

CONNECTING VEHICLES WITH NETWORKS AND CITIES

THE DATA-DRIVEN JOURNEY FROM DRIVER ASSISTANCE TO AUTONOMY

MARTIN DOLEJSI

ŠKODA GROUP

DIGITAL SOLUTIONS BY ŠKODA

Server applications

Cybersecurity

V2X comms

Automatic Train Operation
Intelligent Speed Limiter

TCMS

Ethernet

Anti-collision system

Multimedia

Smart depot

Diagnostics

Vehicle Safety &
Surveillance Suite

AUTONOMY

VEHICLE CONTROL

MOBILITY APPS

SMART CITY



2000+

RAIL VEHICLES EQUIPPED
WITH ŠKODA PRODUCTS
ARE USED IN THE EU AND
ASIA

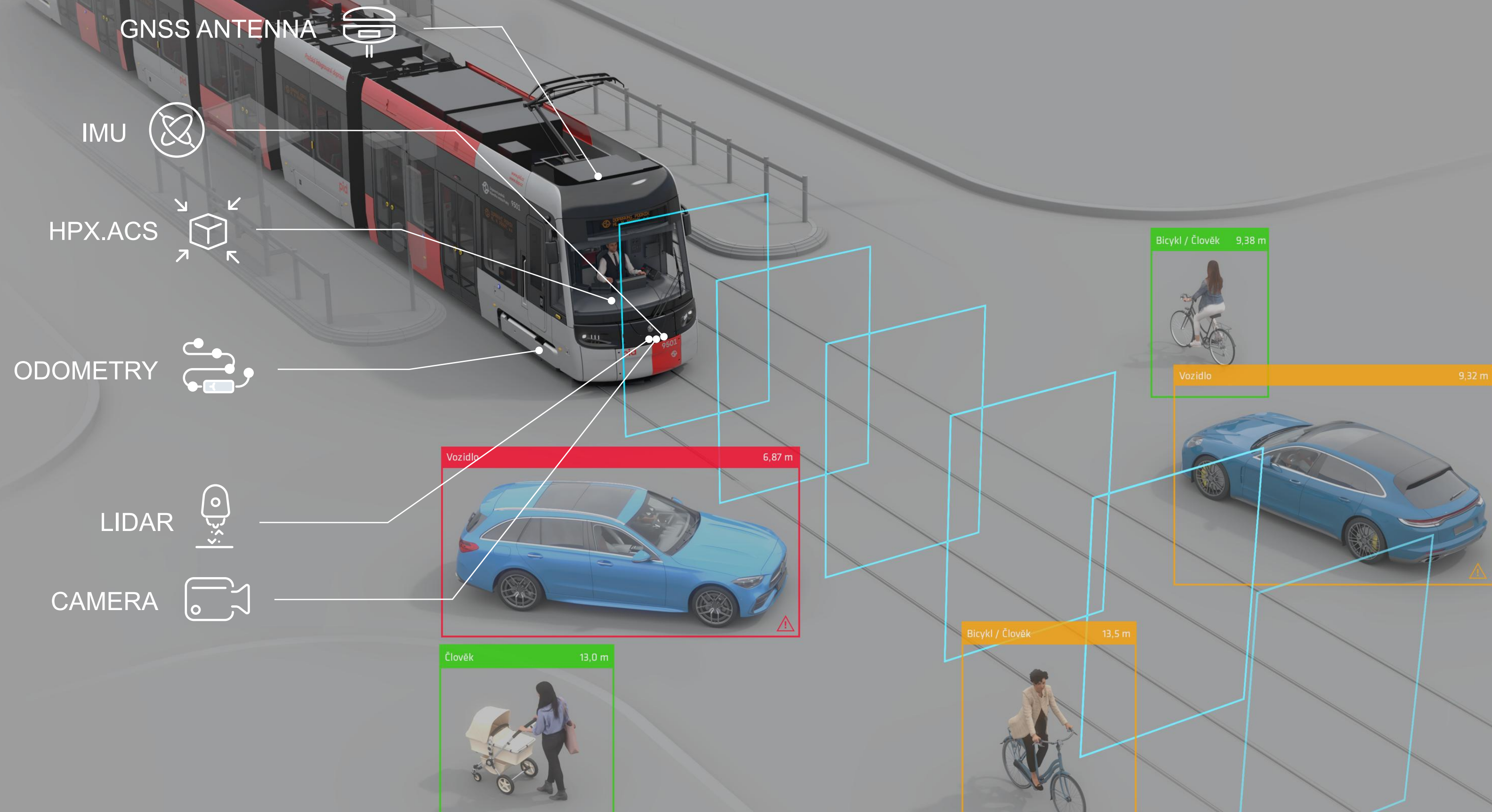


30+

YEARS OF
EXPERIENCE WITH
RAILWAY TRAFFIC
DIGITALIZATION

ANTI-COLLISION SYSTEM

COMPONENTS



HOW ACS WORKS



HPX: THE DIGITAL CORE OF CONNECTED MOBILITY

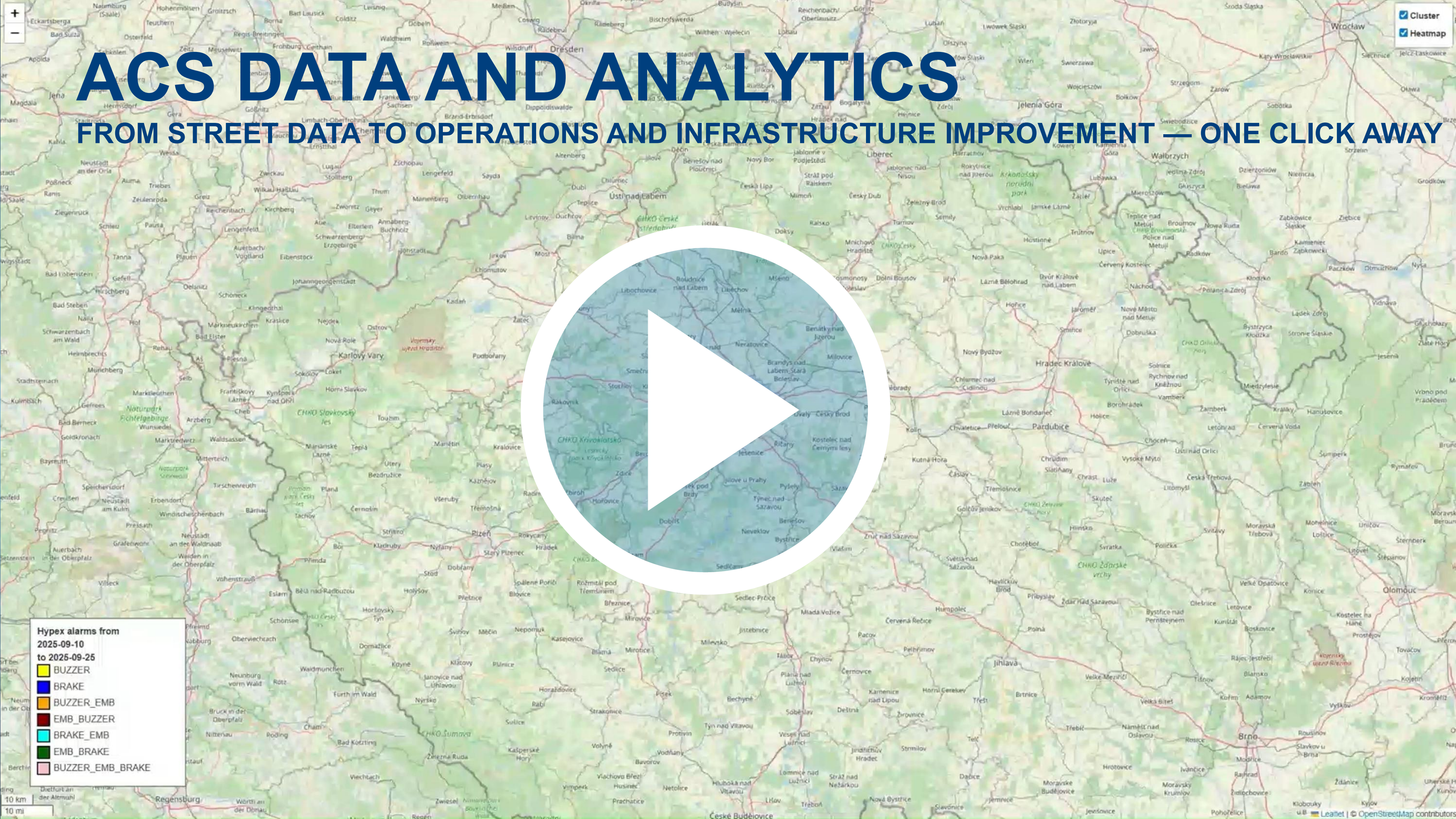
POWERING ADAS, VEHICLE AUTOMATION, FLEET INTELLIGENCE AND SECURE DATA CONNECTIVITY THROUGHOUT THE SYSTEM LIFECYCLE



ACS — PRECISION. PERFORMANCE. SAFETY.

TAILORED TO EVERY CITY: 3D MAP FOR HIGH-PRECISION OBJECT RECOGNITION & AUTOMATIC SYSTEM SENSITIVITY ADJUSTMENTS.





ACS DATA AND ANALYTICS

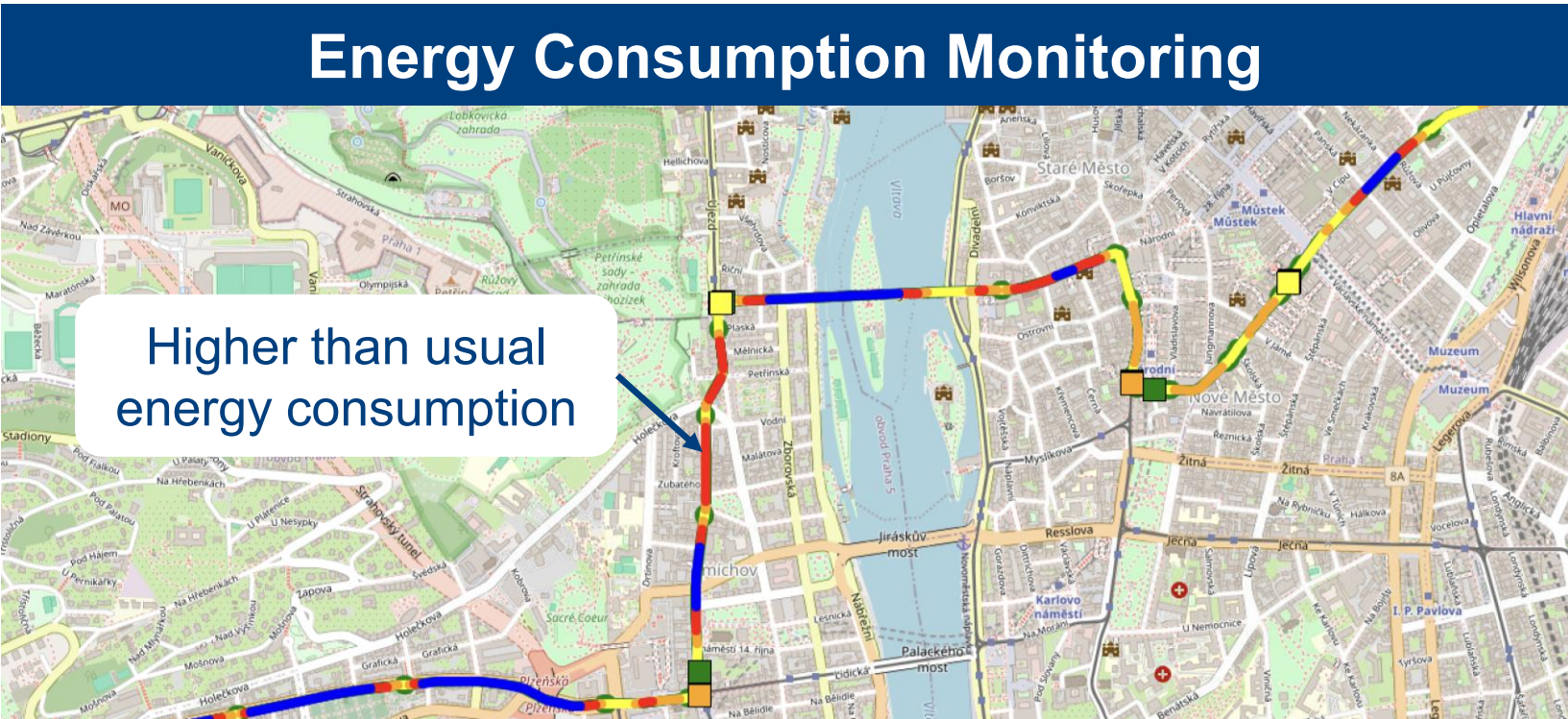
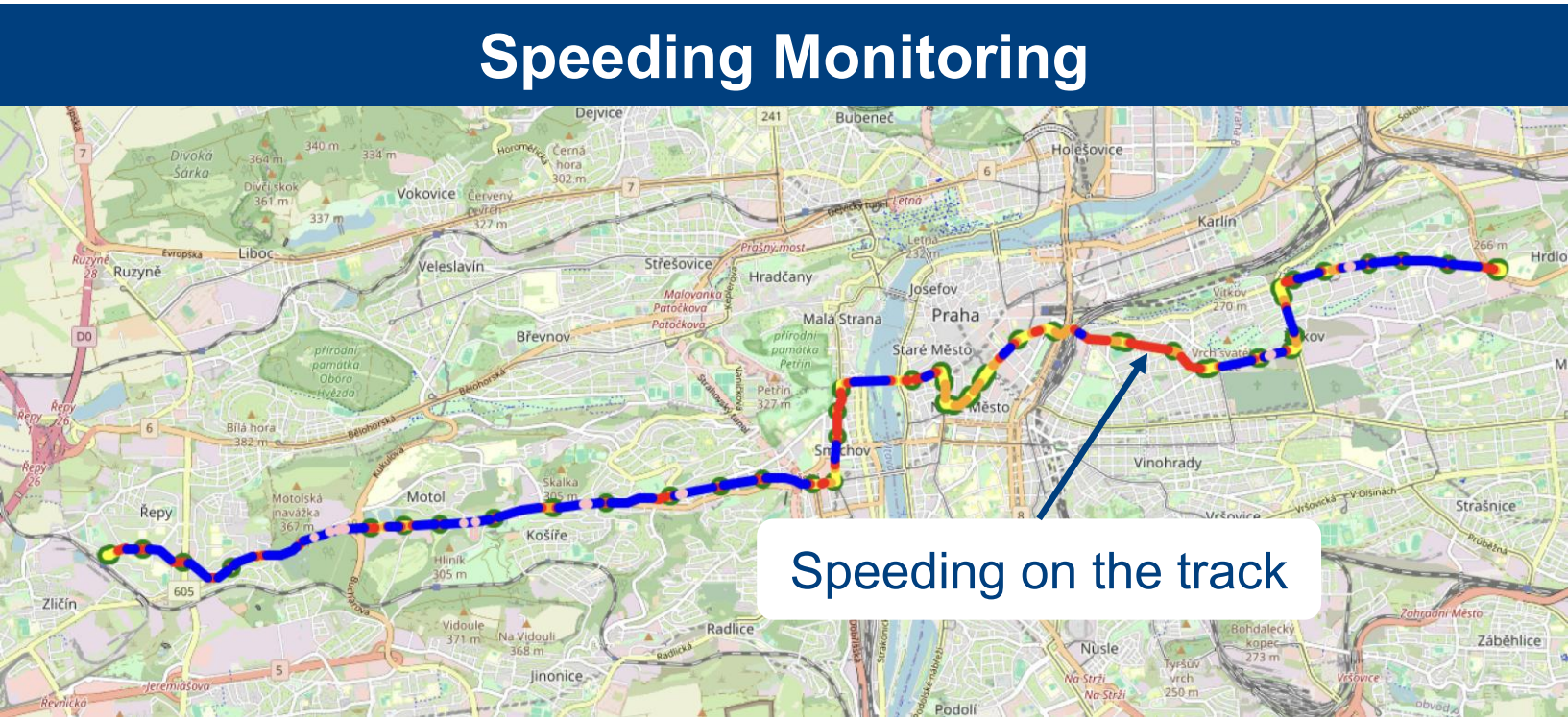
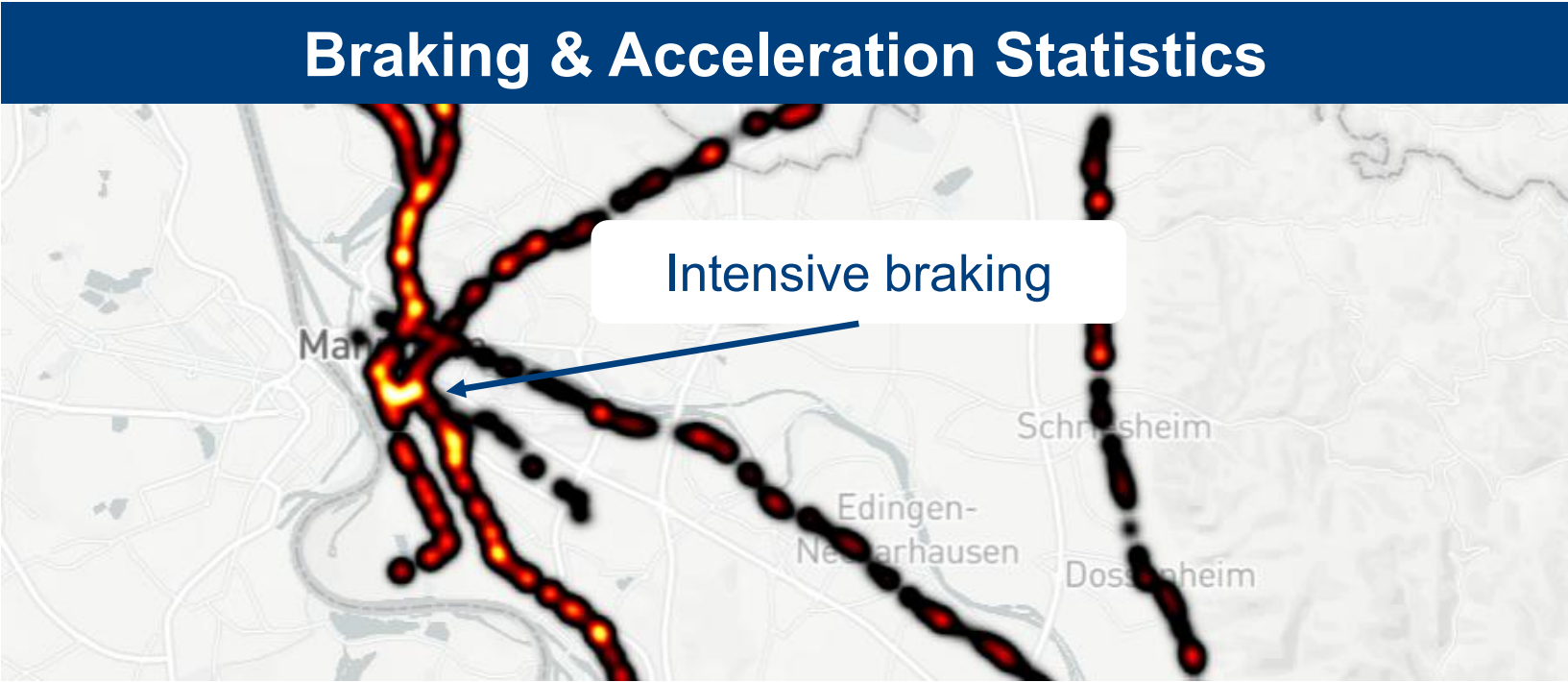
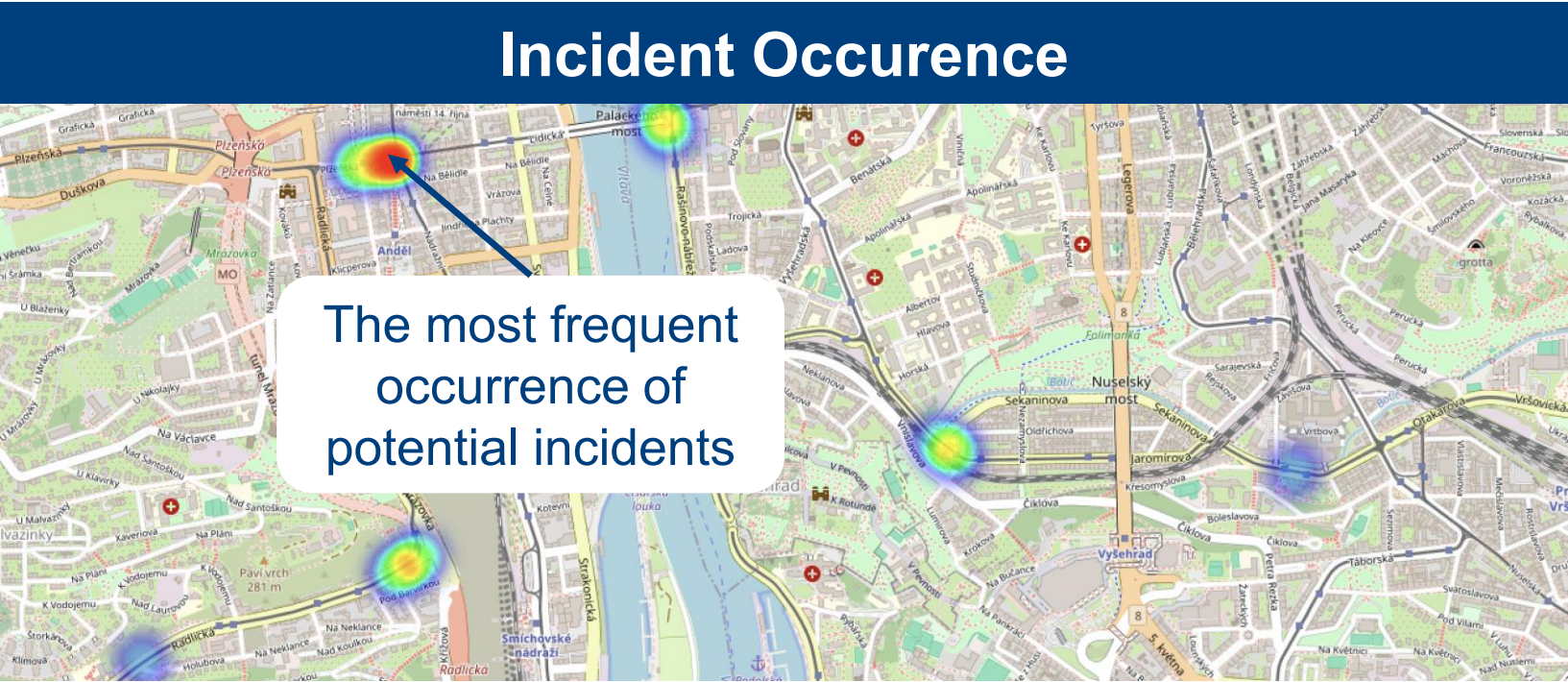
FROM STREET DATA TO OPERATIONS AND INFRASTRUCTURE IMPROVEMENT — ONE CLICK AWAY

Hypex alarms from
2025-09-10
to 2025-09-25

- BUZZER
- BRAKE
- BUZZER_EMB
- EMB_BUZZER
- BRAKE_EMB
- EMB_BRAKE
- BUZZER_EMB_BRAKE

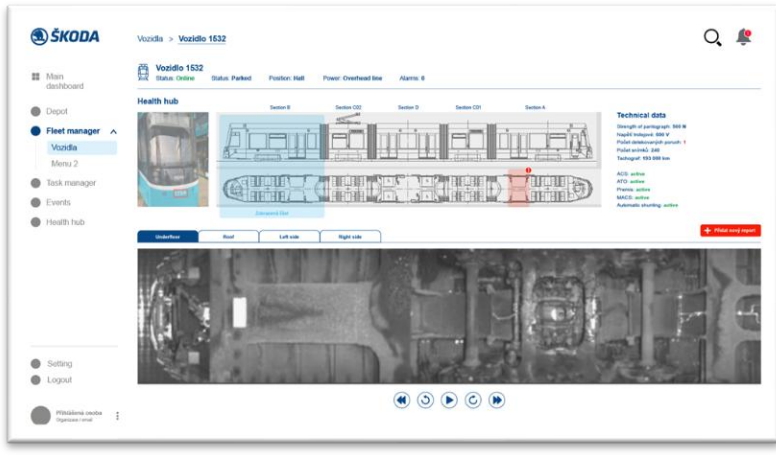
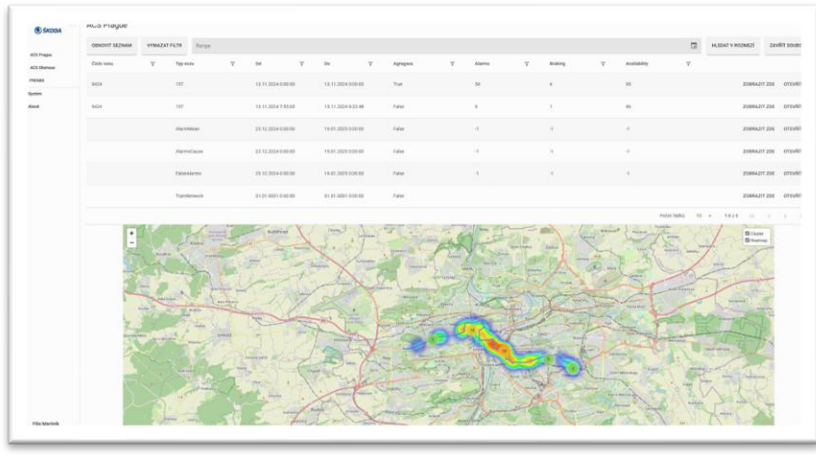
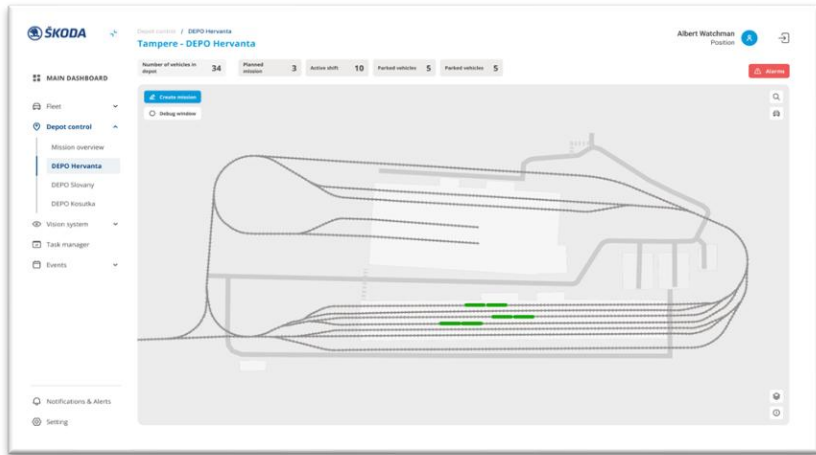
ACS DATA AND ANALYTICS

HOLLISTIC NETWORK INTELLIGENCE VISUALISED IN ŠKODA FLEET MANAGEMENT



SMART DEPOT ECOSYSTEM ELEMENTS

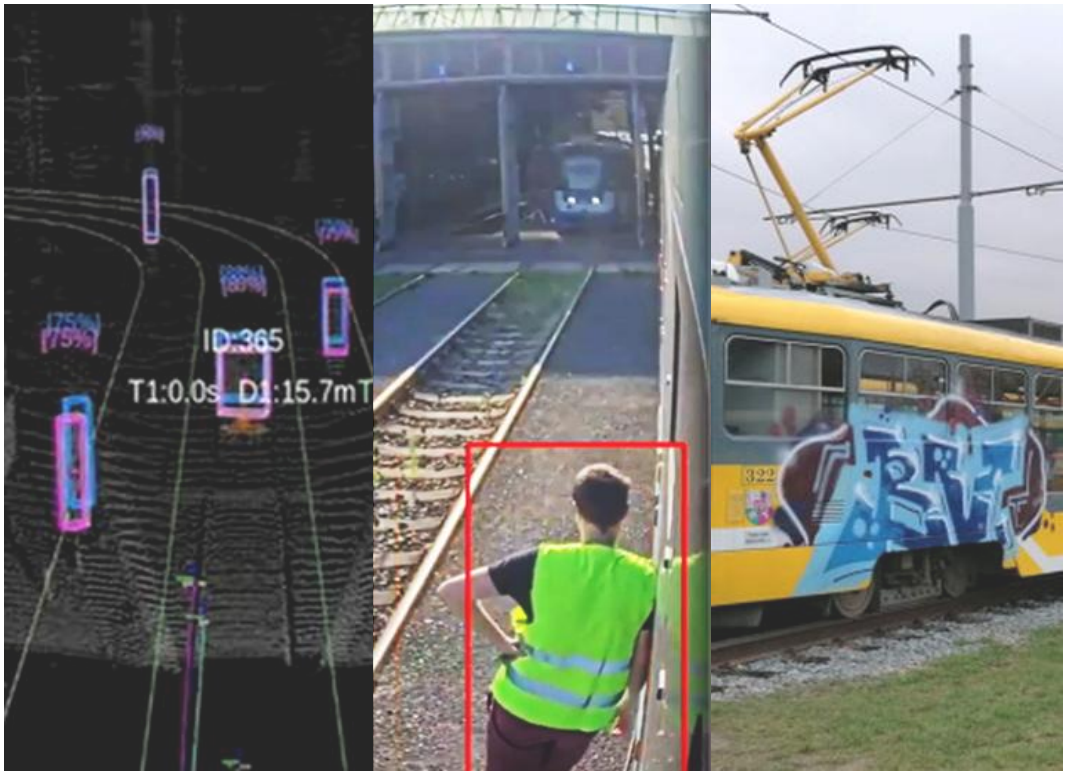
DIGITAL DEPOT



AUTOMATIC SHUNTING



ADAS & PERCEPTION SYSTEM



AUTOMATIC VISUAL INSPECTION



SMART DEPOT ECOSYSTEM



AUTONOMY IN ACTION: TAMPERE SMART DEPOT



ŠKODA VISUAL INSPECTION

REDUCE MANUAL WORK. CATCH ISSUES EARLY.





CAN WE GIVE YOU MORE INFORMATION?



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