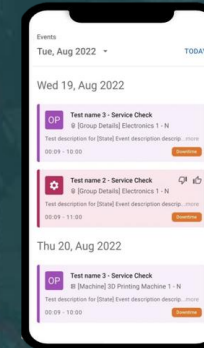
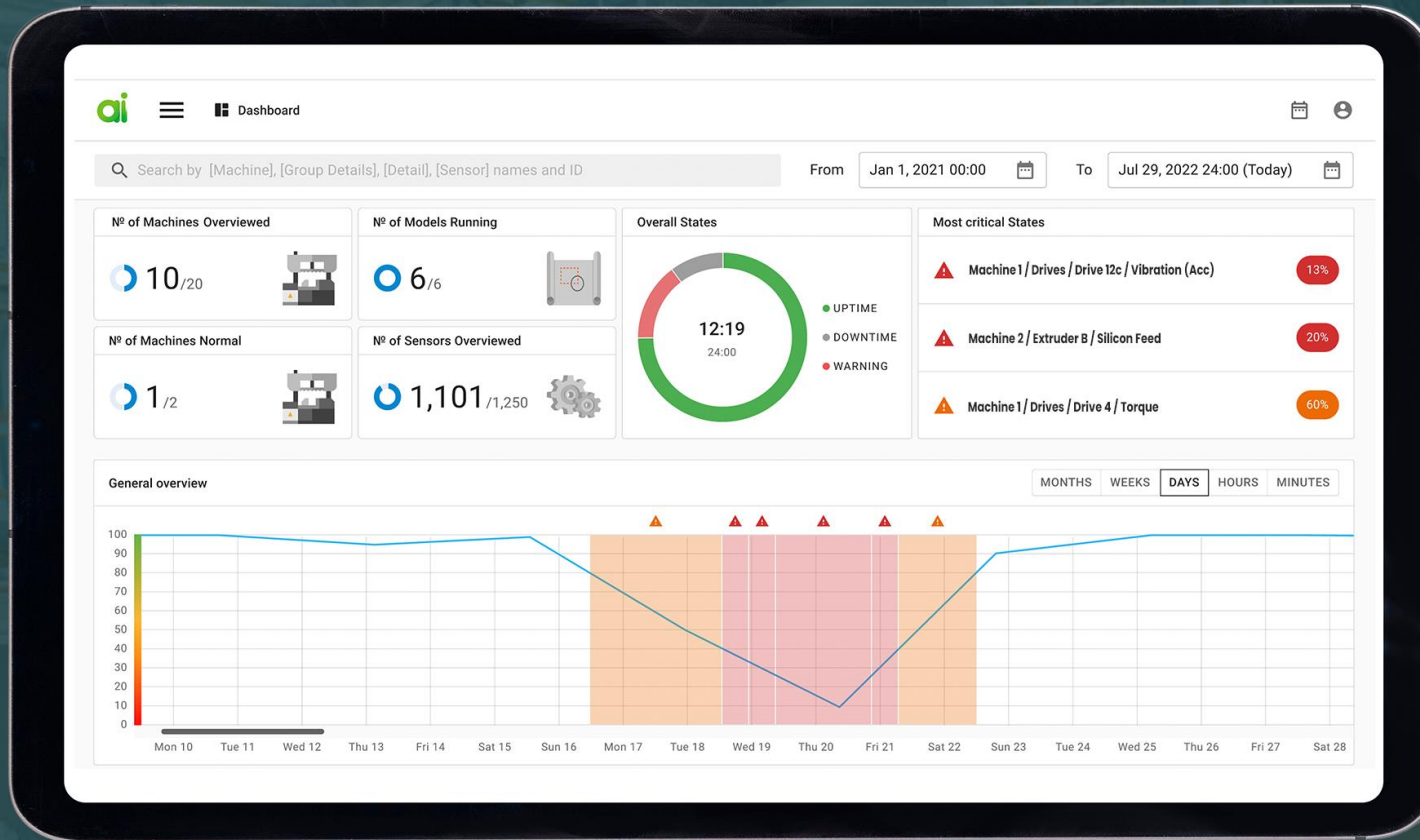




ai-omatic solutions

Company & offering



B2B SaaS
Predictive Maintenance

Who we are



AI-based maintenance software for predictive machine maintenance



Founded 2020 in Hamburg



Team member: 22



Trusted by renowned customers / partners such as Nitto, Canyon, Rehau & Siemens



Start-up awards such as the Strive Innovation Award powered by AUDI & Start-Up Camp Schleswig Holstein



aiOMATIC
SOLUTIONS



The global problem we need to solve

High costs of unplanned machine downtime



On average only **≈ 60 % machine availability**



≈ **3.3 million man-hours lost** per year due to unexpected downtime



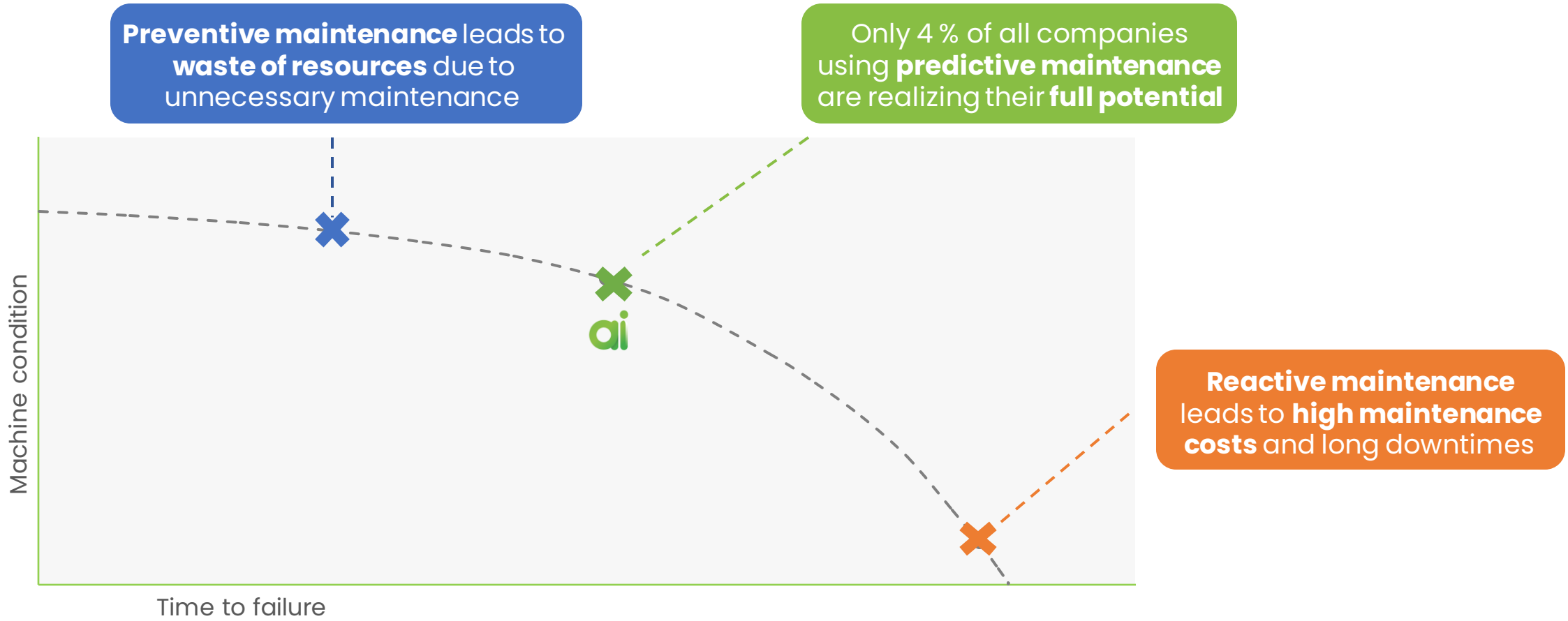
One downtime costs ≈ **380,000 €**

Global industry loses **852 billion € / year** due to unplanned machine downtime

Source: The true costs of downtime Report (2023)

The solution we offer

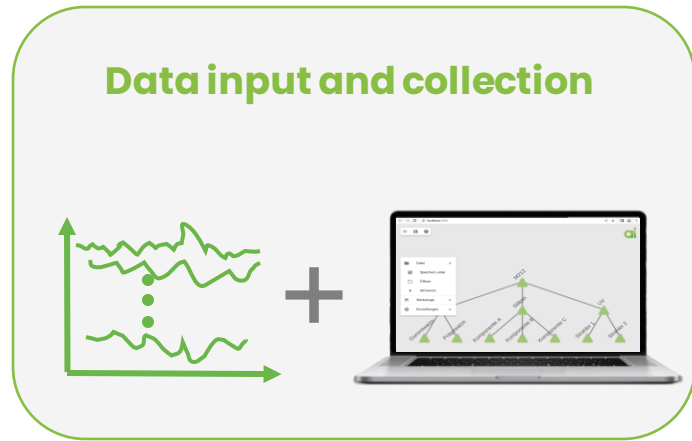
How to avoid machine downtimes through predictive maintenance



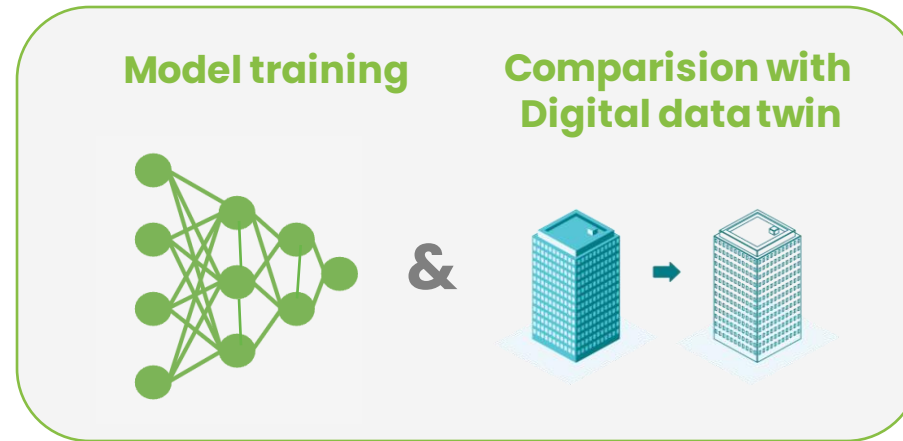
- ✕ Preventive maintenance (today's industry standard)
- ✕ Predictive maintenance (future industry standard)
- ✕ Reactive maintenance (yesterday's industry standard)

The ai-omatic method

Our way from sensor data to predictive maintenance

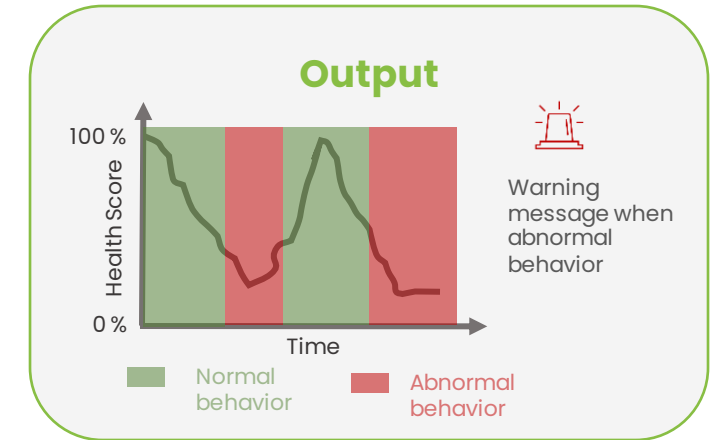


1. Collect sensor data on the normal behavior of the machine
2. Add expert knowledge of the machine operator



Algorithm uses data to train models of the normal machine behavior

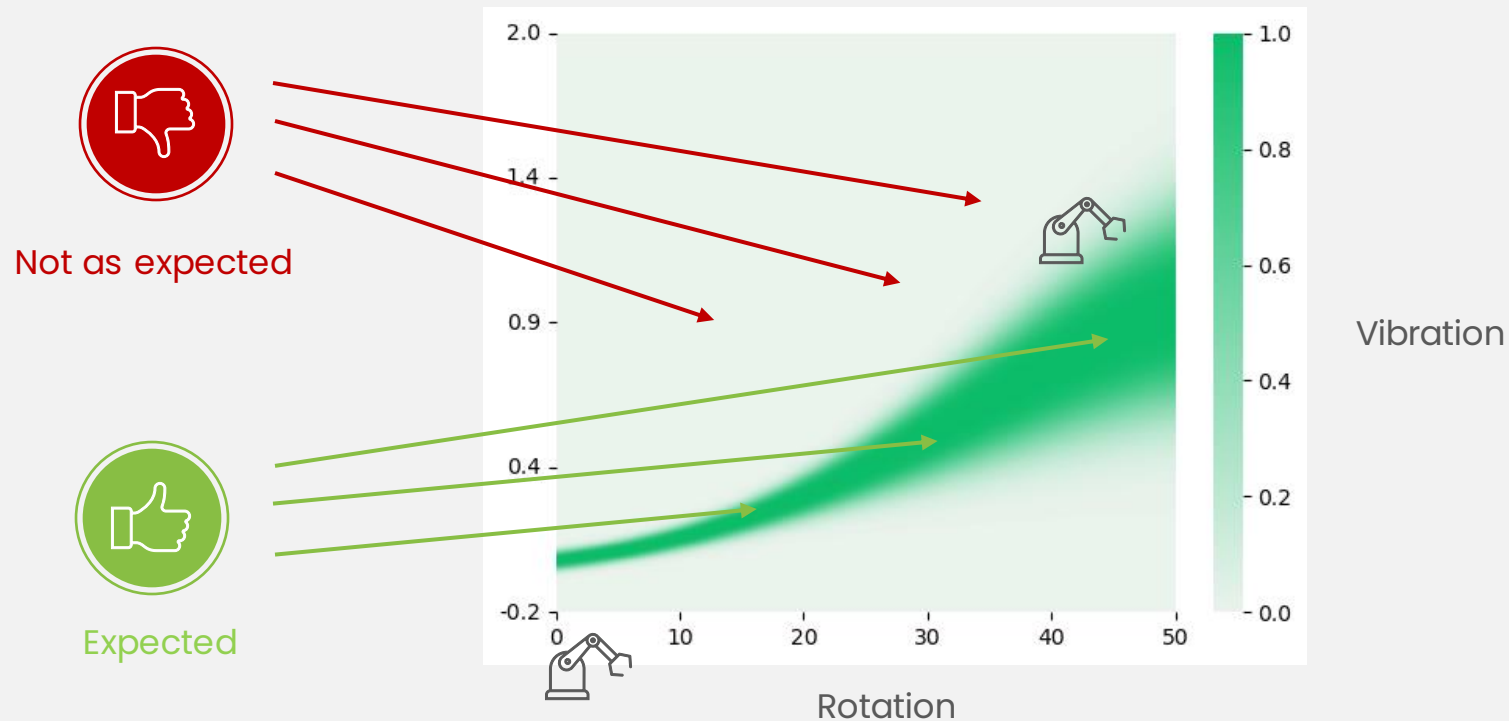
New sensor data is compared with created Digital data twin of the normal behavior



Real-time "Health Score" of the machine

The ai-omatic method

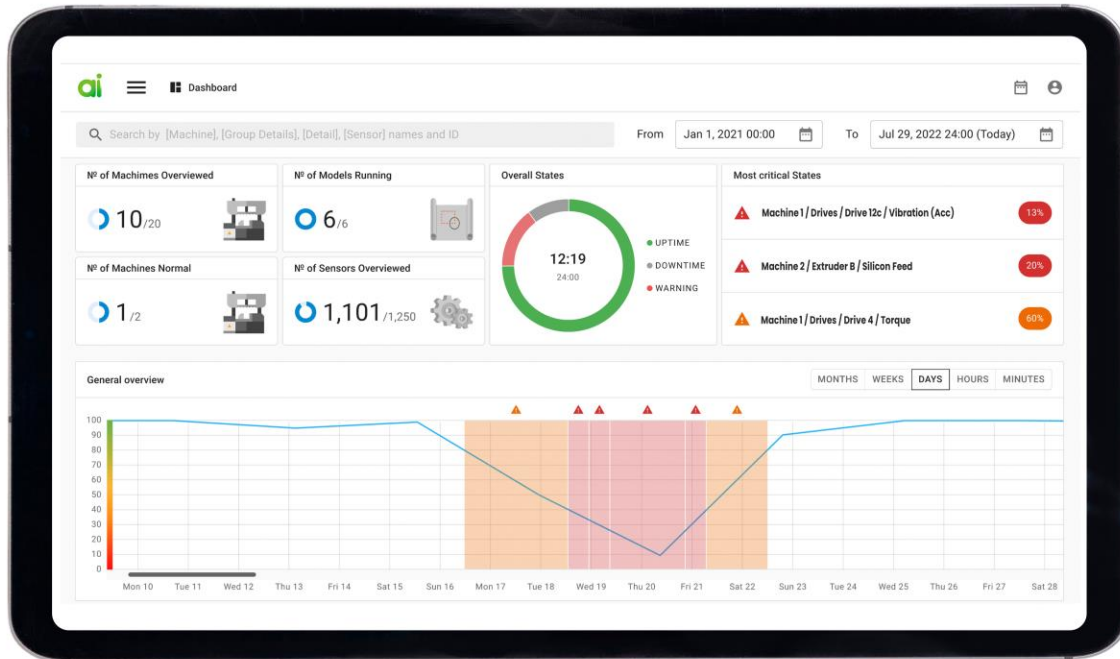
What is a good Health Score = What is expected behaviour?



Note: This is a 1:1 relationship between the rotation and vibration of a machine.

Our SaaS solution

The AI-based maintenance software at a glance



Automated live monitoring:

Precise insights into machines and their components



Analysis of the interference cause:

Clear results and rapid identification of the causes of faults



Real-time alerts:

Immediate notification of abnormal machine behaviour on the dashboard



Rapid deployment:

Fast set-up and flexible monthly license costs

Our SaaS solution

Live monitoring & early detection of abnormal machine behaviour

Easy to read dashboard with the **display of the Health Score** of the machine



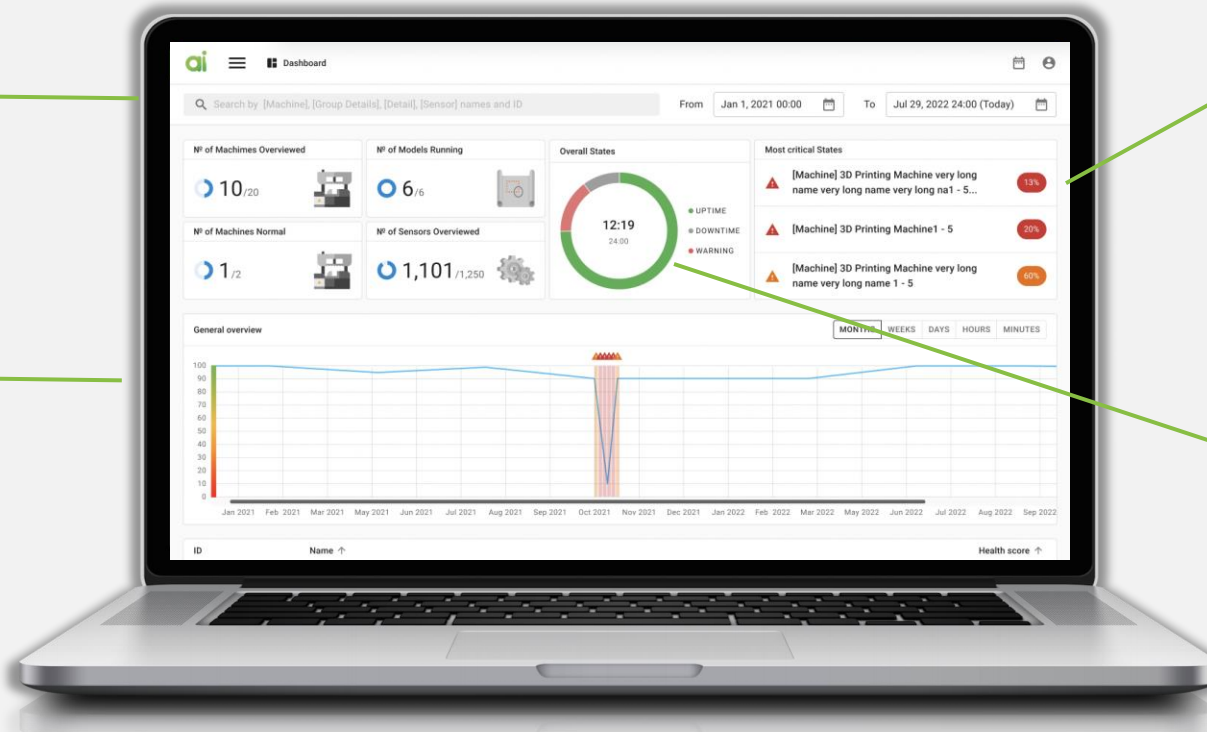
Identification of the **causes of failure** (explainable AI)



Detection and **warning of abnormal behaviour** of the machine



Uncomplicated live monitoring of machine states



Our SaaS solution

KPIs and information on machines

Selected sensors



Overall machine health



Past events



Our SaaS solution

Machine monitoring: All important parameters at a glance



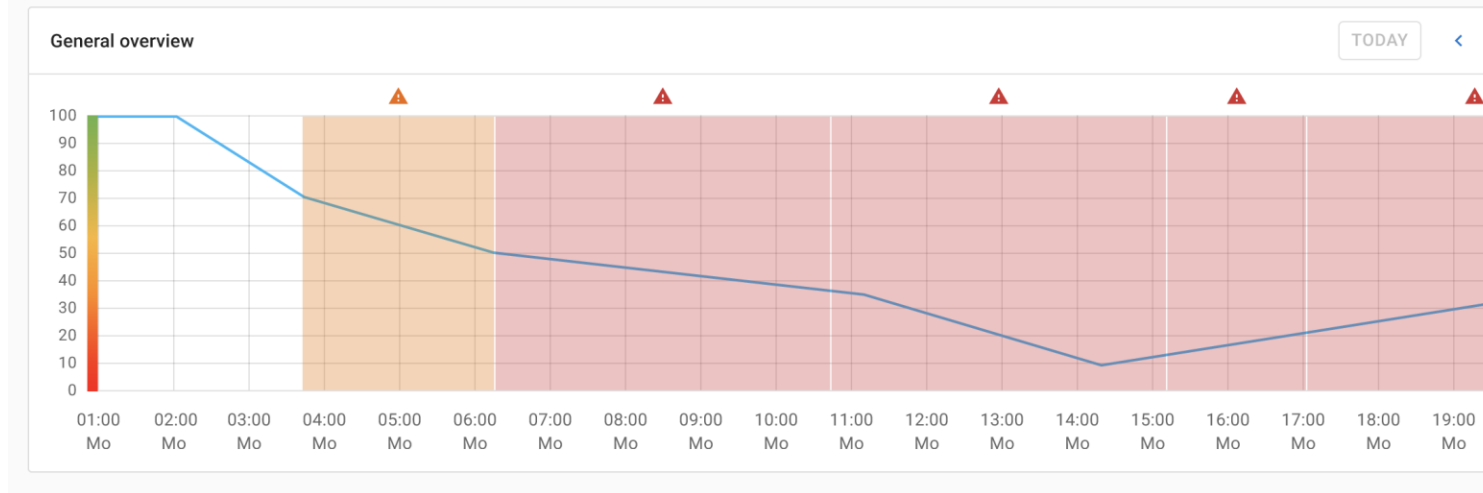
Overview of individual sensors and overall state of the machine - enables targeted focus on sensors with a low AI index.



Our SaaS solution

Hierarchical structure enables precise problem understanding & targeted maintenance

ai Dashboard / [Machine] 3D Printing Machine 1 - N... / [Group Details] Electronics 1 - N... / [Detail] CPU 1 - N / [Sensor] Sensor 1 - N

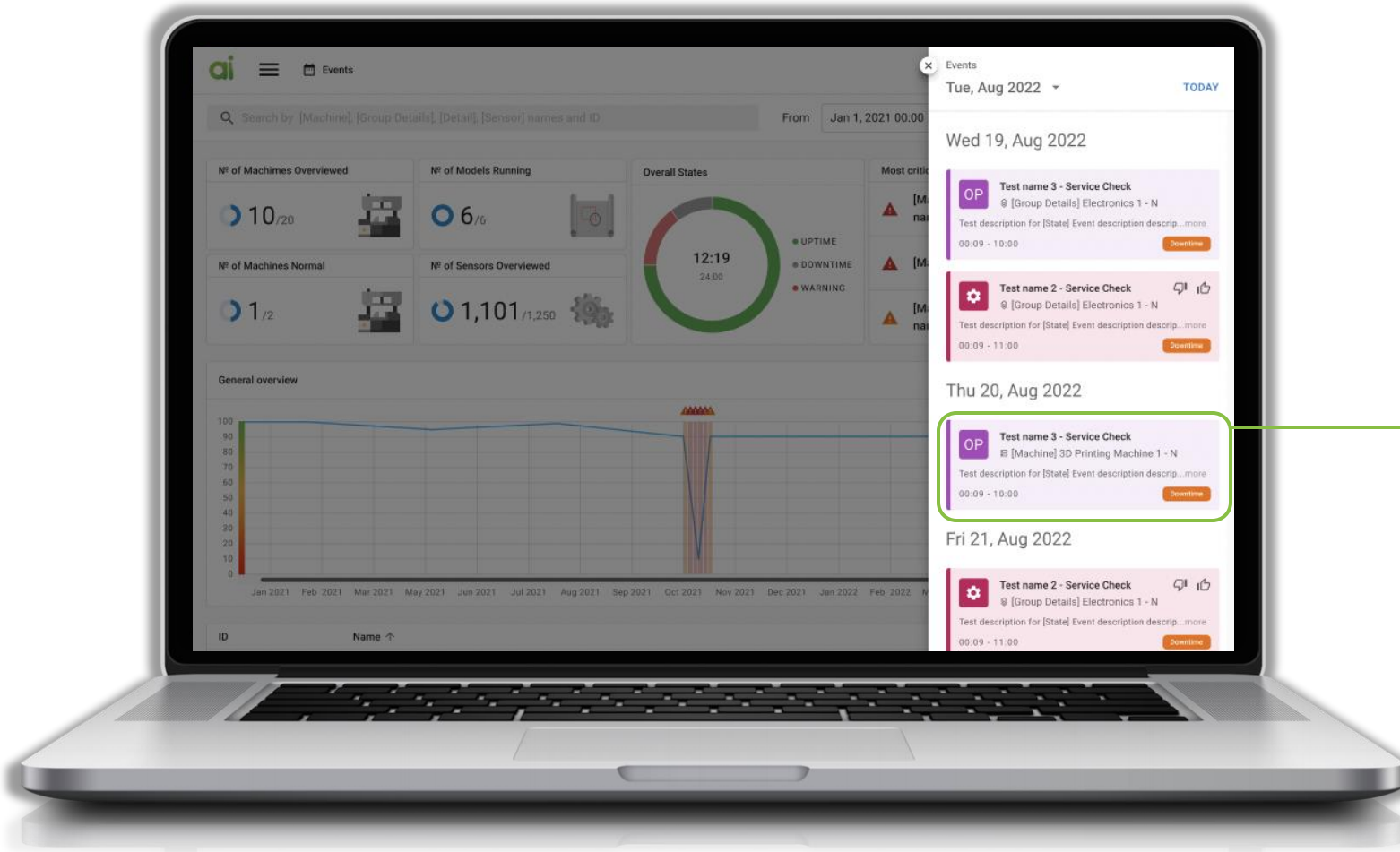


Cause identification in case of deterioration of the Health Score by "diving" into the inner levels of the machine

- 1st Level: Machine (overall health of the machine)
- 2nd Level: Groups (e.g. embossing plant, silicone plant & UV plant)
- 3rd Level: Detail view of smaller groups
- 4th Level: Sensors (e.g. temperature)

Our SaaS solution

Records & alerts: Early detection of abnormal machine behavior & timely intervention

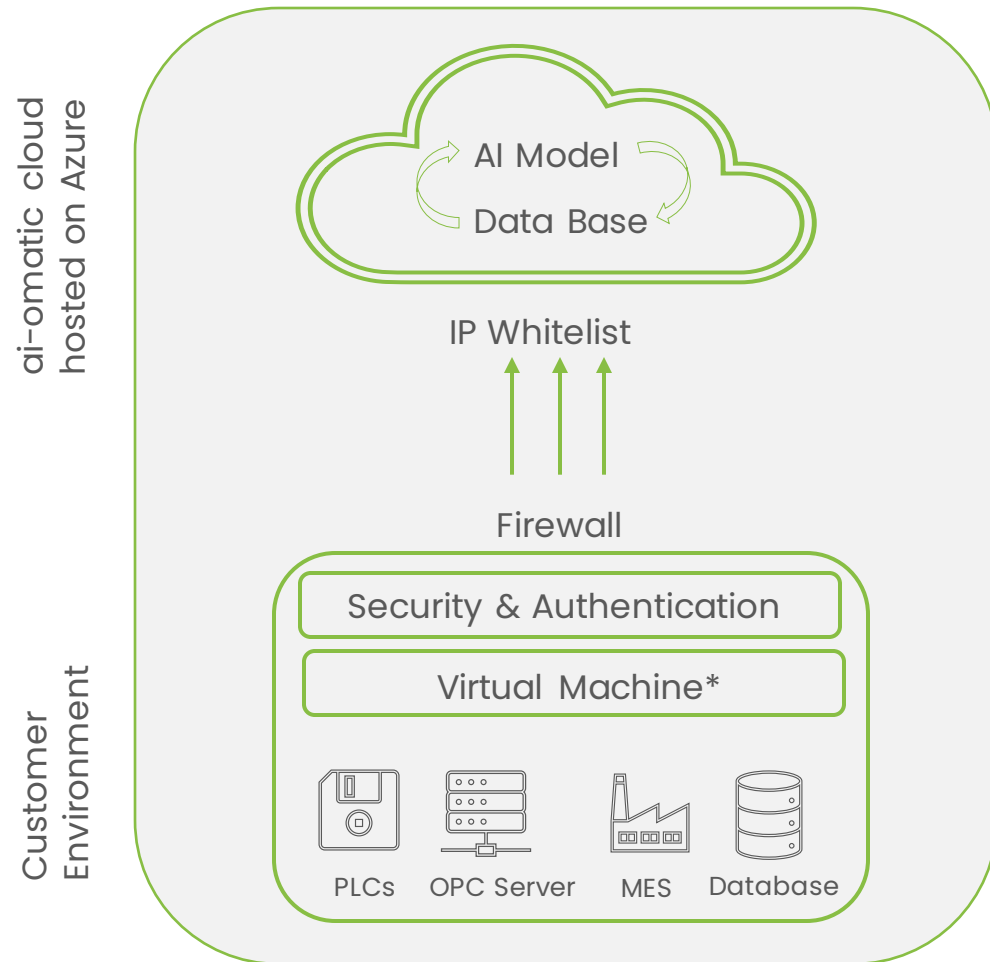


Records of faults can be individually flagged, and customers can add and edit messages on their own.

False alarms can be corrected afterwards, making the algorithm smarter and more accurate.

Technical infrastructure

Our software doesn't require additional hardware & can be installed in any IT infrastructure



Customer Requirements

Necessary requirements for a successful start with our maintenance assistant



Providing the connection to a live machine data source (preferable OPC-UA)

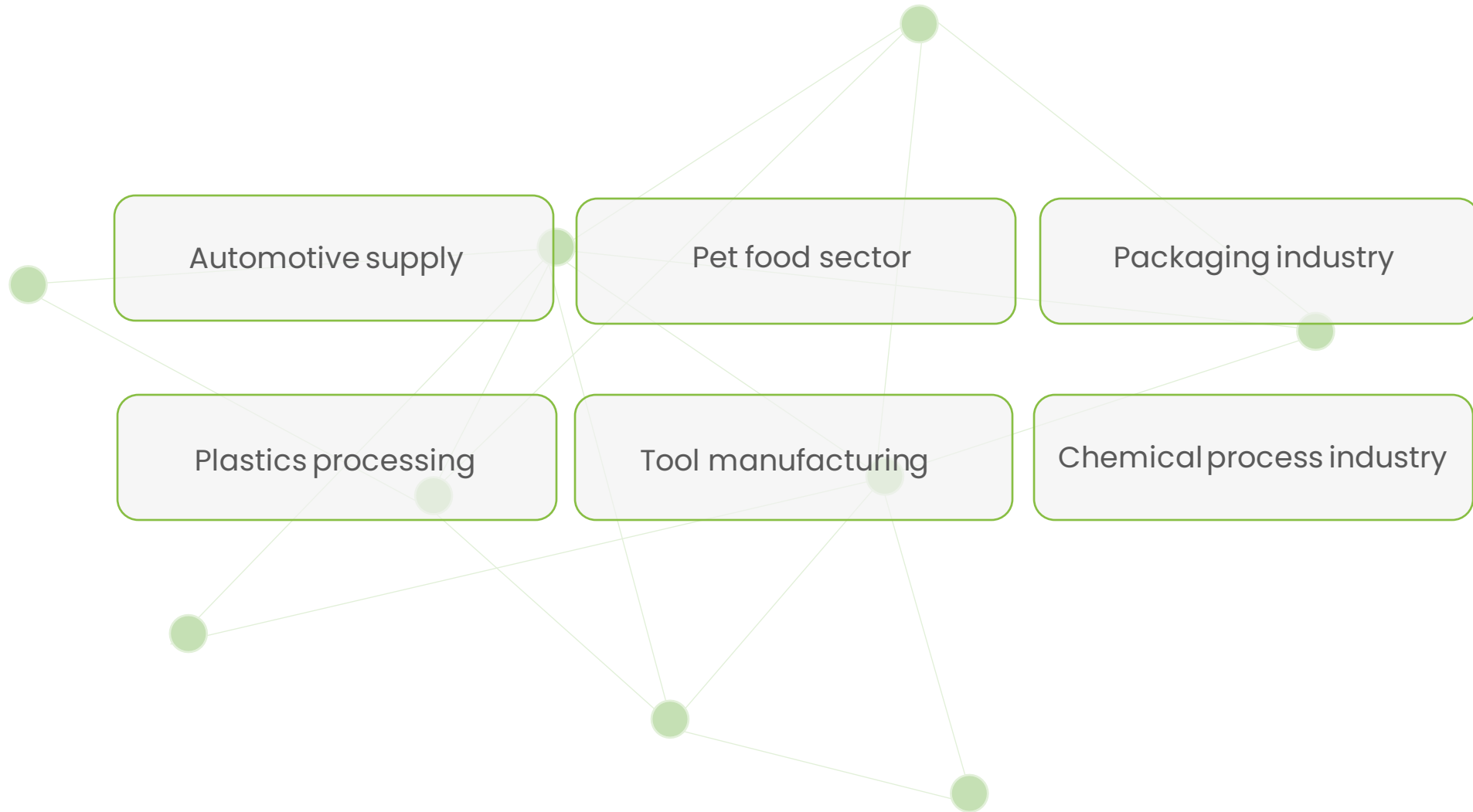
4 different options

- 1 When running the ai-omatic data connection client on a virtual machine in your it-infrastructure: In this case, a Linux VM and a VPN connection is required.
- 2 Siemens Industrial Edge Device (Hardware)
- 3 Avibia IoT Gateway (Hardware)
- 4 Custom Azure Connection via your middleware



Consent to use the Azure Cloud

Cross-industry application possibilities



Our USPs

What sets us apart from other providers



First technological **solution** that can **simulate human thinking**: Consideration of contextual factors & dynamic thresholds



Quickly scalable algorithm that **can be applied to any machine**



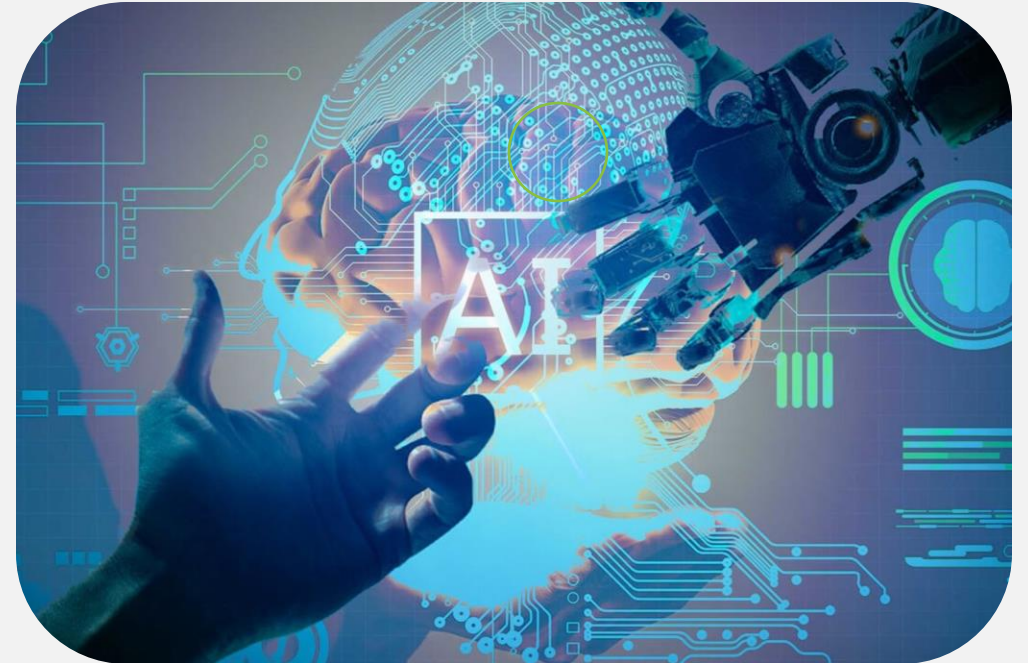
Highly reliable prediction thanks to unique combination of statistics and neural networks



No need for labeled data / large amounts of data



Ready for immediate use
(short installation time)



Our Journey from sensor data to predictive maintenance

How do you benefit the most from our software?

High potential

1. Where do failures result in high costs?
2. Where is an interest in recognizing changes at an early stage for quality reasons?

+

Simple prerequisites

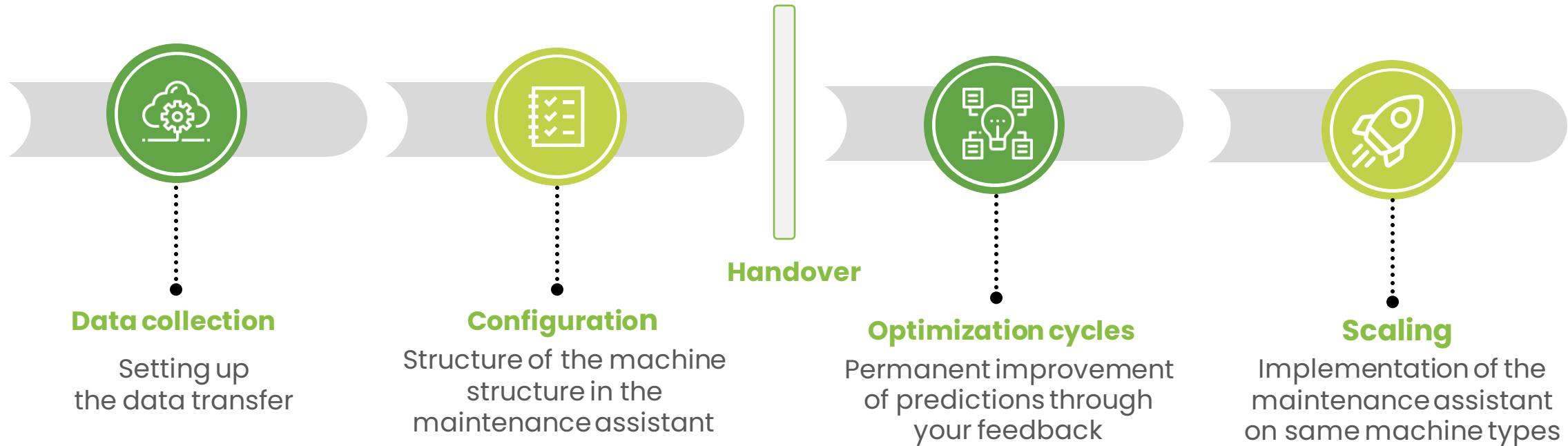
1. Measurement and process variables are already monitored
2. You can imagine that the data allows conclusions about the system health

Project process

From data supply to predictive machine maintenance

Phase 1: Preparations

Phase 2: Application of the software



Our Pricing

Set-up	Live monitoring			Services
<p>6 weeks: Data connection and workshops to set up the dashboard structure</p> <p>Price: 5.000 €*</p>	<p>Essential</p> <p>Up to 10 channels</p> <p>Price: 99 € / month</p>	<p>Premium</p> <p>Up to 50 channels</p> <p>Price: 499 € / month</p>	<p>Elite</p> <p>50 - 200 channels</p> <p>Price: 899 € / month</p>	<p>Individual consultation</p> <ul style="list-style-type: none"> • strategic • technical <p>Price: 980 € / day</p>

*plus approx. € 1000 hardware IoT gateway (if required)

Product for analyzing machine data from the PLC using OPC-UA with the aim of anomaly detection, cause identification and early fault detection.

Partner & customers

Success stories that speak for themselves

Partner

INCEPTION PROGRAM

Co-funded by the European Union

Customers

Are you interested in revolutionizing the industry with us?

Contact us for more information about this business opportunity.



TRANSPARENT. RELIABLE. EFFICIENT.



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