



## BinPACKER

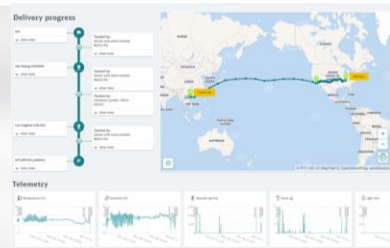


Improve space utilization and transportation costs

Reduce time spend on planning

Improve efficiency by enforcing loading policies

## IoT & Telemetry



True end-2-end visibility across multiple technologies

One platform combining and structuring all shipment relevant data

Real-time tracking of shipment position and conditions

## A-Tag



Visibility with location detection

Temperature monitoring

Security seal disruption alert

Realtime email alert

## 3D Printing



Additive manufacturing much more than a gadget.

Digital storage : Save time on production of small parts

## DB SCHENKER Trend Report 2023



Political and legal, Economics, Social Technological and Environmental trends



# Logistics of the Future Impressions/Cooperation



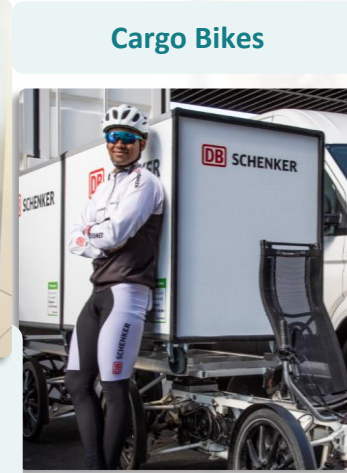
**Fernride Pilot**  
remote truck driving



**Avatour Cooperation**  
virtual warehouse visits



**VR Forklift  
Trainer**



**Cargo Bikes**



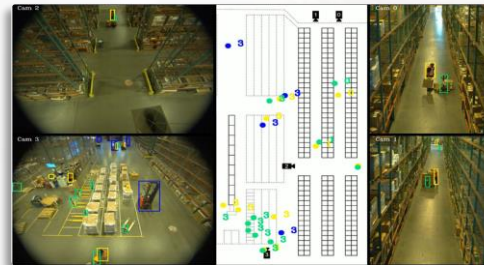
**Volodrone First**  
Public Flight in Hamburg



**Initiation of the Volta  
Truck Cooperation**



**Digital VR Trainings**  
roll out based on a Lab Project



**Video analytics**  
For all Business Units



**Testing Exoskeleton**  
across all DBS divisions



# Logistics of the Future

## Live operations [sample]



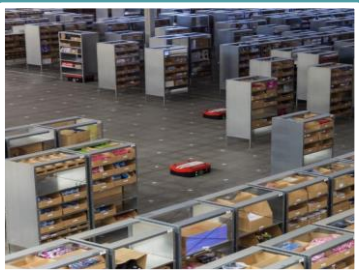
AutoStore



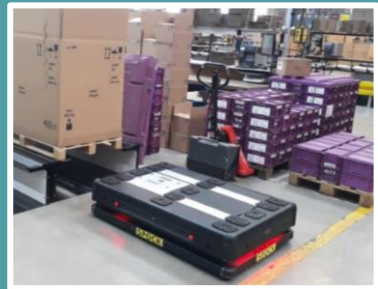
Forklift AGV



Robotics De-palletizing



AMR based Goods-to-Person



Platform AGV



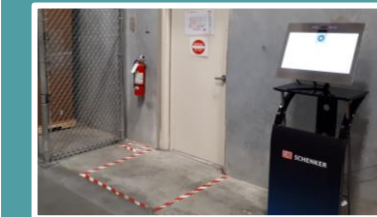
Robotics Pick, Label & Put



Drone Inventory



Tugger AGV



Facial Recognition