



SMART TRAMS FOR SMARTEST CITIES



SKODA GROUP AT A GLANCE



WE ARE ŠKODA GROUP



9.402
employees



7
production sites



30+
nationalities



160+
years of history



891 EURm
revenues in 2022



23 EURm
R&D investments in 2022



PPF GROUP
shareholder

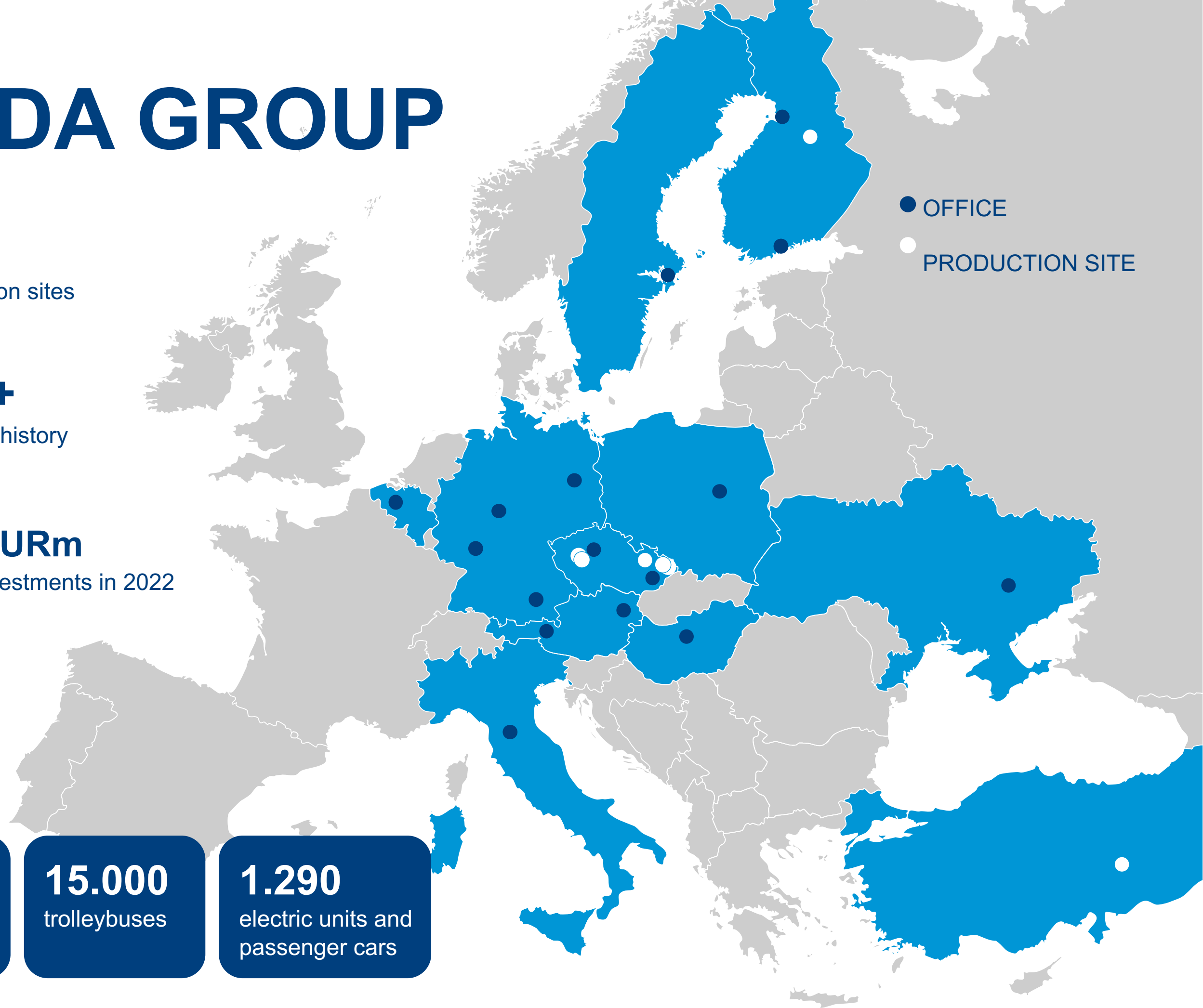
> 5.500
electric
locomotives

837
metro cars

> 1.100
low-floor
trams

15.000
trolleybuses

1.290
electric units and
passenger cars



SMART ARTIC



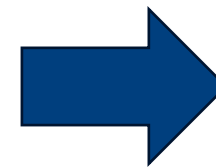
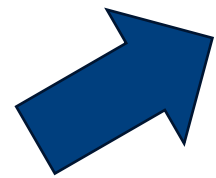
*"The first
100% low-floor tram
with
articulated bogies"*

2013 – Smart Artic Helsinki

SMART ARTIC



2013 – Smart Artic Helsinki



2023 – Smart Artic Helsinki X54 Jokeri



2021 – Smart Artic Tampere



2023 – Smart Artic RNV (Mannheim)

*The world's first
tram with kneeling*

The fully digital tram

The world's longest tram

WHAT MAKES A TRAM SMART?

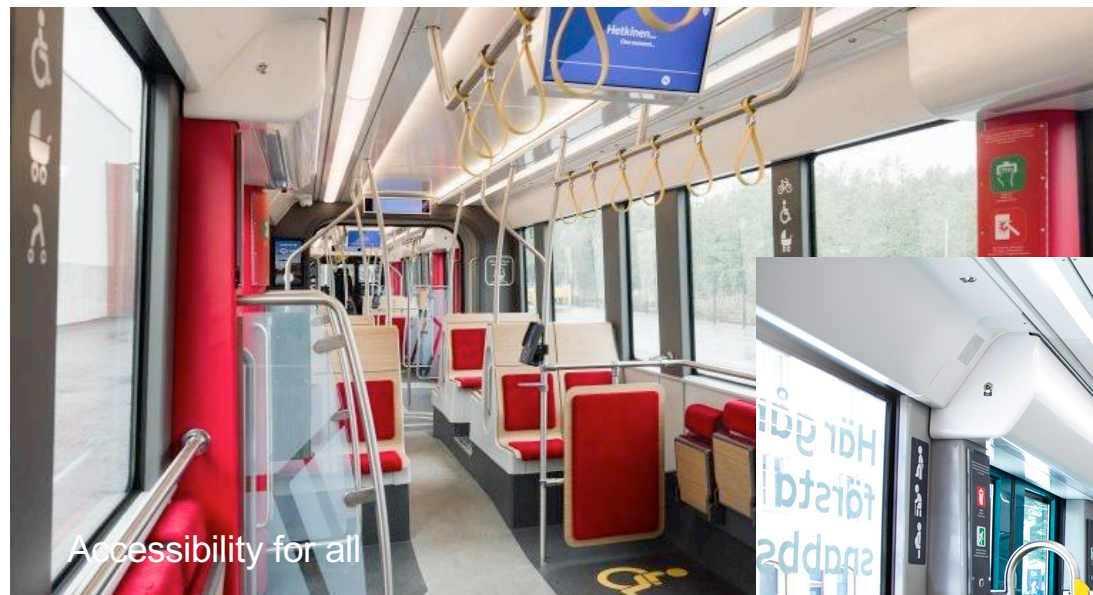
- | Modularity & Adaptability to the City & Operational environment
 - | Each vehicle is optimized to the network it is operating in
 - | Fully Modular approach regarding length, width, interior space, functions...
 - | Low Life-Cycle costs, high availability and high reliability



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WHAT MAKES A TRAM SMART?

- | Modularity & Adaptability to the City & Operational environment
- | State of the Art design and passenger function
 - | Tram vehicle design as a part of the visual identity of the urban scape it operates in
 - | Maximized accessibility and comfort for all passenger groups

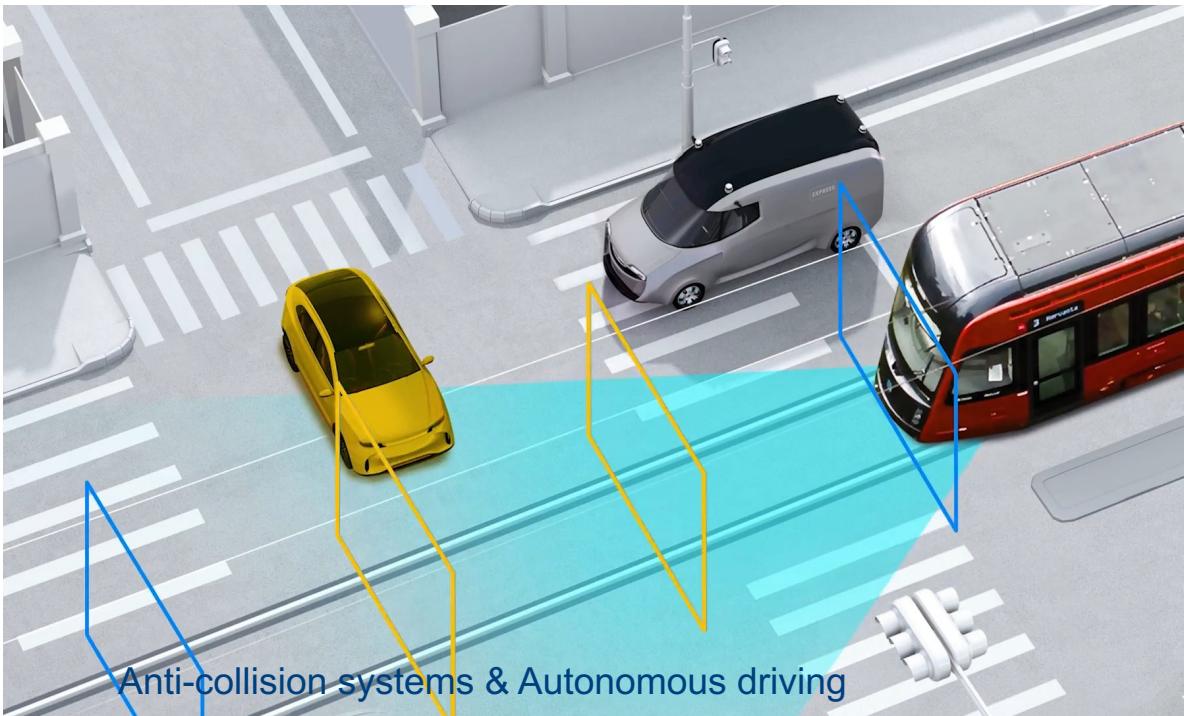


WHAT MAKES A TRAM SMART?

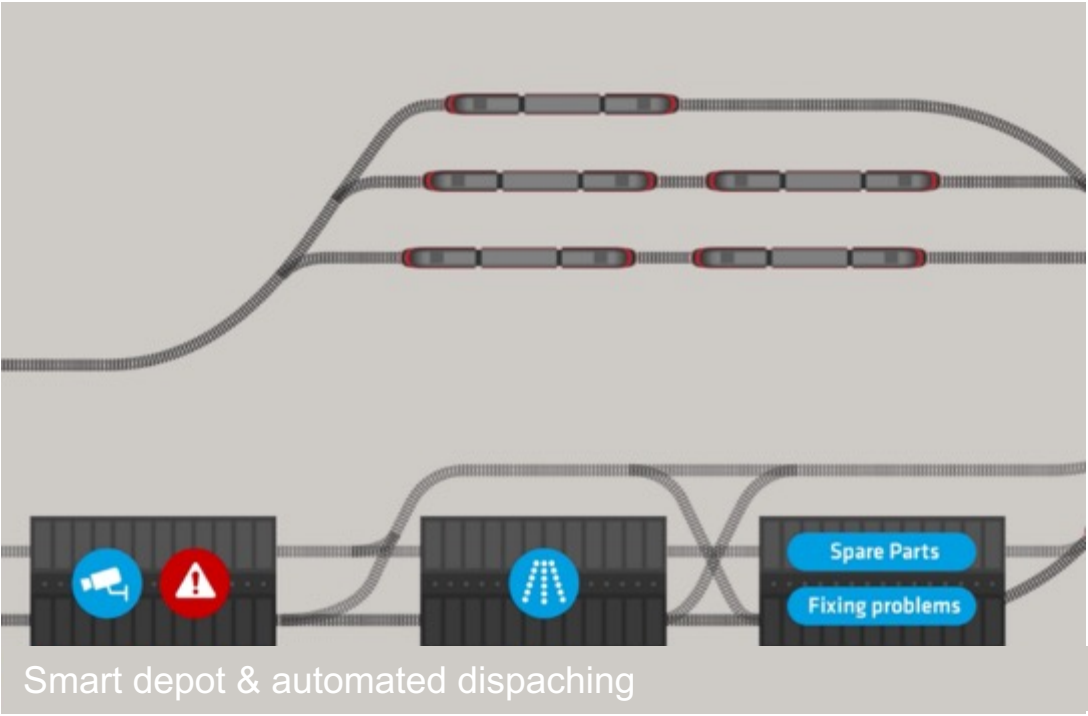
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- | State of the Art design and passenger function
 - | Tram vehicle design as a part of the visual identity of the urban scape it operates in
 - | Maximized accessibility and comfort for all passenger groups
- | Smart Digital Solutions & Innovations

SMART DIGITAL SOLUTIONS

SMART DEPOT / ANTI-COLLISION SYSTEM / AUTONOMOUS OPERATION /
VEHICLE MANAGEMENT SYSTEM / PREDICTIVE DIAGNOSTICS



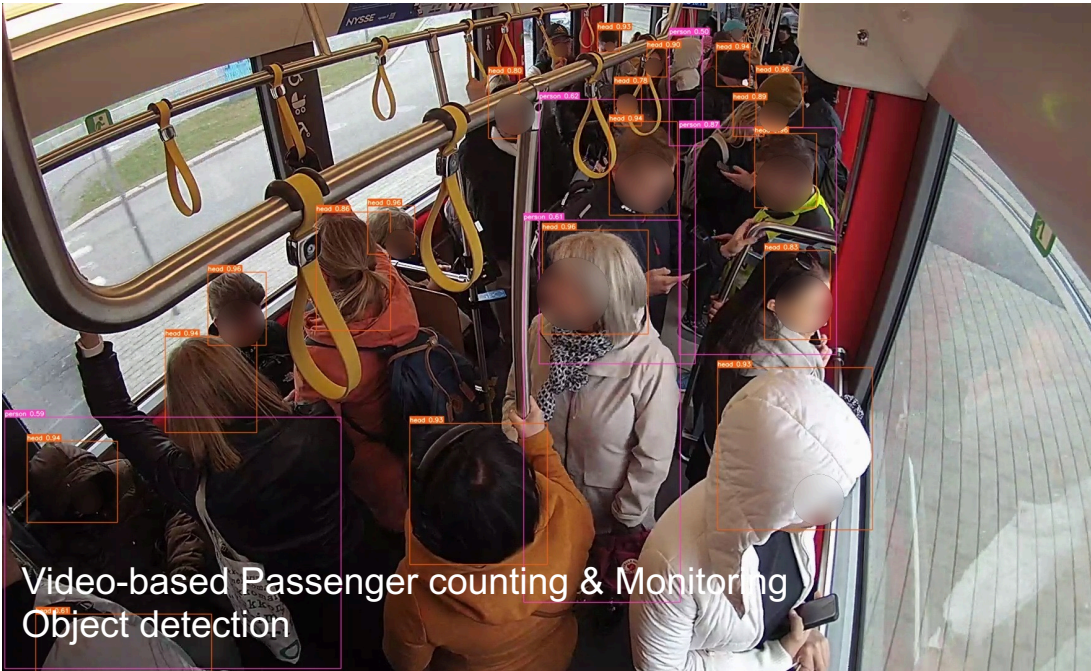
Anti-collision systems & Autonomous driving



Smart depot & automated dispatching



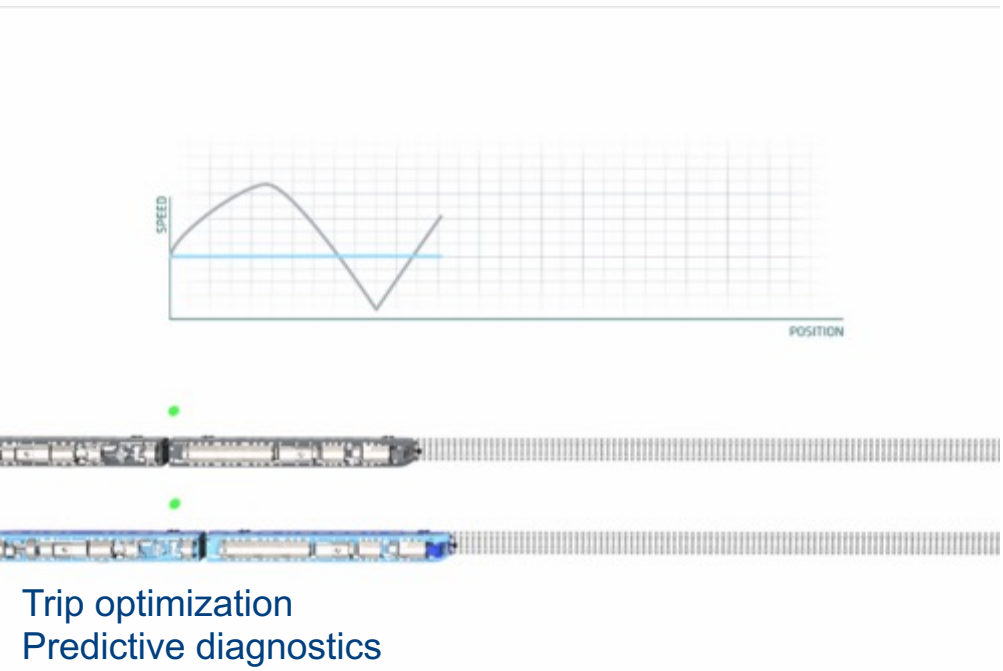
Full Digital twin & Equipment simulators



Video-based Passenger counting & Monitoring
Object detection



Real-time travel update



Trip optimization
Predictive diagnostics



ŠKODA



**SMART
ARTIC**

The Smartest Choice for a Smart City



Christoph Krause

Development & Sales Manager

Skoda Transtech Oy
Part of Skoda Group

christoph.krause@skodagroup.com
+358 44 423 0808