



Commercial Vehicle Automation Panel GTC

Dr. Mark Mohr | T – Commercial Vehicle Technology



Emission and CO2

Motivation

Safety

Process Optimization ! TCO

Driver shortage and a "in"

SEE XT THINK X ACT



Technology Transfer and to understand Vehicle Motion Control * &SPs applied in all + segments



PASSENGER CARS



TRUCKS



CONSTRUCTION



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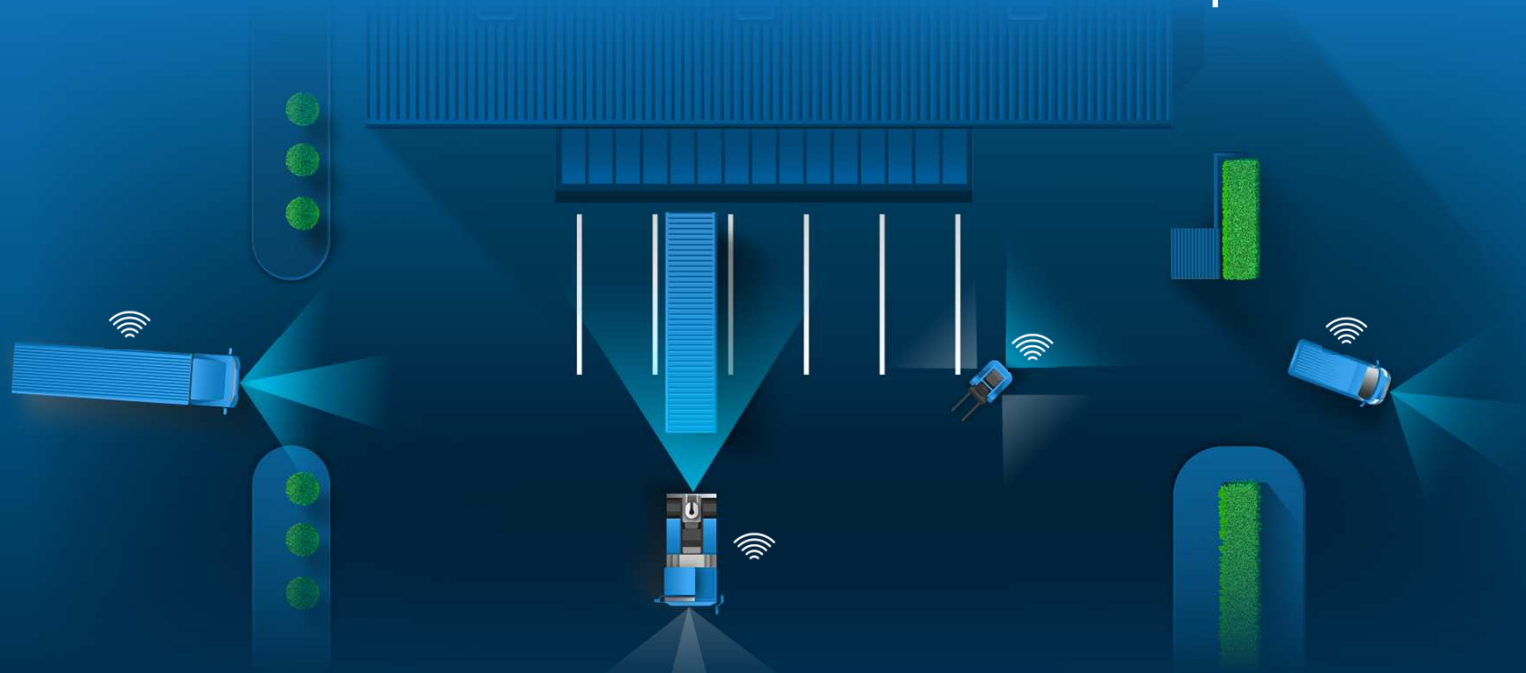
Smart Logistics Powered by 01



01 \$nnovation Truc3 and Terminal (ard Tractor



Smart Logistics around an Autonomous Depot



Vehicle Motion
Control



Electric
Mo/ility



Di"itali ation



Automated
Drivin"



\$nte"rated
Safety



ZF confidential

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Automated S. ap 5ody 6andlin"



- High precision GPS
- Remote Cameras + 5 Industrial Laser
- High performance ECU for Sensor fusion, local as well as global navigation and trajectory planning
- V2V and V2X with ZF OPENMATICS.
Communication with different routing systems
- Traxon Hybrid System with Hybrid management on ZF Controller
- Electron Mechanical Steering System ReAX, as redundant system with combination of column plus gear mounted system available
- Automated pneumatic Leveling System



Sensor & actuator portfolio

Modular CV Platform



Soft. are and functions

01 Pro A\$ CV Platform



see. think. act.



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