ScanwAi

Leading Green Infra Revolution with Digital Maintenance
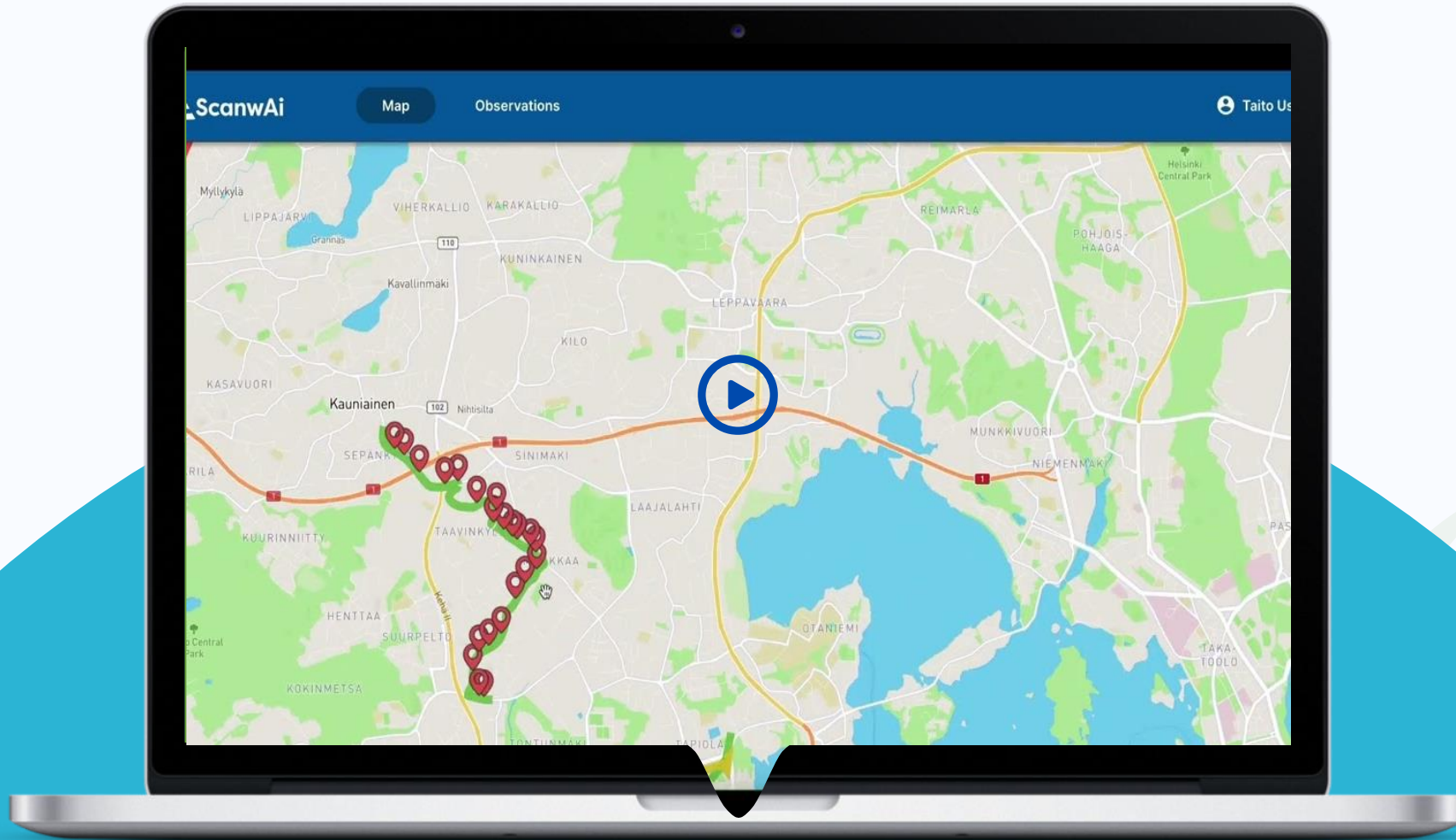
SCANWAI OY

SCANWAI OY is developing an advanced AI solution to digitalize infrastructure maintenance. The company's proprietary technology platform combines real-time data collection, machine learning analytics, and automated action planning into a single service. The goal is to reduce maintenance costs, improve safety, and extend the lifecycle of infrastructure.

HOW IT WORKS VIDEO LINK

MEET OUR FOUNDERS

Our team combines expertise in technology, infrastructure maintenance and business, driving innovation and success

MARTTI LIELAHTI

INFRA MASTER

Experienced entrepreneur in the maintenance industry. Maintenance technology developer with a track record of successful software implementations. Extensive networks and deep industry understanding. Innovative hands-on professional.

JUHA RYTKÖNEN

THE BOOSTER

BBA, eMBA, MEMA. Background in change and growth management. Strong focus on developing digitalization. Experience in sales, marketing, partnerships, operations, and market in large international companies.

OLLI TANNERKOSKI

START-UP JEDI

BBA. Experienced and innovative technology startup entrepreneur. Co-founded Springvest Plc (listed on First North).Strengths: Partnerships, financing, business development and growth.

PROBLEM

Traditional infrastructure maintenance practices are no longer effective.

Infrastructure maintenance is often reactive, costly, and inefficient.

A lack of information and manual processes cause unnecessary site visits, safety risks, and delayed repairs.

KEY ISSUES:

Incomplete and delayed data collection

High costs from reactive maintenance

Safety issues due to poorG infrastructure condition

Inefficient allocation of resources and maintenance timing

Manual data collection and analysis is time-consuming and error-prone

Low user satisfaction

Quality control in maintenance

Complex, fragmented processes increase inefficiency

Budget constraints lead to delayed repairs

SOLUTION

WHY US?

ScanwAi offers an AI-powered digital monitoring system that provides real-time insights and predictive maintenance models, enabling more efficient infrastructure management.

WHY NOW?

Rising costs, public safety concerns, and the need for smarter infrastructure call for modern, automated solutions.

SCANWAI'S SOLUTION OFFERS THE FOLLOWING BENEFITS:

- Real-time condition monitoring
- Predictive maintenance modeling
- AI-generated action recommendations
- Compatibility with municipal and governmental systems
- Lower carbon footprint and longer infrastructure lifespan
- Reduced human error through automation
- Enhanced decision-making based on advanced analytics

AI-POWERED INFRASTRUCTURE MAINTENANCE AND QUALITY ASSURANCE

BENEFITS

AI-qualified Quality Assurance

Easy and quick to implement, Tech Ecosystem compatible

Enhanced Safety and Quality

Simplified management

Increased Public and Citizen satisfaction

DIVERSE CUSTOMER BASE

SCANWAI serves a broad range of clients responsible for maintaining public and private infrastructure:

- **NATIONAL GOVERNMENT AGENCIES:** Responsible for highways and motorways
- **LOCAL GOVERNMENTS:** Manage local and regional roads
- **PRIVATE COMPANIES:** Involved in maintenance and services

VERTICAL EXPANSION IN 2026: Railways and airports

ScanwAi offers flexible pricing based on customer needs and can enter into global or local agreements. Growth will be supported through a partner network and targeted outreach.

ESG & SUSTAINABILITY

ScanwAi's technology strongly supports
Environmental, Social, and Governance responsibility.

Environmental:

- Predictive maintenance reduces emergency repairs → fewer CO_2 emissions

- Longer infrastructure lifespan → less material consumption and construction

- Fully digital system → no unnecessary driving or manual inspections

Social:

- AI detects hazardous road conditions in advance → improved user safety

- Improved worker safety through optimized maintenance scheduling

- Better public infrastructure → smoother mobility and accessibility for society

Governance:

- Real-time, transparent data supports decision-making and budgeting

- Predictive modeling enables broader ESG metrics in infrastructure investments

- Cloud-based platform ensures secure and traceable data management

ScanwAi supports modern, transparent, and responsible infrastructure— through every phase of its lifecycle.

WHY CHOOSE SCANWAI

- We have clear focus on and understanding on infra maintenance and asset management solutions

- We have clear focus on reducing costs and increase added value

- We have an unique AI powered system

- We have world's best solution for its excellence, ease of use, scalability, quality, and affordability.

ScanwAi platform is built on top of newest AI tech:

- We have automatic data collection using AI

- We automated reporting

- We will provide forecasting model for asset management and CO_2 calculation model for customers unique benefits (coming 2025)

USE CASES AND BENEFITS

AUTOMATED SURFACE DAMAGE DETECTION

ScanwAi leverages AI to automatically detect road surface issues such as cracks and potholes, enabling faster response and reducing accident risk.

PROLONGED ROAD LIFESPAN

By identifying and addressing damage early, ScanwAi extends the service life of road infrastructure, reducing the need for costly reconstructions.

BIKE LANES

Enhanced Safety for Cyclists ScanwAi applies the same surface monitoring capabilities to bike lanes, ensuring safer and smoother conditions for cyclists.

REAL-TIME INSIGHTS & PREDICTIVE MAINTENANCE

The system delivers real-time condition data and uses predictive analytics to optimize repair schedules, cutting maintenance costs and minimizing disruptions.

EFFICIENT MAINTENANCE PLANNING

Predictive analytics help prioritize repairs in high-use cycling areas, supporting sustainable and active transportation.

GENERAL INFRASTRUCTURE

Smart Inventory Management ScanwAi tracks and optimizes infrastructure assets like traffic signs, improving system reliability and extending component lifespans.

SUPPORT FOR SUSTAINABILITY GOALS

By reducing unnecessary repairs, conserving materials, and minimizing energy use, ScanwAi helps cities advance their environmental and climate targets.