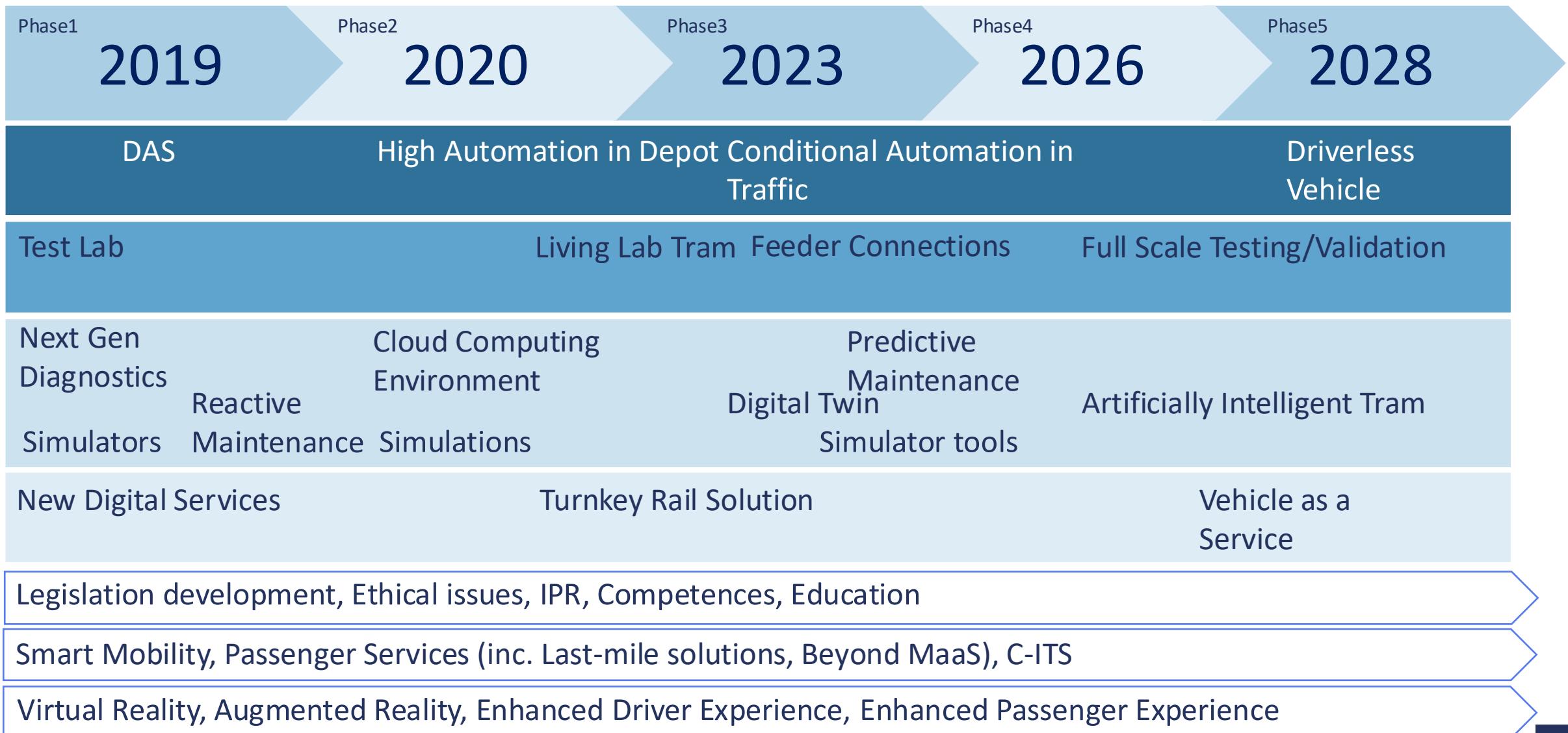


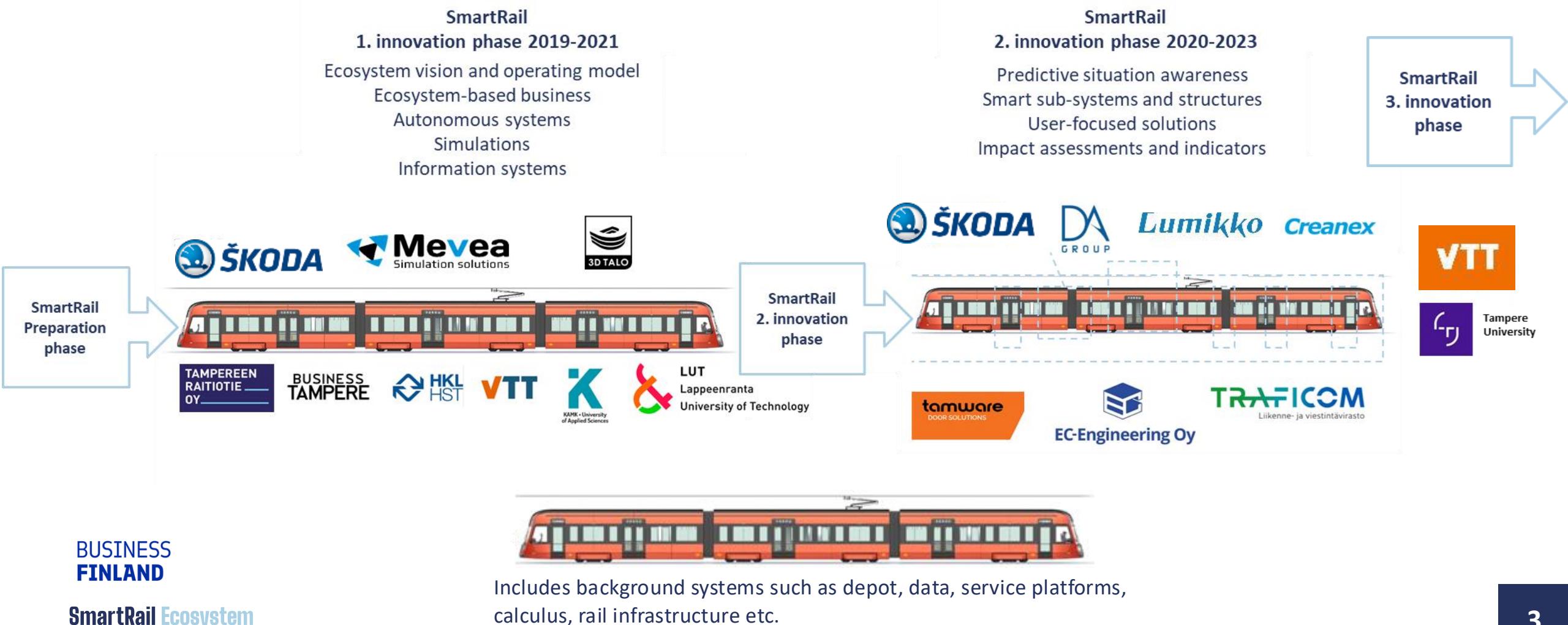
Experiment-driven product development: Case SmartRail Ecosystem

Toni Lusikka
VTT

SmartRail Ecosystem Technology roadmap

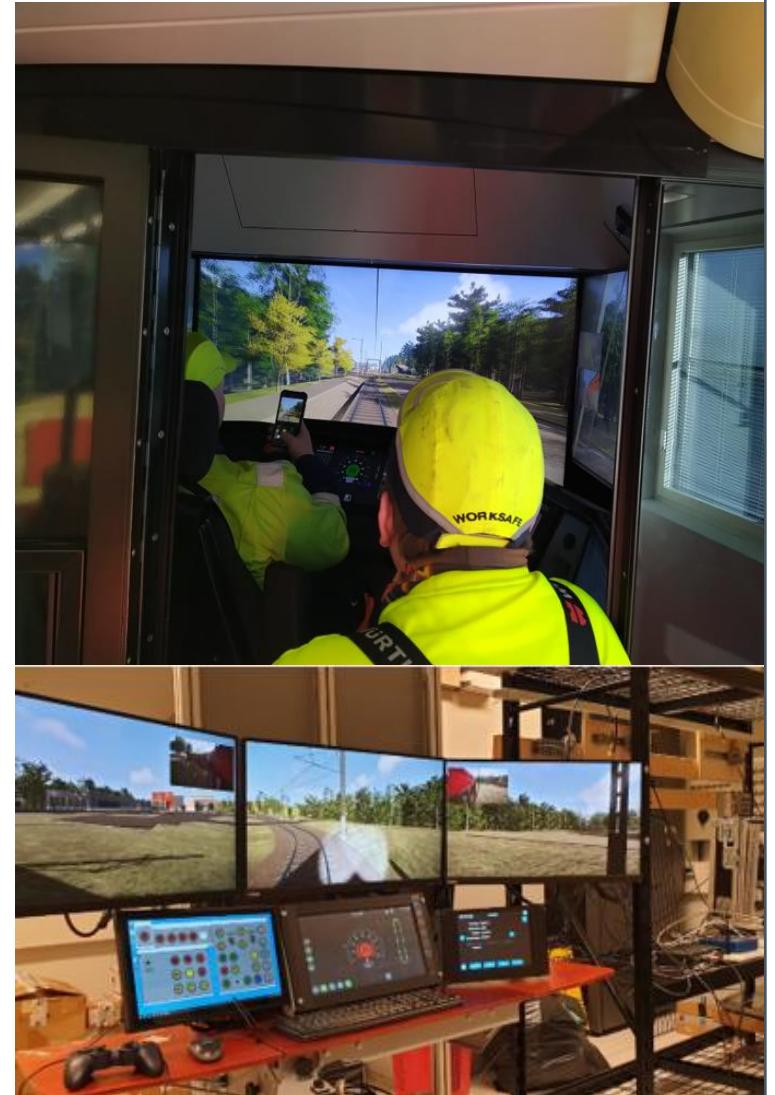


SmartRail Ecosystem evolves in phases supported by Business Finland



Training simulator

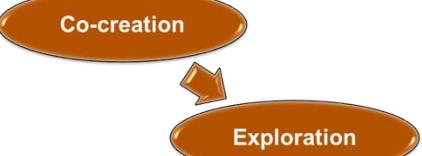
(Skoda Group - Creanex - 3D-talo - KAMK - Tampere Tramway – (VTT))



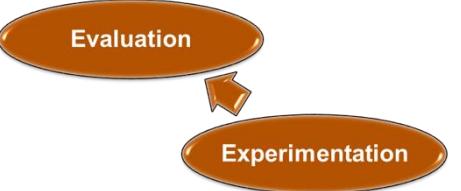
Photos: Skoda Transtech

Experiment-driven product development

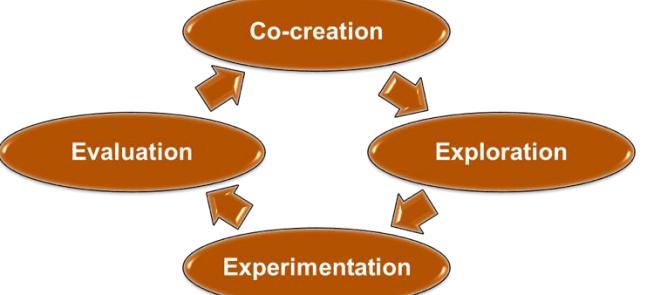
Test idea:



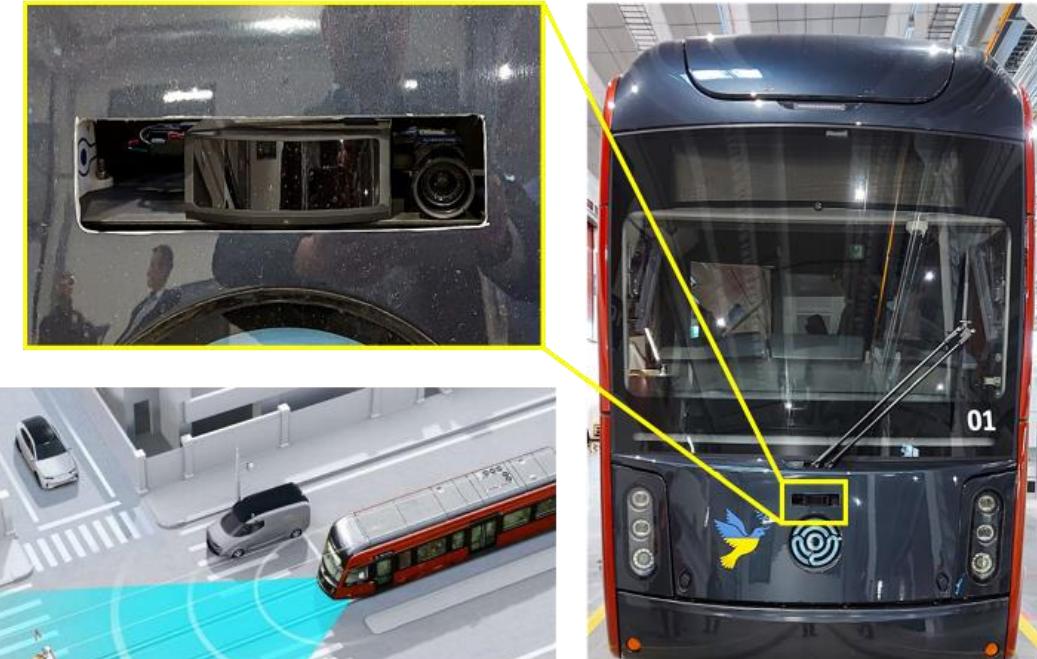
Test mature product:



Co-create from idea to product



Anti-Collision System
(Skoda Group - GIM Robotics Oy - Tampere Tramway - Prague)



Photos: Olli Pihlajamaa, VTT

Components



The components of Anti-Collision System components. (Copyright: Škoda Group)

Towards smart urban mobility in the 3rd phase of SmartRail

SmartRail

3. innovation phase 2024-2026

Autonomous systems

Smart mobility & value-added services

Traffic management and safety

Ecosystem-based business

ŠKODA

SmartRail Ecosystem

Living Lab -methodology

Arviointi
Kokeilut
Yhteiskehitys
Toteutus

Research data space

Open data

VTT



Tampere
University



TAMPERE

BUSINESS
FINLAND

SmartRail Ecosystem

SOLITA

Simulation environments

Depot

Passengers

PayiQ®

Digital services

Travel chains

Stops

Urban
infrastructure



Automatic feeder traffic



NODEON

Aventi
Engineering the flow of the future

tieto Tech Consulting

tietoevry

Building Trusted
Digital Societies

Tietoevry Veturi Programme

Thank you!

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VTT