

Choosing the right TECH – Identifying the industry changes driving technology choices

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Session 3a – Connected for deliver: outbound IT
and Technology





The Mobility Revolution will inevitably change what consumers will look for in an automaker, and consequently, the kind of help automakers will need from suppliers.



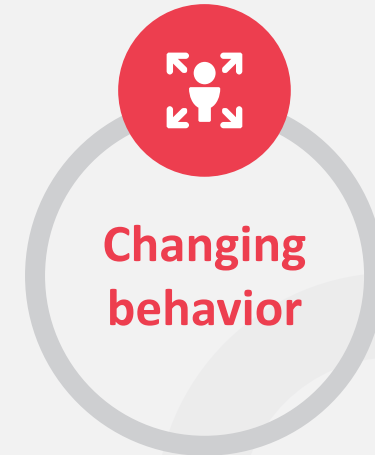
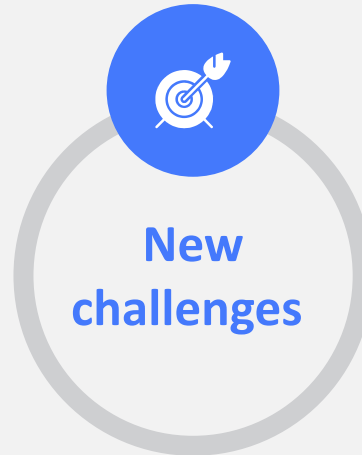
To understand disruption, where it comes from

Vehicle Logistics

OEMs

End-Consumer

 Wallenius
Wilhelmsen



Four mega trends are dominating the automotive industry



Mobility-as-a-Service and Urbanization



Autonomy and Connectivity

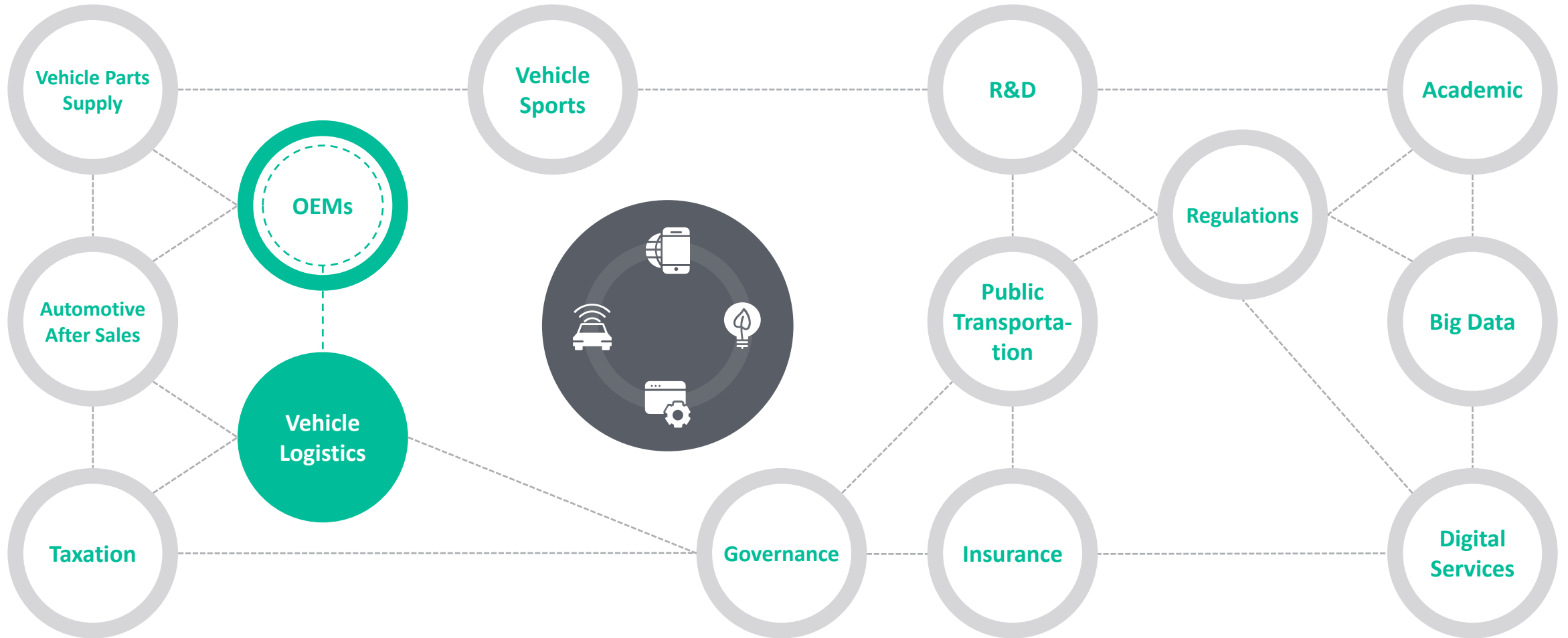


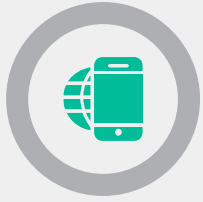
Digital Servicing and Experience



Green Economy

These trends are having a wide impact on the auto landscape





Mobility-as-a-Service & Urbanization

Individual/ shared mobility accessible and affordable to everybody - rethinking the car ownership.

Source: Global Mobility as a Service Mark Report 2018



Trend scope

- Car Sharing
- Car Pooling
- Ride Hailing
- Ride Sharing
- P2P Car renting
- PAYG Mobility
- Taxi Hailing
- Shuttle Service



Autonomy & Connectivity

Autonomous driving and using the car as the next IOT device / smartphone enabled through telematics.

Source: news.ihsmarkit.com, alliedmarketresearch.com



Trend scope

- Autonomous Vehicles
- Car Telematics
- Smart Accessory
- V2V & V2X
- Cyber Security
- Virtual Area Mapping



Digital Servicing & Experience

Digital Solutions reforming the car purchasing process as well as the after market servicing.

Source: researchgate.com, mckinsey.com



Trend scope

- Online Car Purchase
- Car Research
- Comparison websites
- After Sales Marketplaces
- Online Mechanics
- Convenience & Concierge Services



Green Economy

Environmental awareness creates the need for transparency and electrification enables sustainable transportation.



Trend scope

- Electric Vehicles
- Electric Components
- Electric Environmental-friendly production
- Sustainable Supply Chain
- Recycled Material
- Third-party transparency
- Emission regulations

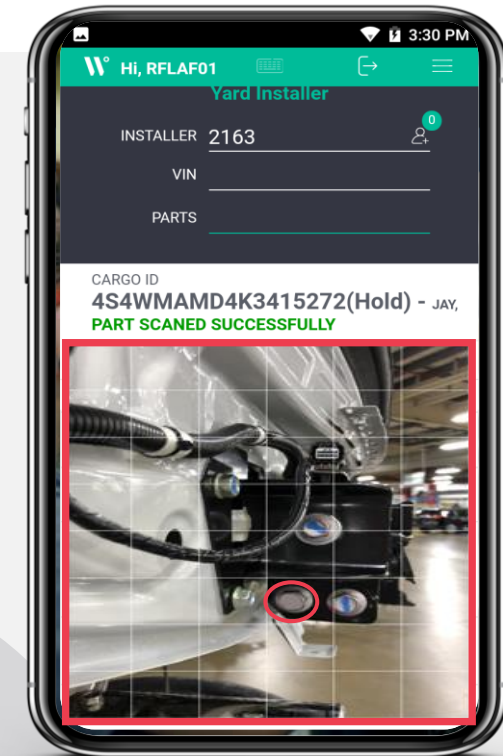
Smart Technology an increasing part of vehicles and logistics

What we are looking at today:

- Visibility tool
- Mobility tool
- Active and passive RFID tags
- Electronic proof of delivery (EPOD)
- Mixed and augmented reality
- 3-D printing

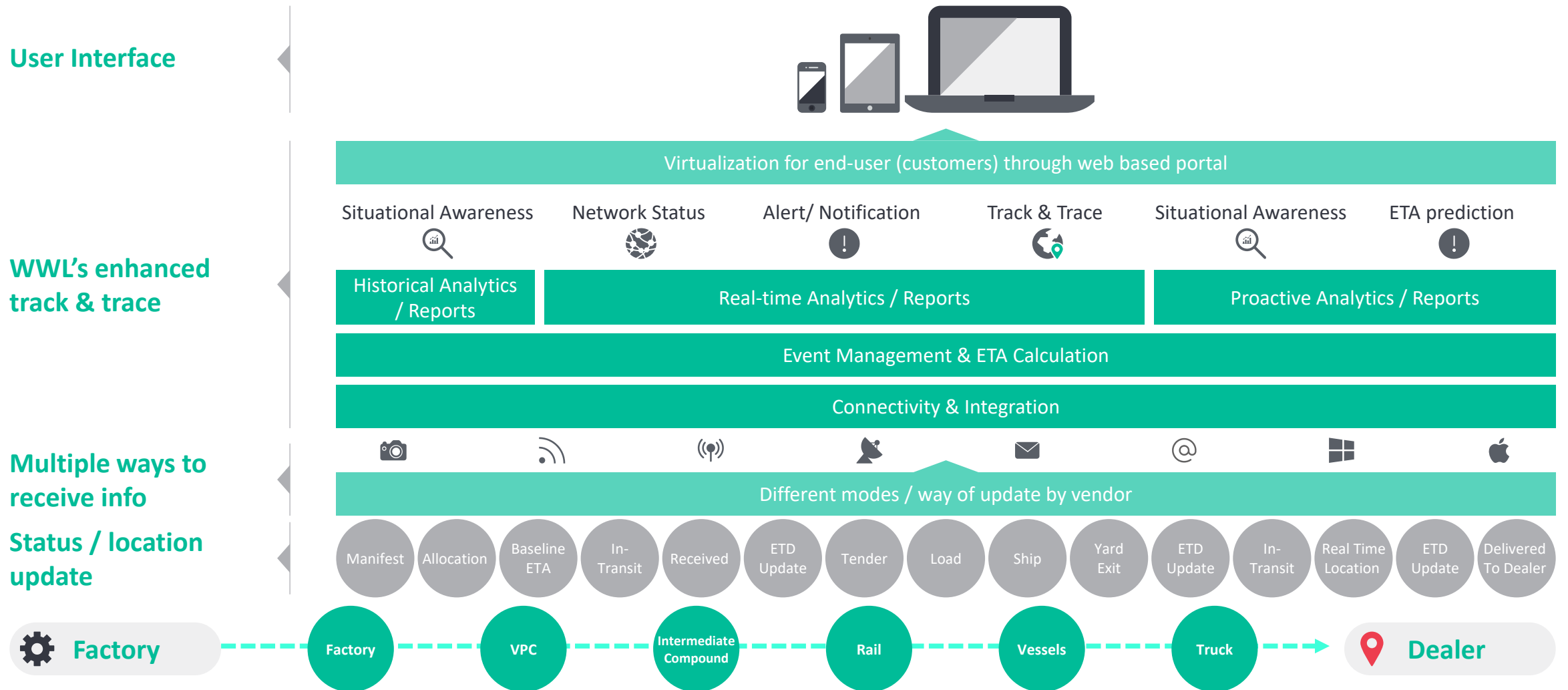
Data Analytics Driving:

- Increased velocity
- Improved quality
- Additional visibility
- More accurate data
- Sophisticated analysis
- Satisfied customers



Visibility

WWL is developing track & trace capabilities to support visibility needs for finished automotive logistics





Dashboards providing key information to decision makers



Thank you!

