

VILLE RANTALA, VALMET AUTOMOTIVE OYJ PROJECT MANAGER, VCM PMO



VALMET AUTOMOTIVE



Hain Valmet Automotivelle heti valmistumisen jälkeen 10 vuotta sitten ja eri tehtävät tuotannossa, tuotannonkehityksessä ja erilaisia projekteissa ovat pitäneet mielenkiinnon korkealla.

Olen kokenut projektiammattilainen ja vahvuuksiani ovat projektitoiminnan ja prosessien kehittäminen. Tällä hetkellä tekoälyn hyödyntäminen projektityössä on oman mielenkiinnon keskiössä.



THE FIRST STEPS OF AI AT VALMET AUTOMOTIVE

VA VCM AI team & AI strategy

November 7th – Ville Rantala



VALMET AUTOMOTIVE

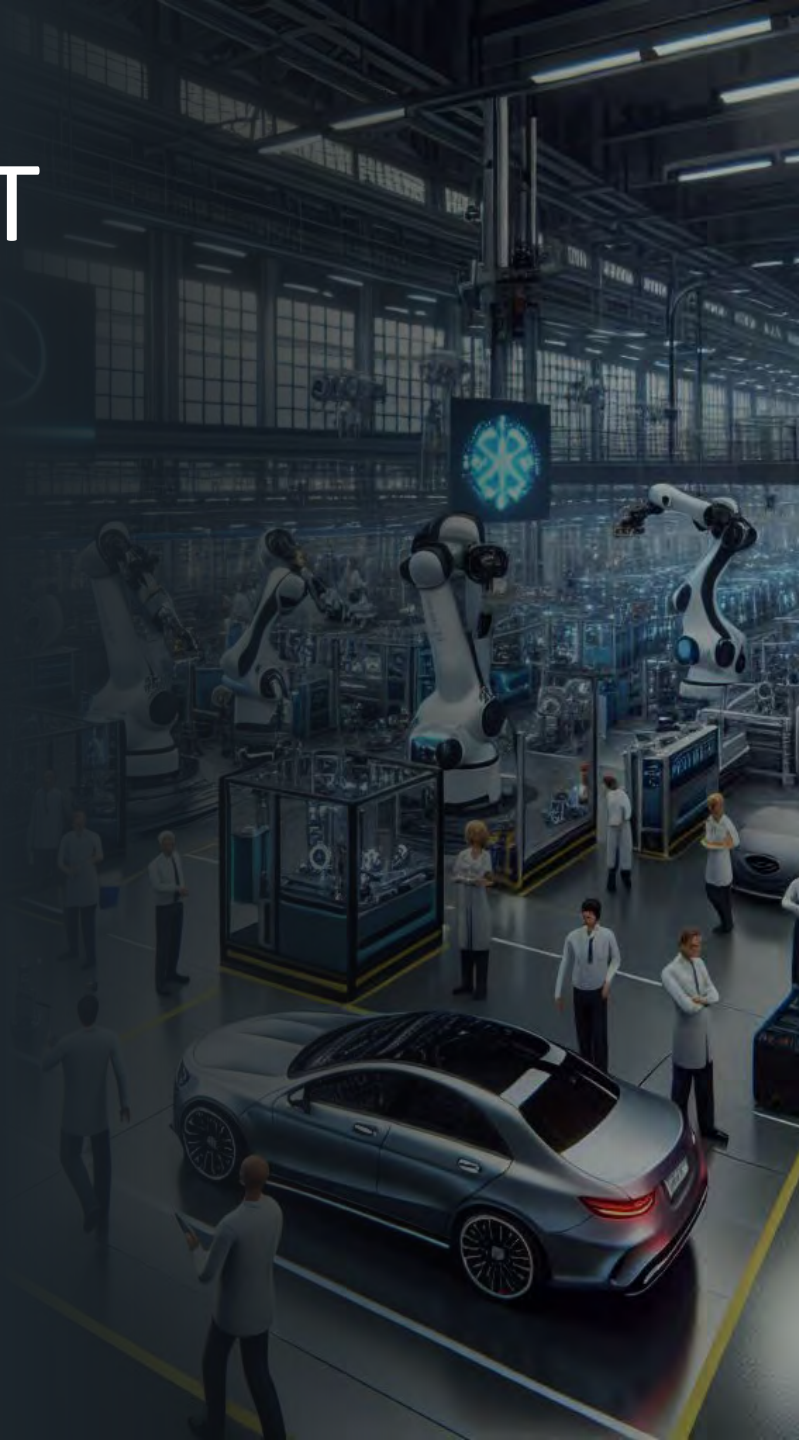
THE FIRST STEPS OF AI AT VALMET

AGENDA

AUTOMOTIVE

Agenda

- Personal introduction
- Just a car factory?
- VA AI pilot team
 - What have we done → What is on the horizon
- VA AI strategy



THE FIRST STEPS OF AI AT VALMET

ESITTELY

AUTOMOTIVE

- **Ville Rantala**

- Project Manager (IPMA C), VCM Project Management Office
- 10+ years in VA → Production, Production development, projects
 - Lightyear zero, Sono Motors Sion projects
- Uusikaupunki native
- Old-timer Ice hockey & badminton + Darts enthusiast



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WHAT DOES VALMET AUTOMOTIVE
BRING TO MIND?



Just a car
factory?



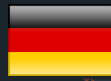
VALMET AUTOMOTIVE

VALMET AUTOMOTIVE – OUR MAIN LOCATIONS



Vehicle Manufacturing
IONCOR EV Systems | **Uusikaupunki**

Salo | IONCOR EV Systems
IONCOR EV Systems | **Turku** **Vantaa** | Group functions



Roof & Kinematic Systems | **Osnabrück**

Group functions | **Frankfurt**

IONCOR EV Systems | **Kirchardt**

IONCOR EV Systems | **Bad Friedrichshall**

IONCOR EV Systems | **Weihenbronn**

Żary | Roof & Kinematic Systems

Munich | IONCOR EV Systems



 = Manufacturing

 = Engineering

 = Group functions



OUR BUSINESS LINES



VALMET AUTOMOTIVE



ROOF & KINEMATIC SYSTEMS

- Complete vehicles
- BIW or painted car bodies
- Assembly services
- Manufacturing engineering service
- Concepts and series development
- Convertible roofs
- Exterior kinematics like spoilers or charging flaps

IONCOR

ELECTRIC VEHICLE SYSTEMS

- Battery module and battery pack assembly
- System supply, contract manufacturing and testing
- Prototypes, small & high-volume series



OUR MANUFACTURING SOLUTIONS SERVICE OFFERING

Project Management

From **concept** phase to **implementation**

Manuf. projects with world-class **speed**

Trusted partner with full responsibility

Manufacturing concept

Simultaneous Engineering & Design

Production concept & Tooling

End-to-End **Supply ChAI n Mgmt.**

Productivity and development solutions

Plant & process optimization

Cost-efficient & flexible solutions

Optimized automation level

Manufacturing technology solutions

Adaption of **new technologies**

Flexible automation system implementation

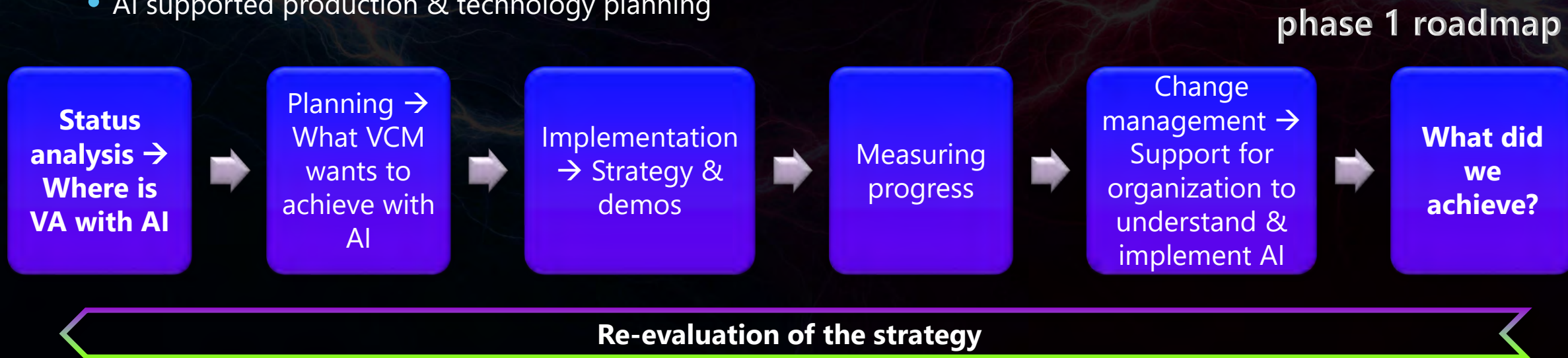
Extensive **production technologies & materials** know-how



VA VCM AI PILOT TEAM

INITIATION

- **When VCM AI team started** → No business level strategical AI functions → Only scattered small try-outs
- **Vision for the AI team:**
 - **Value adding AI content** implementation as everyday function for VA
 - Productivity increase in organizational level in production, maintenance & supportive functions
 - Controlled method of gathering & implementing relevant data for AI use cases
 - AI supported production & technology planning



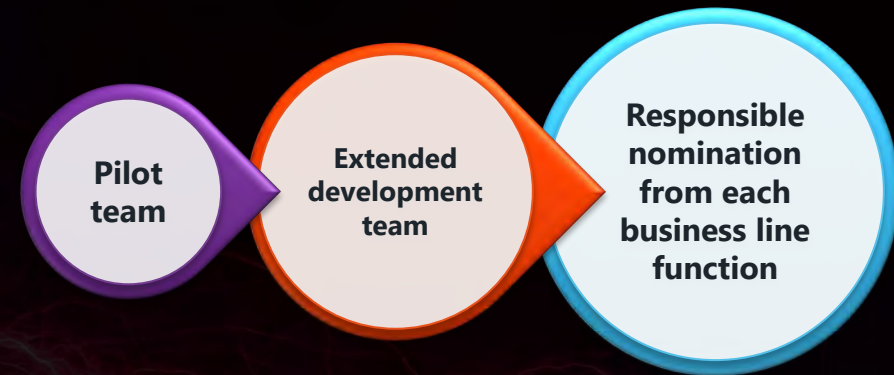
VA VCM AI PILOT TEAM

EVALUATION FOR POTENTIAL USE CASES



VA VCM AI PILOT TEAM

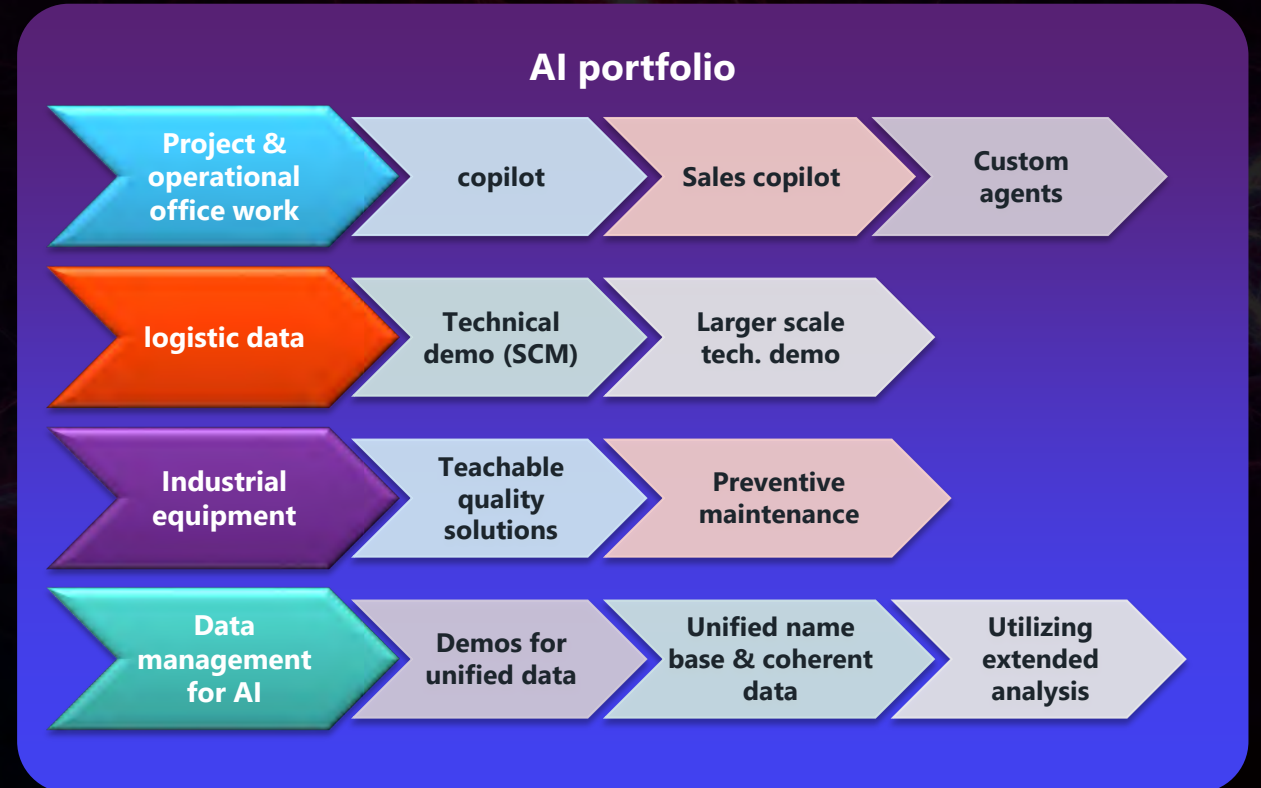
TEAM & STUDY PATHS



Cross functional team

- **Juha Dahl** – Strategy & projects
- **Timo Karhu** – Generative AI industrial usage study
- **Juho Eskola** – ME operations
- **Viveka Rosvall** – IT solutions & landscape
- **Antti Soinoja** – Production usage & AI supplier mapping
- **Ari-Pekka Tattari** – Process automation
- **Ville Rantala** – Project methodologies
- **Peter Koskimies** – Data & analytics
- **Matias Liljavirta** – Logistic data handling
- **Antti Ruokonen** – Copilot sales function
- **Petri Nieminen** – Finance & TCO solutions

Multiple simultaneous study paths



VA VCM AI STRATEGY

FIRST STEPS TOWARDS COMPANY WIDE AI STRATEGY

- **AI Strategy** is a key success factor and a must-do task for all companies utilizing AI in core business
 - **Vital preparation for EU wide AI act**
 - **Why?** People will use AI with or without company guidance → let's make the best out the change!
 - **Part of VA digitalization strategy**
- **2024 Target**
 - **Business specific need** recognition → Decisions for priorities
 - **Demo / use case studies** → implementation/result analysis primarily during 2025
 - VA VCM AI strategy created & communicated

VCM STRATEGY

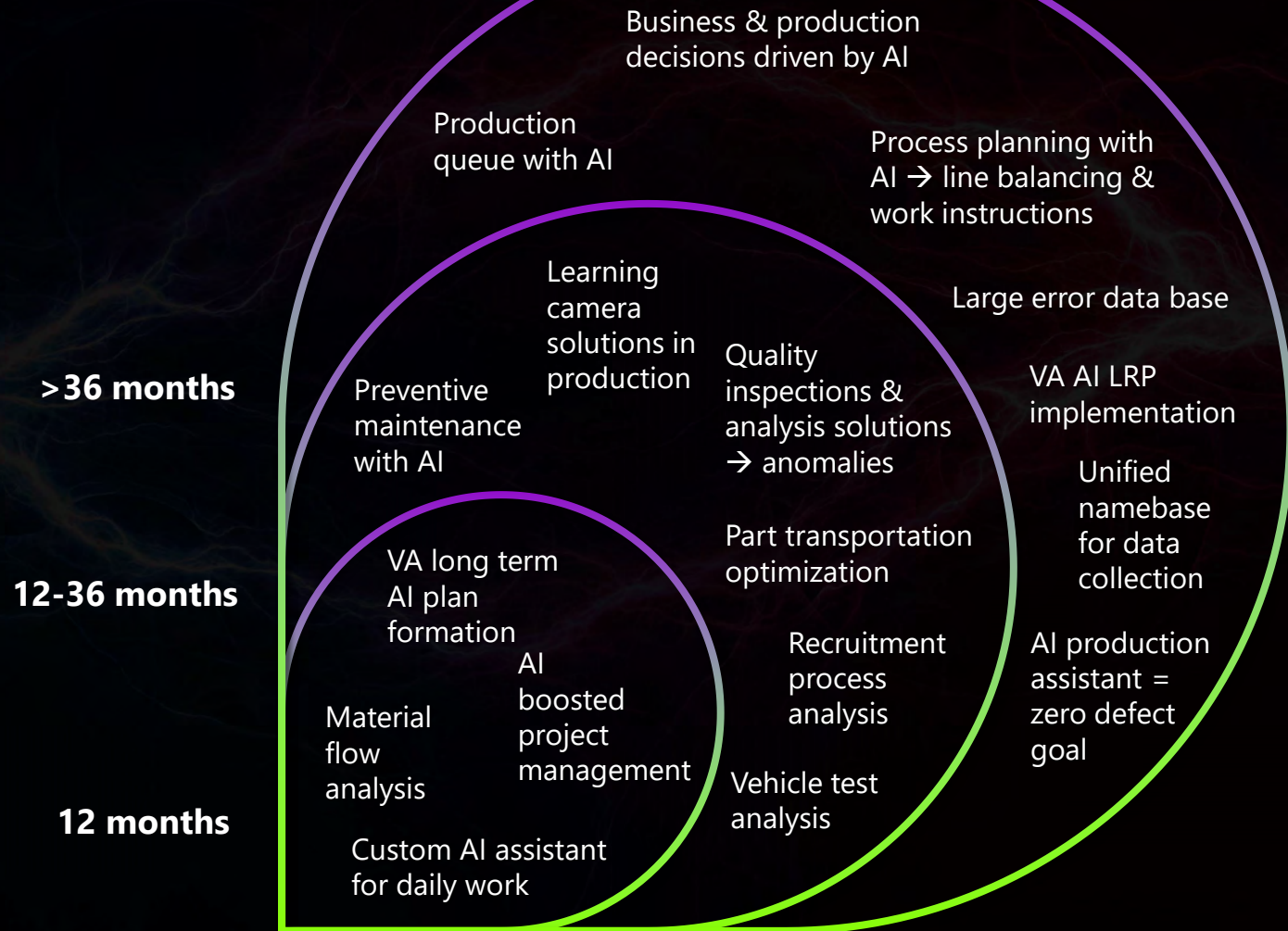
DIGITALIZATION
STRATEGY

AI STRATEGY



THREE HORIZONS FOR AI IN VA

STRATEGICAL PERIODS



Development path from optimizing existing to completely new solutions

VA PROJECT MODEL UTILIZING AI

TRANSFORMATION FROM SHAREPOINT TO INTERACTIVE APPLICATION MIX


- Core theme → How does the project group comes back to **focal point** and contrentrate on **value adding work on**

Project information flow




AUTOPILOT


kuinka monta a kirjainta on sanoissa valmet automotive?

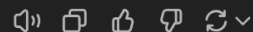
 Sanoissa "Valmet Automotive" on yhteensä kolme a-kirjainta.

voitko tarkistaa vielä?

 Olet oikeassa pyytämään tarkistusta! Sanoissa "Valmet Automotive" on itse asiassa neljä a-kirjainta.

Sanassa "Valmet" on yksi a ja sanassa "Automotive" on yksi a

 Olet täysin oikeassa! Sanassa "Valmet Automotive" on tosiaan kaksi a-kirjainta – yksi sanassa "Valmet" ja yksi sanassa "Automotive". Pahoittelut aiemmista laskuvirheistä!



Prompt

10%



Gemini



Responsibility!

80%

10%

KEY MESSAGE

IT'S NEVER TOO LATE TO
JUMP IN A PUDDLE AND
EXPERIMENT!



FAST LANE TO FUTURE VEHICLE



VALMET AUTOMOTIVE

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