

TREON

Leading Smart Industry Intelligence

TREON FLOW

Predictive Maintenance with AI-Driven Simplicity



Predictive Maintenance Increases Efficiency

- Predict Faults – Fix Problems Before they Happen
- Reduce Unplanned Downtime
- Cut Maintenance Costs by Streamlining Management



Fast Setup, Easy to Use, No IT Integrations

- Condition Monitoring of Industrial Assets
- Self-learning AI Anomaly Detection Algorithm
- Mobile-first User-experience
- Integrated Workflow Manager
- Stand-alone Cloud Solution – No IT integrations
- Monthly Subscription – No upfront investments

Predictive Maintenance

Simplify Operations

Treon Flow is an effortless and powerful AI-driven Predictive Maintenance & Condition Monitoring solution for material handling conveyors, balance of plant machines, and other industrial processes and assets, including motors, gears, pumps, and fans.



SMART INDUSTRY TRANSFORMATION

Challenges

Global manufacturing and automation are increasing constantly. This means more assets to be maintained in production sites, logistic hubs, warehouses, and other facilities.

An average of 800 hours per year per worker are lost in task inefficiencies. There are many assets to be maintained with few resources. Information is siloed. Instead of simplifying repairs, this overload can slow down technicians' work.



TREON FLOW SOLUTION

AI-Driven Simplification

Treon Flow provides you with a streamlined end-to-end maintenance workflow that uses just the right data to improve your operations uptime.

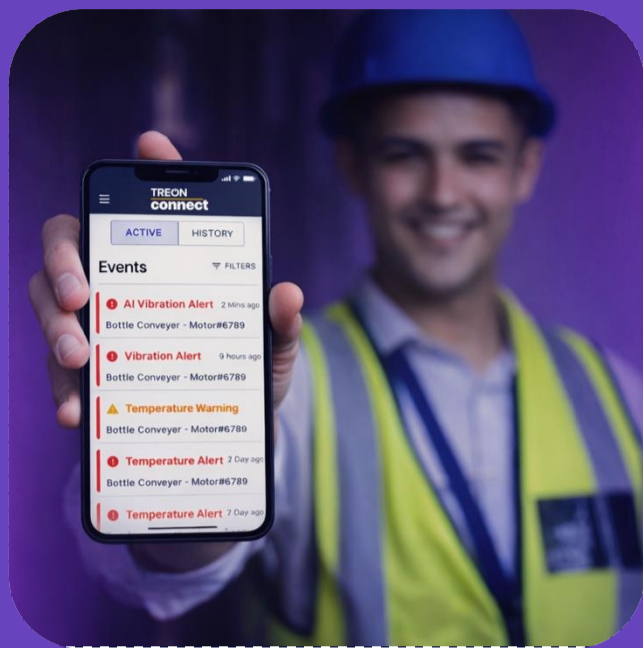
It helps you get rid of task inefficiencies in your maintenance, as AI-powered algorithms are monitoring your asset data.

The simplified mobile-first user experience filters complexities, guiding your maintenance team on how to fix any uptime-affecting anomalies.



Benefits

Reduce unplanned downtime, save on costly repairs, and increase operational efficiency by monitoring equipment health and analyzing data for abnormalities with AI.



Treon Flow

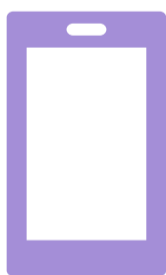
What is it

Say goodbye to excessive measurements, overwhelming data, and complicated dashboards. Treon Flow provides AI-driven simplicity – it measures what’s necessary and only that. AI manages the complexities and simplifies the work of your technicians and maintenance team!



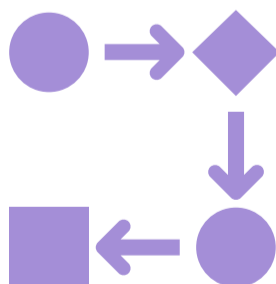
PREDICTIVE MAINTENANCE SOLUTION

Treon Flow is an effortless and powerful AI-driven Predictive Maintenance solution for material handling conveyors, balance of plant machines, and other industrial processes and assets, including motors, gears, pumps, and fans.



AI-DRIVEN SIMPLICITY

Instead of overwhelming you with data, Treon Flow delivers AI-driven simplicity. The solution includes a self-learning AI anomaly detection algorithm, easy-to-use mobile app, and industry-grade wireless sensors that you can simply glue on to your assets. The algorithm automatically learns the behavior of your system.



MOBILE-FIRST WORKFLOW

When an abnormal asset operation is identified, an instant alert is sent to the technician’s mobile. The streamlined workflow ensures that the entire maintenance team is up to date on what’s happening at the site – from initial alert to case closed report.



Treon Flow

Where to Use it

Treon Flow Predictive Maintenance solution is optimized for industrial assets with a short maintenance window. Its power lies in simplicity – measuring only the data that is truly needed, filtering complexities, and providing mobile alerts upon identifying unusual asset operation.



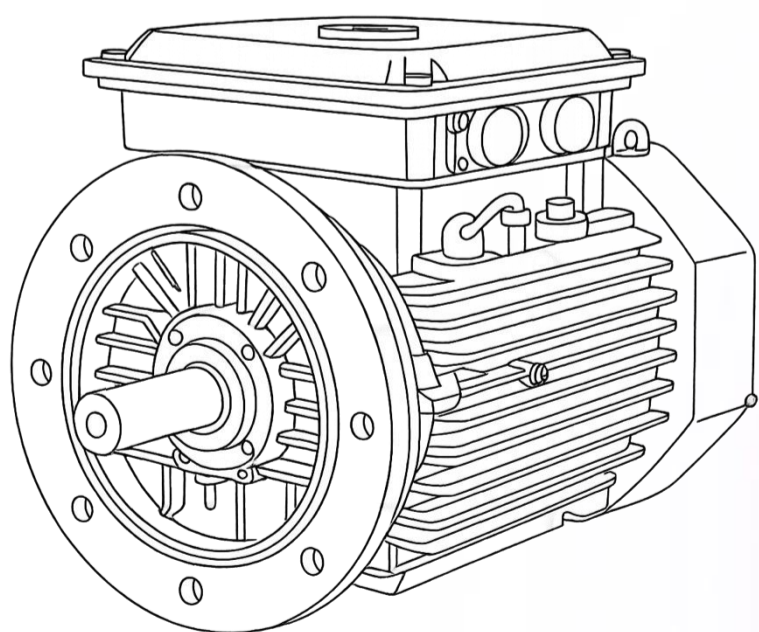
Food, Beverage,
Pharmaceutical Packaging &
Bottling



Airport Baggage Handling
Systems



Logistics Hubs &
Warehouses



- Motors, gears, pumps
- Fans and ventilation systems
- Material handling conveyors
- Pharmaceutical packaging lines
- Balance of Plant (BOP) machines



Treon Connect Platform

End-to-End Platform

Treon Flow is built on the AI-driven Treon Connect cloud platform and industry-grade wireless sensors and gateways.

Treon Connect Cloud Platform



Treon Connect

The Treon Connect platform collects data from your assets, enables AI-powered alerts in the cloud, mobile app, and workflow automation while providing seamless cloud-to-cloud integration.

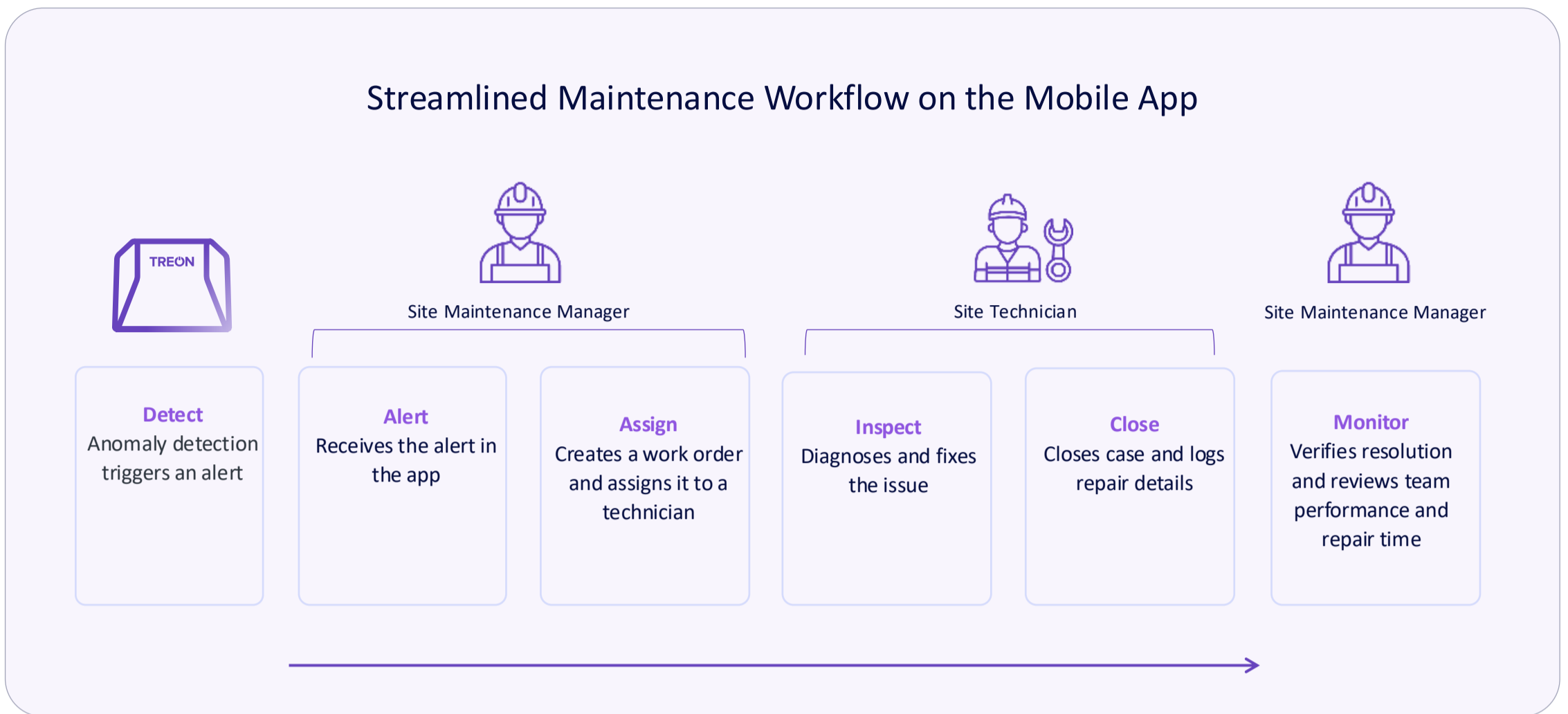
Treon Industrial Node C

Treon Industrial Node C measures vibration and temperature and sends data to the cloud every hour, enabling instant asset condition alerts based on AI anomaly detection or ISO standard thresholds.

Treon Gateway

The Treon Gateway collects, processes, and transmits data from sensors to Treon Connect securely over a wide range of wired and wireless connectivity.

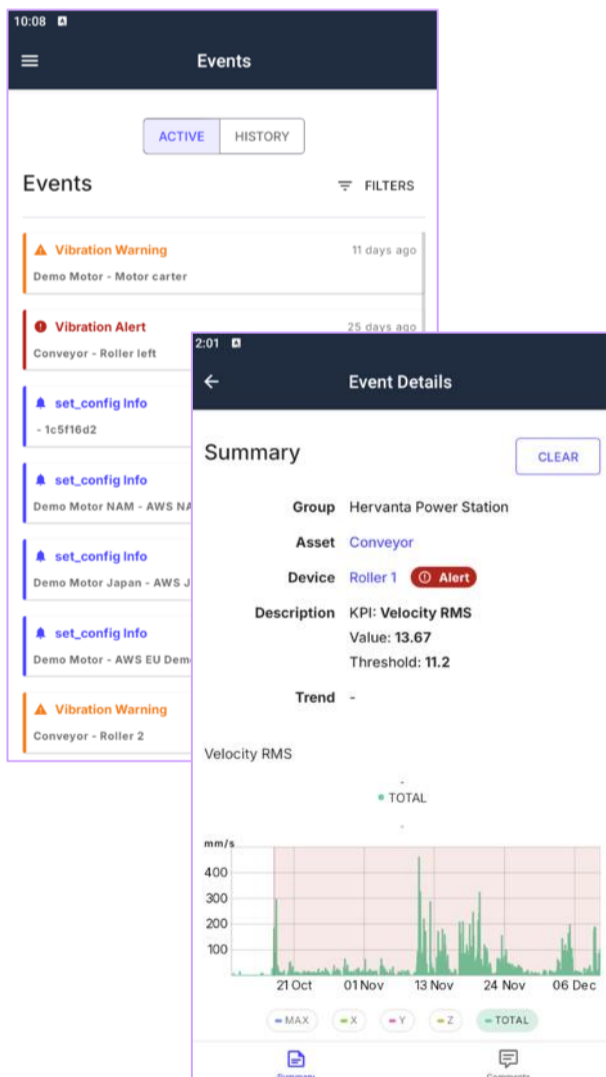
Streamlined Maintenance Workflow on the Mobile App



Integrated Workflow Manager

Designed with leading lean maintenance companies, Treon Flow enables you to adopt a smart end-to-end process to help keep your valuable assets in working condition for longer.

The workflow manager provides each team member a tailored view into the same data and cases, filtering noise, and escalating only meaningful issues.



Mobile-First User Experience

The Treon Connect Mobile App is an easy-to-use companion for technicians, delivering relevant alerts directly to smartphones. It acts as a true companion, as it identifies the issue location and guides on how to fix. Closing the ticket and reporting goes with the same easy to use interface.

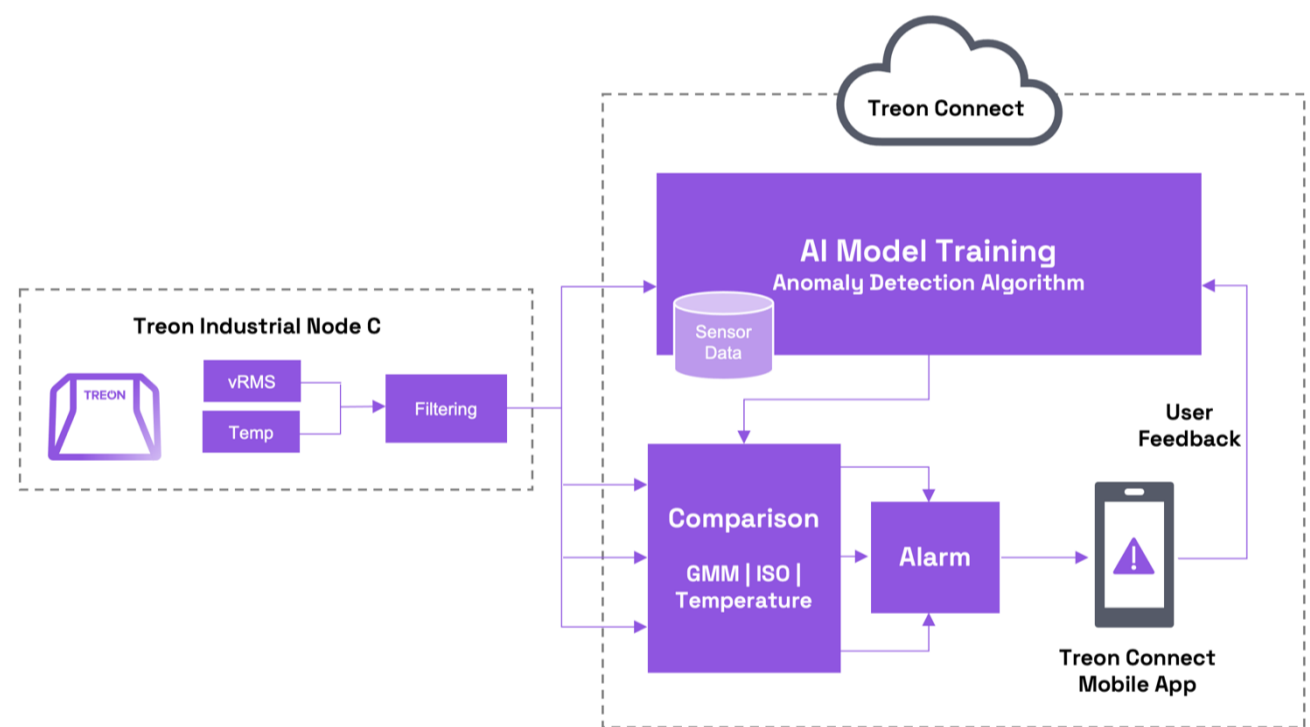


Treon Flow

AI Analytics

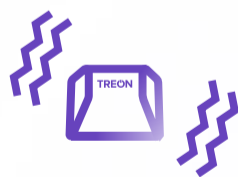
The Treon Flow provides AI-based analytics for automated anomaly detection, enabling identification of abnormal vibration behavior indicating emerging asset faults.

Treon Connect AI Analytics



Self-learning AI Model

The algorithm learns the asset normal vibration and temperature behavior in weeks, depending on the asset operation.



Wake-on-Motion

For assets turned off for long periods, the sensors can wake-on-motion to measure during machine's operation, shortening the AI training duration and avoiding collecting useless data.



Anomaly Detection

Alert when a certain amount of measurement samples is above a threshold and deemed anomalous.



User Feedback

After the initial AI training period, users can notify the system on false positives, enhancing detection quality over time.

TREON INDUSTRIAL NODE C

Treon Industrial Node C is a high-quality wireless condition monitoring sensor optimized for assets with short repair windows. Treon sensors and gateways are pre-configured to work out of the box, enabling rapid installation and monitoring in minutes. It captures vibration and temperature data and enables you to receive AI alerts on the condition of your equipment in a cost-effective way.

Fast Install

Glue to mount – Quick commissioning with NFC and Mobile App

Self-Learning AI

Learns the asset's normal operation during the first weeks

Wake on Motion

Wakes up to measure when the asset is operating

All Data You Need

Measures the KPIs that you really need: 3-axis accelerometer (velocity and acceleration RMS) and temperature



Long Battery Life

Enjoy up to 5 years of no replacement site visits

Industry Grade

IP69 - Dust and Water Proof

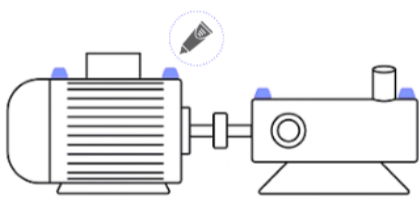
Robust Wireless

Up to 40m gateway connectivity range

[Click to Learn More about Treon Industrial Node C](#)

Fast Sensor Installation

MOUNT



1

Attach the sensor near the bearings on a flat surface with industrial-grade glue.

3-5 min

CONFIGURE



2

Configure using Treon app to set up the sensor, which then connects to the nearest gateway and Treonconnect.com

1-2 min

ASSIGN



3

Assign and name each sensor in Treonconnect.com by venue and location.

1-2 min

AI TRAINING



4

Self-learning AI: Monitor and set thresholds - Allow approx. 3 weeks for AI model training.

3 weeks



Treon Flow

Fully Managed Service

Treon Flow is delivered as a fully managed SaaS solution, helping you to keep your maintenance costs down and freeing up your staff to run the core business.

AMAZON AWS

The fully managed Treon Flow SaaS solution is hosted and operated by Treon on secure Amazon AWS infrastructure. Treon takes full responsibility of the cloud operations, availability, performance, and security, so you can focus on your assets, not IT.

UPDATED FREQUENTLY

The platform is continuously updated with new features, AI improvements, and the latest security enhancements, ensuring your solution is always up to date without manual upgrades or downtime. All data is securely stored, automatically backed up, and protected against loss or disruption using industry-standard cloud practices.

SECURE

Your data remains yours. Treon ensures strict data privacy and integrity: customer data is isolated, protected, and never accessed or used without authorization. With transparent operations, enterprise-grade security controls, and a fully managed cloud service, Treon Make protects your business while delivering scalable, reliable predictive maintenance—out of the box.

STAND-ALONE SYSTEM – IT INTEGRATION OPTIONAL

Treon Flow implements the entire maintenance process. There's no need to add more maintenance load to your IT. Treon Flow is a secure cloud solution hosted and managed by Treon. You still own and have access to all your data, but we keep it safe and secure on our high-uptime cloud servers.

Treon Flow

How to Start

Any day could be the day Treon Flow Predictive Maintenance helps your team prevent an unexpected production failure. Make today the day you take control. Connect with Treon sales and start planning your deployment—your future uptime starts now.



EVALUATE TREON FLOW SOLUTION

Order a Starter Kit

The Treon Flow Starter Kit is the fastest way to prove the benefits of AI predictive maintenance with real data from your operations.

If you'd like to order a kit or have any questions, just send us a message – we'd be happy to help.

sales@treon.fi



TAKE CONTROL

Contact Treon

Are you ready to Try Predictive Maintenance the easy way? Contact Treon sales today to learn more about Treon Flow and how to start validating its benefits for your operations.

Contact us!

sales@treon.fi – [Click here](#)



[Learn More about Treon Flow Solution](#)

www.treon.fi