

# Projects and Services

A silver Skoda car is parked at a charging station in a parking lot. A woman is standing at the charging station, and a man is standing near the car. The background shows a modern building with a wooden facade. The scene is set during the day with a clear sky.

# Qinshift

# QINSHIFT

A global technology company designing innovative solutions and providing superior business consulting to multinational companies worldwide.

7,000+ technical experts designing software and delivering end-to-end enterprise solutions.

- Digital transformation
- Business consultancy
- Architecture
- Innovative development
- Mobile apps
- AI and ML
- Visionary UI/UX
- Project management
- Cloudification
- Quality assurance & testing
- Data & analytics
- Managed services
- 24/7 operations
- SOC
- DevSecOps, automation
- XR Consultancy and Development

# Projects and services overview

## with Škoda and VW Group

- 01 MyŠkoda app**
- 02 RAda (Reporting & Analytical Dashboard)**
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# MyŠkoda app

Škoda Auto partnered with Qinshift to develop the MyŠkoda app for vehicle management and connectivity for both Android and iOS.

The project features real-time vehicle status, remote control, safety alerts, driving data analytics, parking assistance, geofencing, service scheduling, and voice assistant integration.

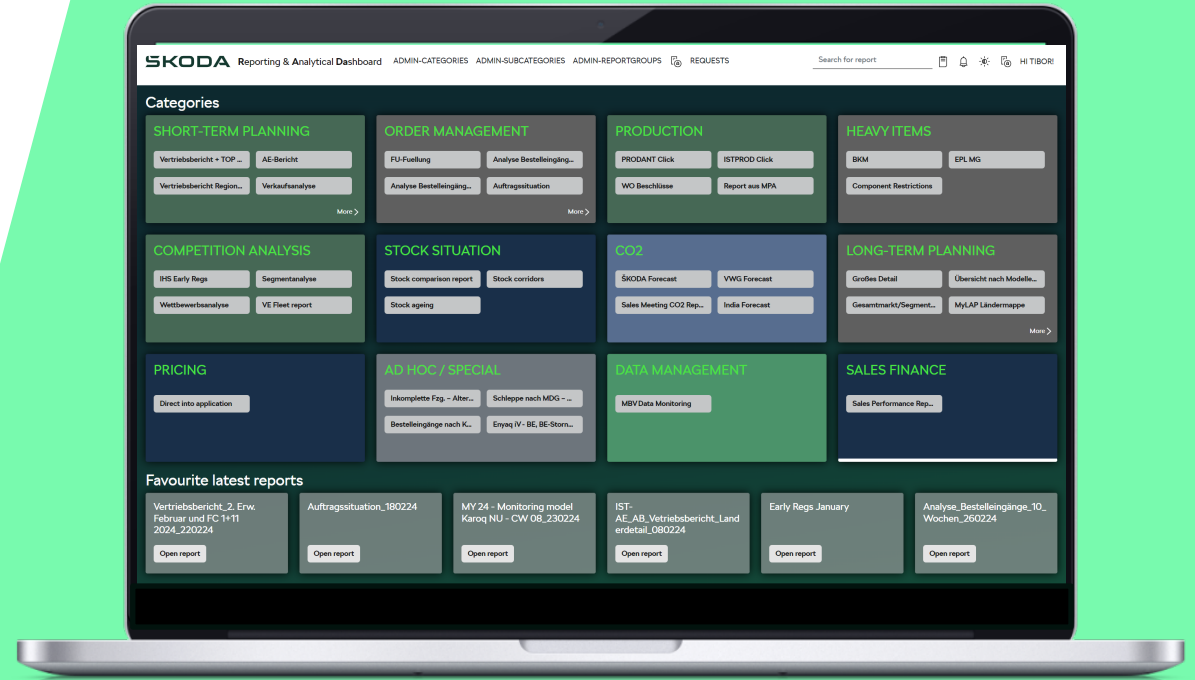
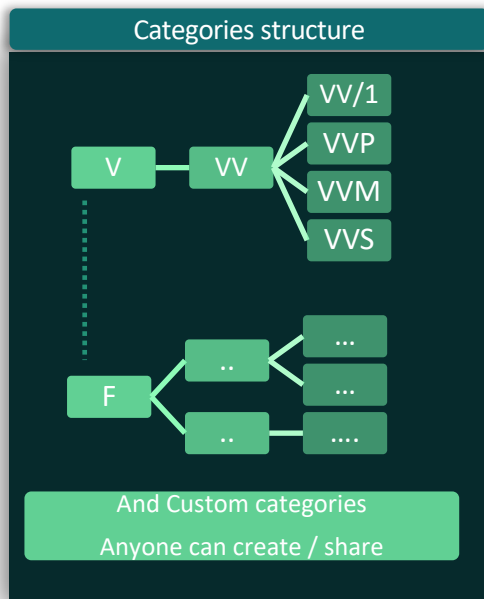
This project utilized agile methodologies, ensuring cross-platform compatibility, data security, and seamless vehicle system integration, significantly enhancing the driving experience and customer satisfaction.



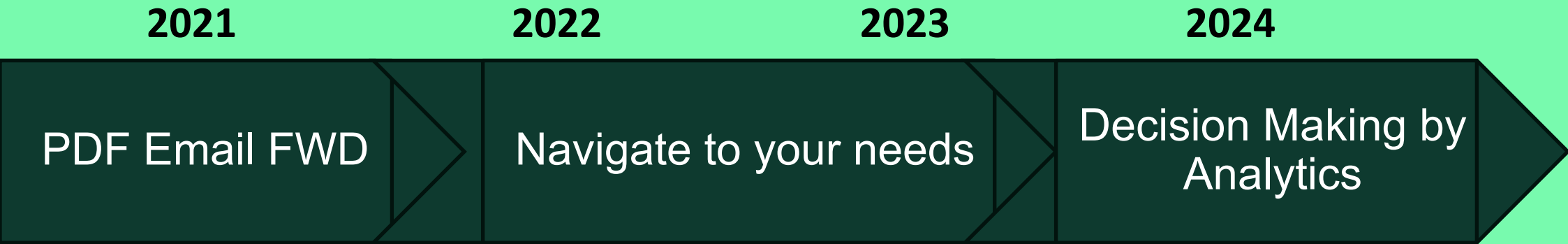
# RADa (Reporting & Analytical Dashboard)

Application RADa – (Reporting & Analytical Dashboard) groups, archives and displays all reports created within V area in one place.

Thanks to this, the user has access to all reports whenever he needs and can view those that are relevant for him.



# Bring actionable intelligence to decision makers



- Default status
- Sending emails with PDFs, excels

- Provide context and categories
- Enable discovery and data with security in place
- Navigation in Skoda VV reports assets
- Work on mobile
- Alerts & notifications

- Interactive dashboards
- **ChatGPT on RADa data**
- **Create outlook task from Sales meeting**
- Most critical information in form of a weekly mngmnt summary
- **Merged insights from several reports**
- Anomaly detection

## Bring actionable intelligence to decision makers



**ChatBot**



**RAG**



**Copilot**



**Fully autonomous**

- Provision asks what you want and gets a direct answer with information and links to related reports
- Searching for reports by KPI. KPI knowledge questions
- Create Microsoft teams/outlook tasks from Sales meeting
- Create permission requests for report subcategories
- Personalized summarization of most critical information on daily, weekly, and monthly bases
- Merged insights from several reports that depend on each other in the form of management summary(Production plan vs Sales plan, etc.)

# Magic Eye 2.0

## Practical application of AI

While there are many theoretical applications of AI in the data analysis, our system actually practically applies predictive and prescriptive maintenance:

- Magic Eye provides almost real-time notification of critical faults, visualize them and provides their typology.
- While used on the rail line for detection of faults, it is an actual AI enabled platform with low powered HW on site and remote computing and data transfer.
- Dynamic learning system helps to keep everything actual since the new faults can be taught „on the fly“ not in the laboratory and simulations only.





# Magic Eye 2.0

Turnkey solution including  
HW and SW

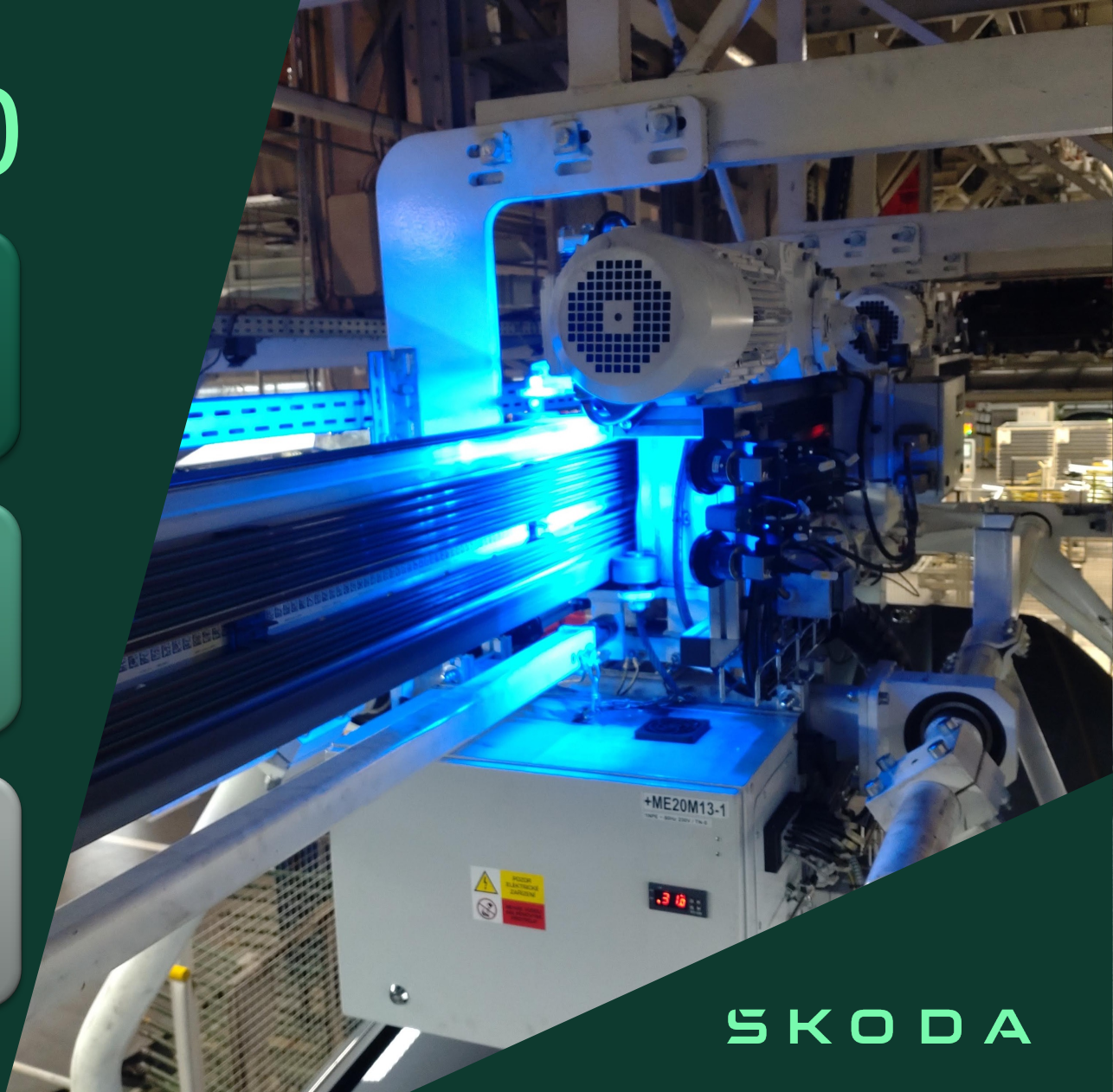
Built in collaboration with  
SA and tailored to their  
needs and ITS

Smart with enabled 3D  
printed parts for quick  
maintenance

WiFi and 5G ready for  
maximum data transfer  
flexibility

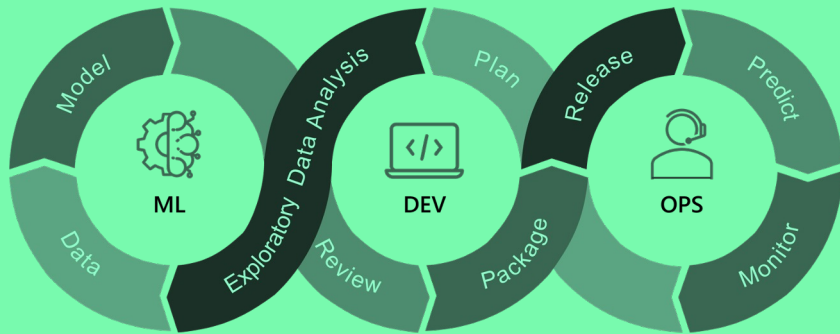
Easy to understand UI,  
containerized solution for  
quick deployment

Adaptable to gather IoT  
data due to diverse  
connectivity for future  
extensions



# Magic Eye 2.0

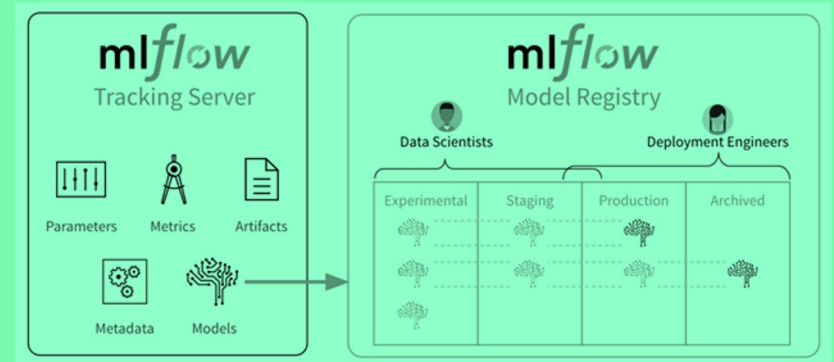
## Universality of the platform



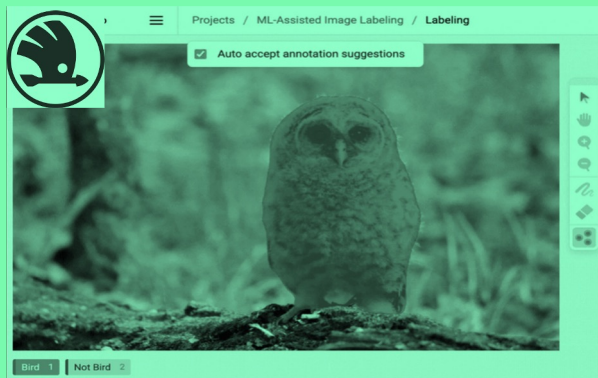
Complete lifecycle of the learning and model generation



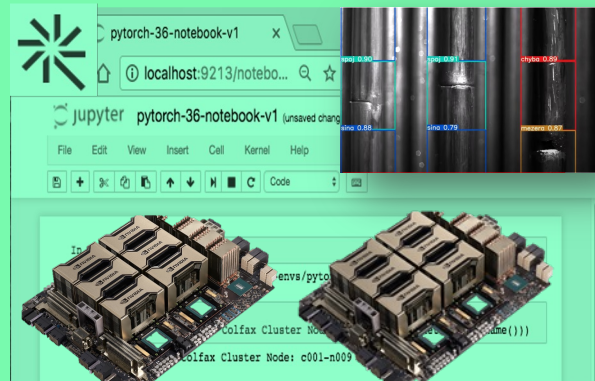
databricks



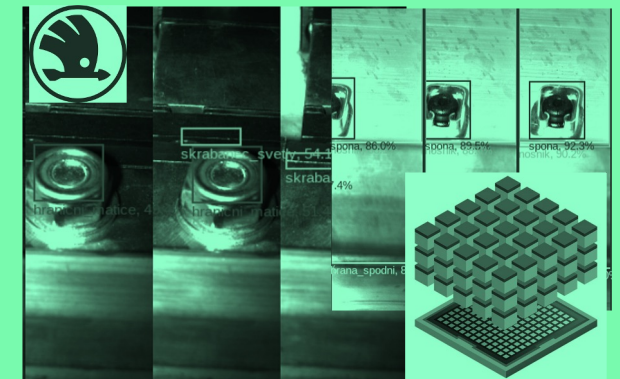
## AI assisted learning



## Model training



## Model deployment to production



# Connected Car - Architecture Competency in Technical Cluster EED/4

## Building the Backbone of Innovation

The architecture competency encompasses communication, analysis, evaluation, mapping, and creating architectural diagrams to ensure a robust and adaptable framework that aligns with business objectives and technological advancements, thereby supporting strategic development and operational requirements of the projects.

Delivering Architecture that meets expectations of Business and Customers

Delivering Architecture that is compliant with the law requirements

Addressing the complex system and process topics (e.g. Change of certificate authority)

Creating an impact analysis of MOD systems, 3rd party systems and others

Creating evaluations and cost analysis of demands and proposals

At the same time, Connectivity Backend Architecture aims to encompass the decomposition of systems, high-level architecture design, application architecture, technology architecture, data model implementation, and environment monitoring.

# Connected Car - Strategic Insights & Analysis

## Requirement & Business Analysis Competency in Technical Cluster EED/4

- Supporting business representatives from the project's initiation until its handover to operations by offering expert knowledge and guidance in the area of connectivity back-ends.
- Requirement competency ensures that the software product or system meets the needs of the stakeholders, such as customers, users, and business owners.

Definition project &  
Product

Feasibility study

Business analysis  
clarification

Acceptance criteria  
definition

Consistency assurance

- At the same time, the Requirement team is responsible for supporting the Service Platform, which includes requirements gathering and definition, providing guidance during PI plannings, and monitoring tickets to facilitate a successful cooperation between Škoda and Cariad.

# Connected Car - Responsibility and Backend Perspective

## Project Management Competency in Delivery Cluster EED/4

- Delivery cluster is responsible for project management competency in EED4. It's one of the three Clusters in EED/4 (Technical, Integration and Delivery).
- Project management competency supports business representatives from project initiation to handover to operations by providing expert knowledge and guidance in the realm of connectivity back-ends.

Overseeing and executing successful delivery of IT projects

Coordinating and managing project elements

Planning, organizing, and controlling resources and activities

Ensuring projects are completed on time, within budget, and to quality standards

Effectively managing risks and stakeholders

Backend perspective focus within the Delivery cluster

Emphasis on technical aspects of project management

Ensuring seamless execution of IT projects

Key role in driving successful implementation within EED4

# Connected Car

## Connectivity projects

### MOD 3

The primary focus of the MOD3 project is on developing additional functions for MOD3.3. In parallel, it is dedicated to ensuring compliance with UNECE legal requirements.

### MOD 4

The MOD4 project is currently dedicated to modifying and adding new functions and Connectivity services in response to the new software versions ME4 and ME5.

### OI@A

The scope of the OI@A Project is to deliver the new compound of ConMod + ICC (Infotainment & Cockpit Computer). This new infotainment system should be available in selected vehicles after the year 2026

### NRP

The goal of the New Registration Process is to enhance the ŠKODA Connect enrolment, increasing enrolment rates, revenues, and improving the user experience. This project is also delivered to SEAT/CUPRA.

### Connect India

The project aims to introduce Connective vehicles to the Indian market. Connectivity in vehicles refers to the ability of a car to connect to the internet, allowing for features such as real-time navigation, and access to various online services.

### WebApps

This project involves providing a set of software applications that can be accessed and utilized through the car's infotainment system, offering services such as navigation, and weather. A few of these applications are currently in development for other brands.

### Digital Manual

The project aims to provide an application to assist users in improving their knowledge and skills in controlling various car functions or exploring their car's capabilities through guidance in the owner's manual. The application also helps cover the legal requirements associated with vehicle usage.

### eCall

The project aims to ensure quality service for emergency calls in chosen countries and smooth deployment in new countries.

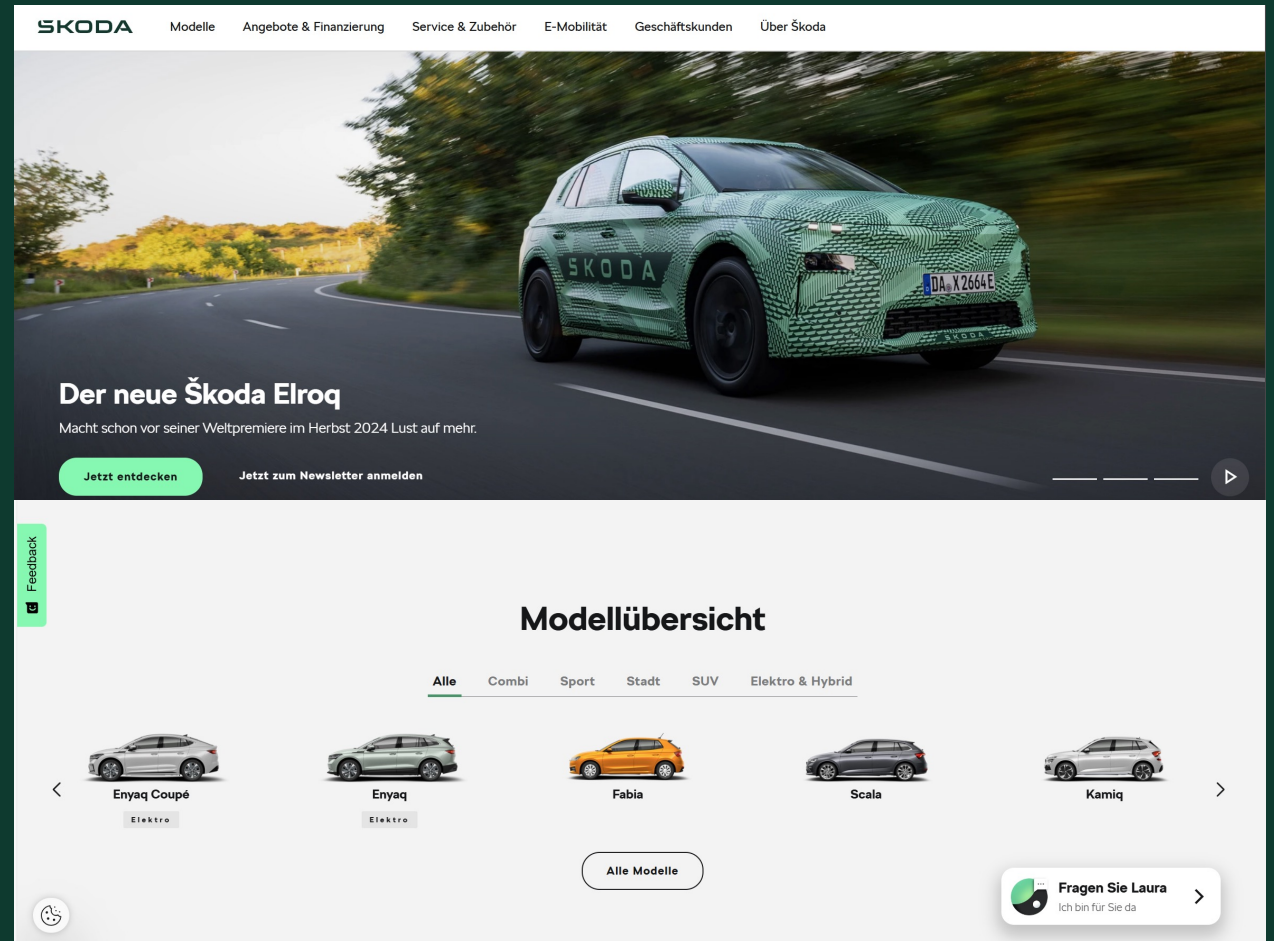
### Service Platform

Product management of Service Platform is the strategic function of driving the development, market launch, and continual support and improvement of a Škoda brand products. EED/4 is committed to responsible ownership working in their role of Service Platform coordination and cooperation.

# Škoda Auto portal- K2NG & Tools

Worldwide CMS system for regional importers and dealers

- Administrative components to manage and align core web presence and communication
- Implementation of business tools to harmonize data sourcing
- Stock cars – online warehouse management
- Configurator – build your car and have delivered
- Model data module – data management
- Dealer locator – accurate information
- Country specific module – be always local
- Financial calculator – capturing potential clients
- First ŠKODA AUTO project to implement SAFE methodology



The screenshot displays the Škoda website interface. At the top, a navigation bar includes the ŠKODA logo and menu items: Modelle, Angebote & Finanzierung, Service & Zubehör, E-Mobilität, Geschäftskunden, and Über Škoda. The main banner features a Škoda Elroq car with a green wireframe overlay, driving on a road. Text below the car reads "Der neue Škoda Elroq" and "Macht schon vor seiner Weltpremiere im Herbst 2024 Lust auf mehr." Two buttons are present: "Jetzt entdecken" and "Jetzt zum Newsletter anmelden". Below the banner is a "Feedback" button. The "Modellübersicht" section has a filter bar with "Alle", "Combi", "Sport", "Stadt", "SUV", and "Elektro & Hybrid". Five car models are shown: Enyaq Coupé (Elektro), Enyaq (Elektro), Fabia, Scala, and Kamiq. An "Alle Modelle" button is at the bottom center. A chat bubble in the bottom right says "Fragen Sie Laura" and "Ich bin für Sie da".

## In vehicle SW development

We have successfully completed Infotainment and Battery Management System testing projects for our client Rimac.

By analyzing architectural requirements, designing and running test cases, our team of experts has validated the software integrity of the components in the prototyping phase.

For our client ThyssenKrupp, we are working on ECU SW development for the Electric Power Assistant System, covering the entire V-model of the SW development lifecycle.

Our experts in AUTOSAR-based development ensure the successful delivery of many SoPs on projects for the world's leading OEMs.





# Rimac – Battery Management

- Battery Management System Testing
- Inverter Testing
- Infotainment system testing
- Following the standards for automotive software development and testing:
  - Review of software architecture requirements
  - Designing test cases for 100% requirement coverage
  - Designing test cases for Functional Safety requirements - ISO 26262
- Using Lauterbach debugger, Vector CANalyzer, PCAN, and related tools for hardware testing
- Validation of software with each software release



# Audi Business Innovation

Top tier Senior professionals for development of innovations  
and ideas from scratch...

That is our part as a Qinshift in ABI Munich



# Thank you

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