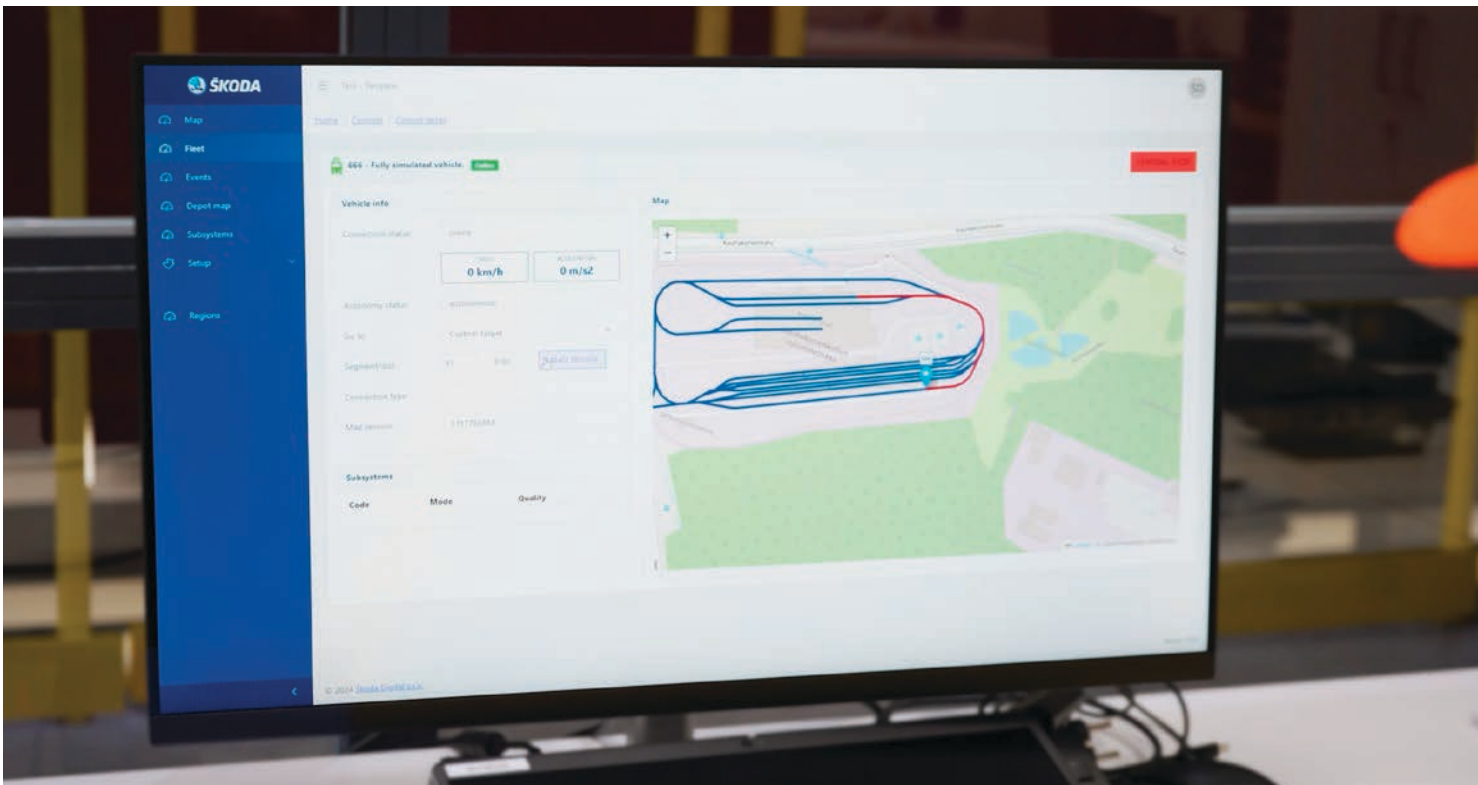




# SMART DEPOT



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Smart Depot is a family of products that includes automation and digitization of depot operations using automated vehicles and AI-based control technologies.

The aim is to increase the productivity and efficiency of key tasks performed in depots. The project introduces a group of products that together form an automated depot ecosystem. The products can be deployed individually or used together according to customer specifications and requirements.

All product functionalities are designed to automate processes in the tram depot. The Smart Depot Ecosystem is designed to increase

productivity, reduce operating costs while providing a safe and efficient working environment.

Features like Automatic Shunting and Remote Control can ensure vehicle driverless operation which, together with automatic visual inspection, can further be used for complex automation tasks within the depot. Other automation use-case enables automatic tram operation on turning loops, automated tram wash passage, fleet management and more.

## KEY FEATURES

- | Savings on depot staff costs
- | Availability and utilization of qualified personnel
- | Problems to find qualified staff on the market. The staff can then focus on their job instead of dealing with shunting vehicles (e.g. mechanics)
- | Releasing people from routine and inconvenient work e.g. night shifts shunting, stop & go and waiting on turning loops
- | Safer operational concept in depot by defined areas and no-go zones for people on which trams are operated autonomously
- | Experience, confidence and first step for further autonomous operation

## PRODUCTS OF SMART DEPO

- | Automatic Washing – Driverless operation in tram wash
- | Automatic Shunting in Depot – Driverless operation in Depot
- | Automatic Turning Loop (GoA2+) – assisted driving at turning loops
- | Automatic Turning Loop (GoA4) – automatic driving at turning loops
- | Vehicle Self-Surveillance
- | Safe Departure Assistant
- | Remote control
- | Fleet Management
- | Vehicle Visual Inspection