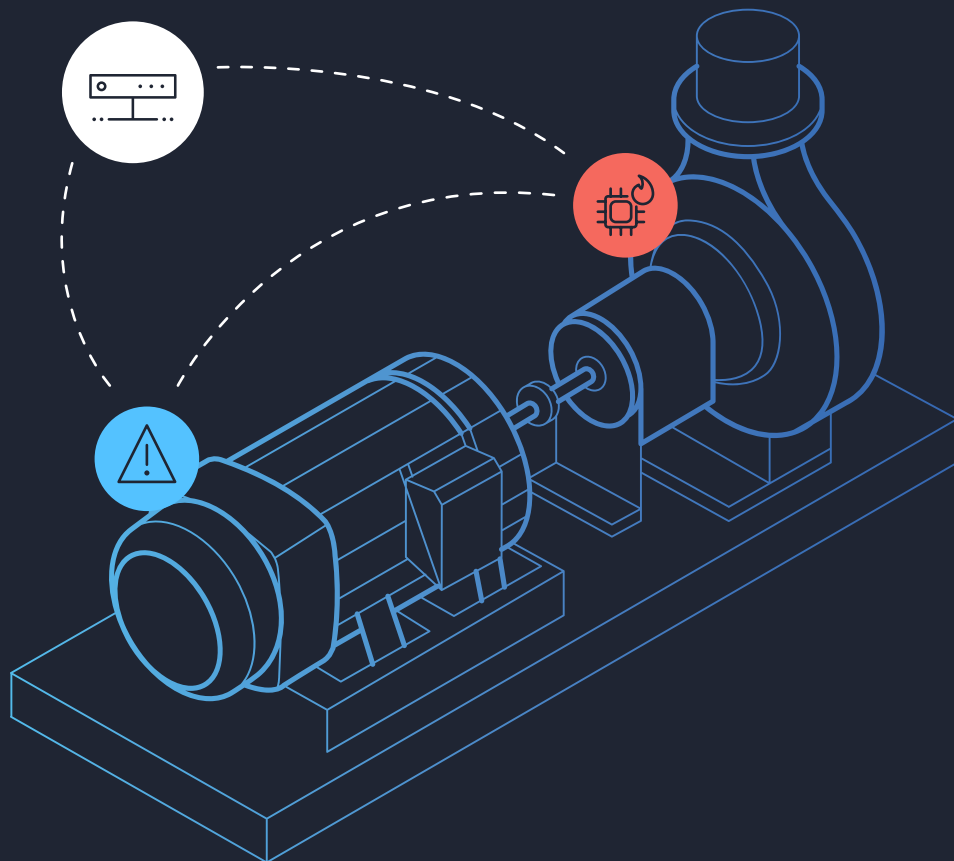




# Condition Monitoring Solution Overview

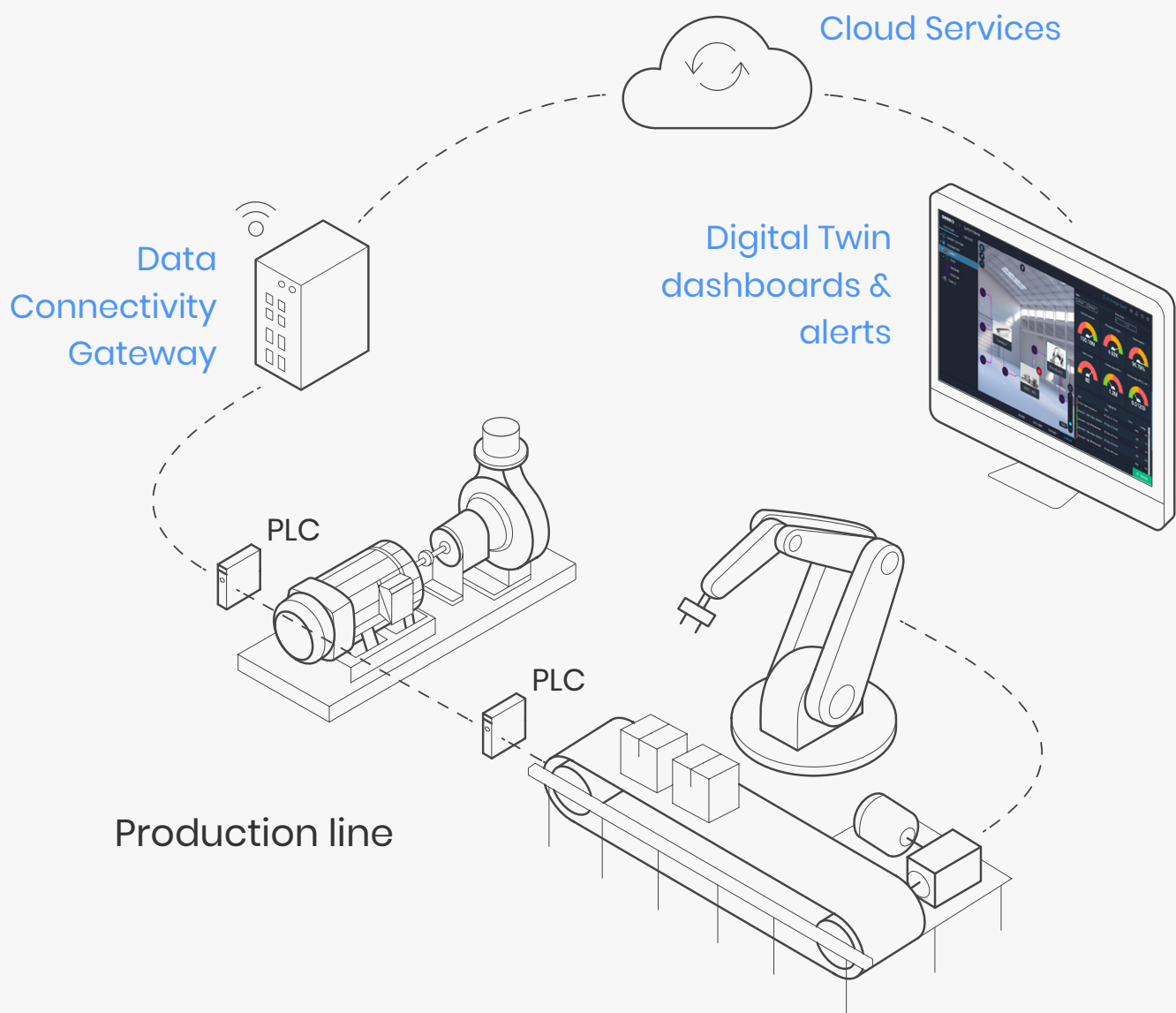
Reach operational excellence through  
reduced downtime and optimized OEE



# Introduction

Seebo's Condition Monitoring Solution gives factories and machinery OEMs deep visibility into their equipment health and actionable insights to maximize overall equipment effectiveness (OEE), reduce maintenance costs, and cut downtime.

Seebo Condition Monitoring is a full turnkey solution - including data connectivity hardware and software, data analytics, dashboards, and alerts - delivering business outcomes with unmatched speed-to-market and predictable ROI.



# 5 Key Benefits of Seebo Condition Monitoring



## **Reduced maintenance costs**

Maintenance becomes proactive and timely, cutting labor and travel costs, and repairs are done before critical damage occurs, thereby reducing downtime. Service time is reduced, and customer satisfaction improved.



## **Maximized production**

With accurate and extensive readouts from sensors on production machines, combined with data analytics algorithms that pinpoint production inefficiencies, new levels of productivity can be attained.



## **Optimized spare parts inventory**

An overstocked inventory of costly spare parts impacts margins, while not having a replacement part when it's needed increases downtime. Condition Monitoring enables accurate forecasting of the demand for spare parts leading to better inventory management.



## **Data-driven product development**

Asset behavioral data collected over time can be aggregated and analyzed by engineering to identify product design flaws that can be rectified in subsequent product versions.

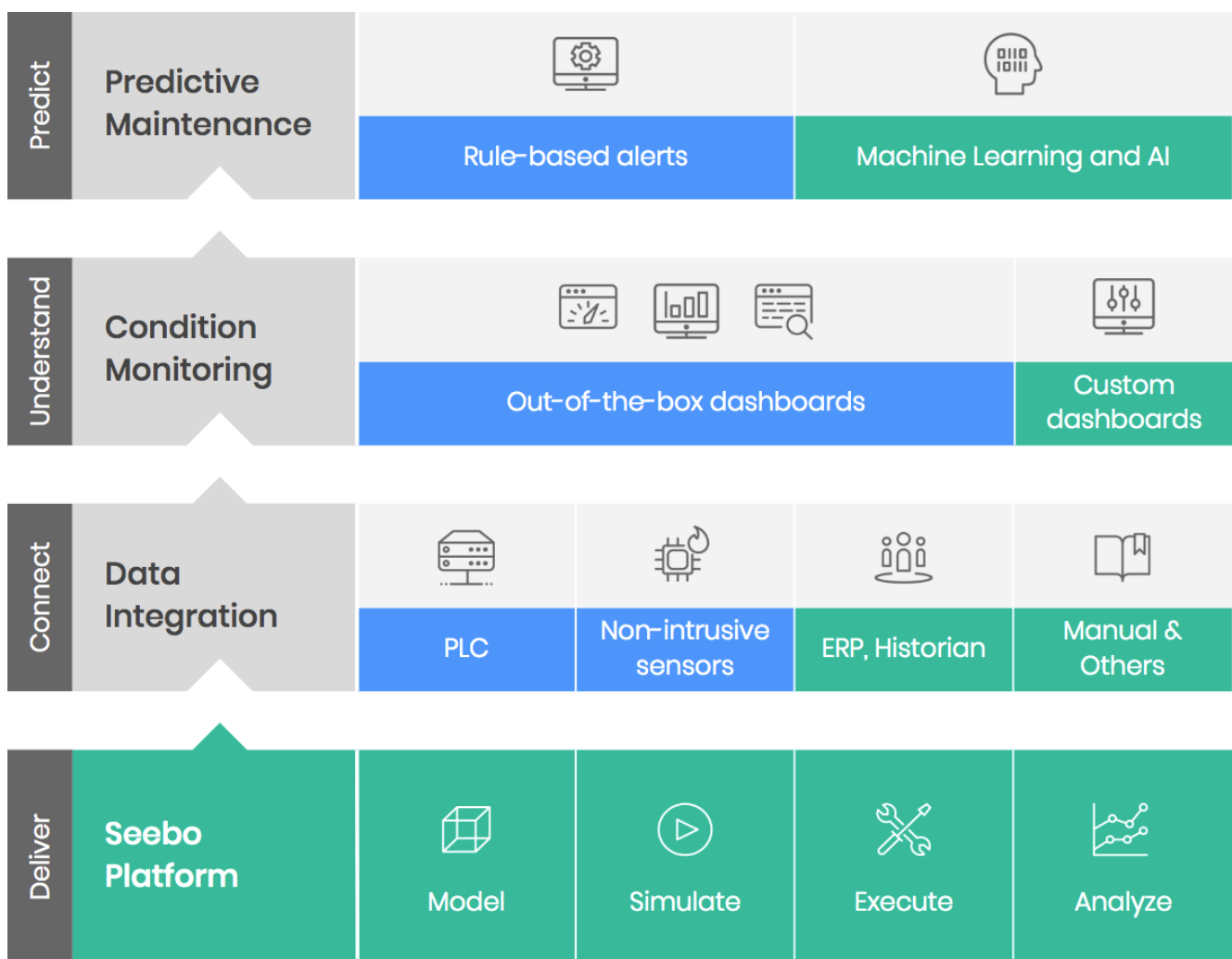


## **Extended machinery lifetime**

The health of a machine and all of its components is monitored in detail. Overheating, wear-and-tear, and other threats to the machine's well-being are taken care of in a timely manner, lengthening the machine's lifetime.

# Condition Monitoring Solution features

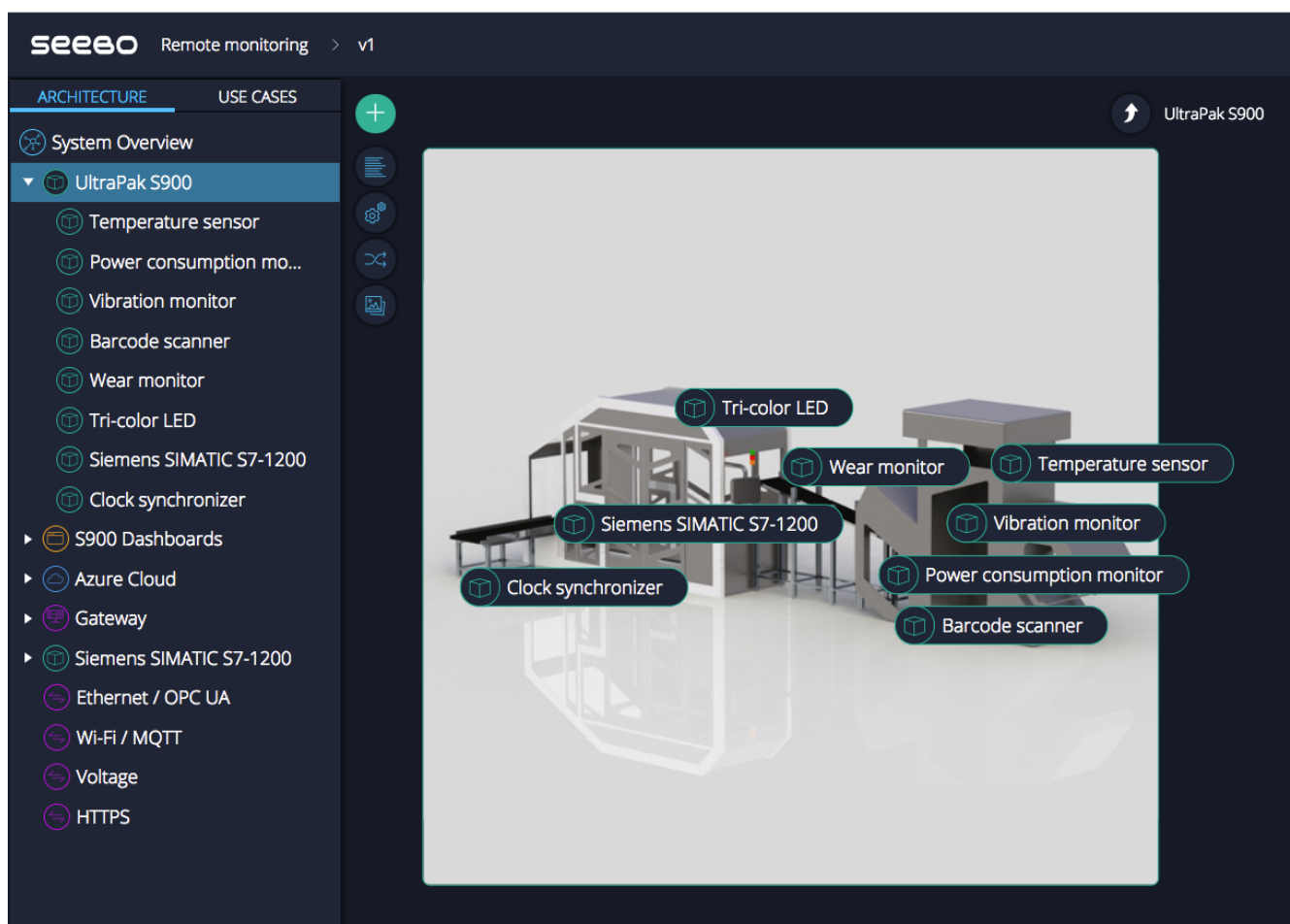
Powered by the Seebo platform, Seebo Condition Monitoring has the flexibility to meet your exact business needs today, and in the future.



# Solution features

## Digital Prototype

Get a working digital prototype of the solution from the Seebo team, customized to include specific dashboards and performance metrics, rules for critical alerts and warnings, required sensors, and a data connectivity blueprint – all within just 2 weeks.



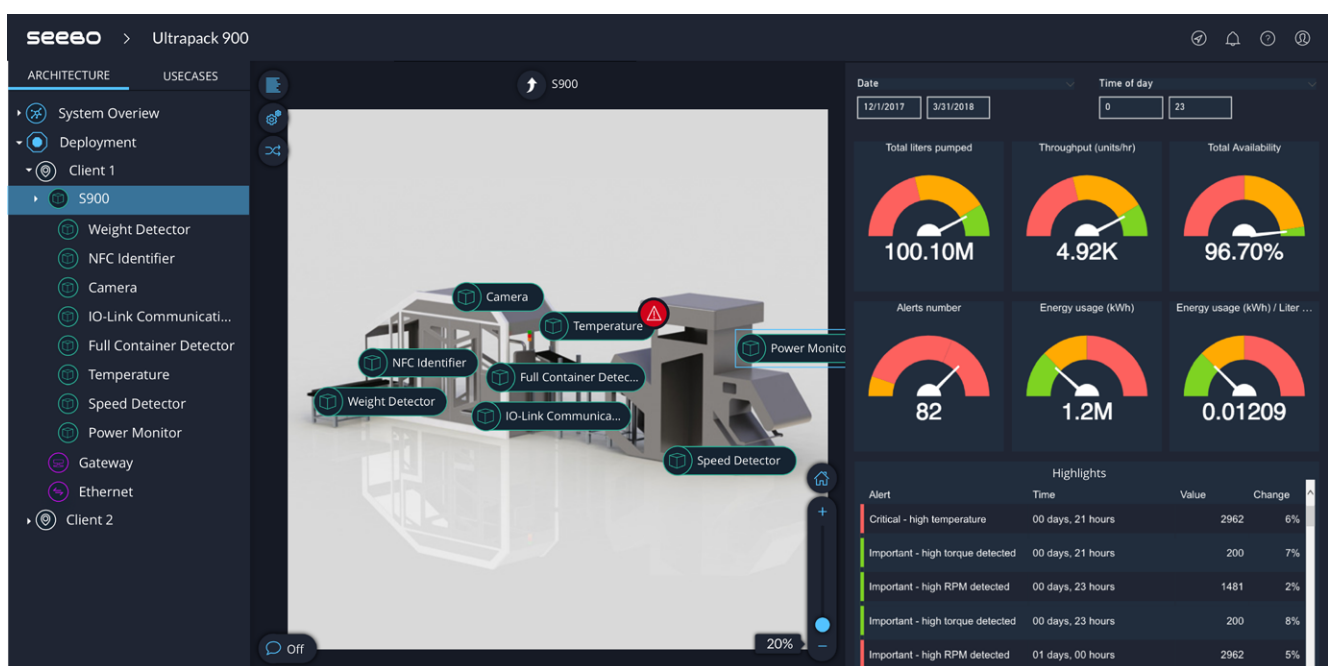
## Simulation

Validate the solution functionality and completeness of scope using the Seebo IoT Simulator to minimize risks and eliminate surprises. Use embedded discussions to provide feedback, and approve detailed, structured specs – which are automatically generated from the digital prototype.

# Solution features

## Data acquisition

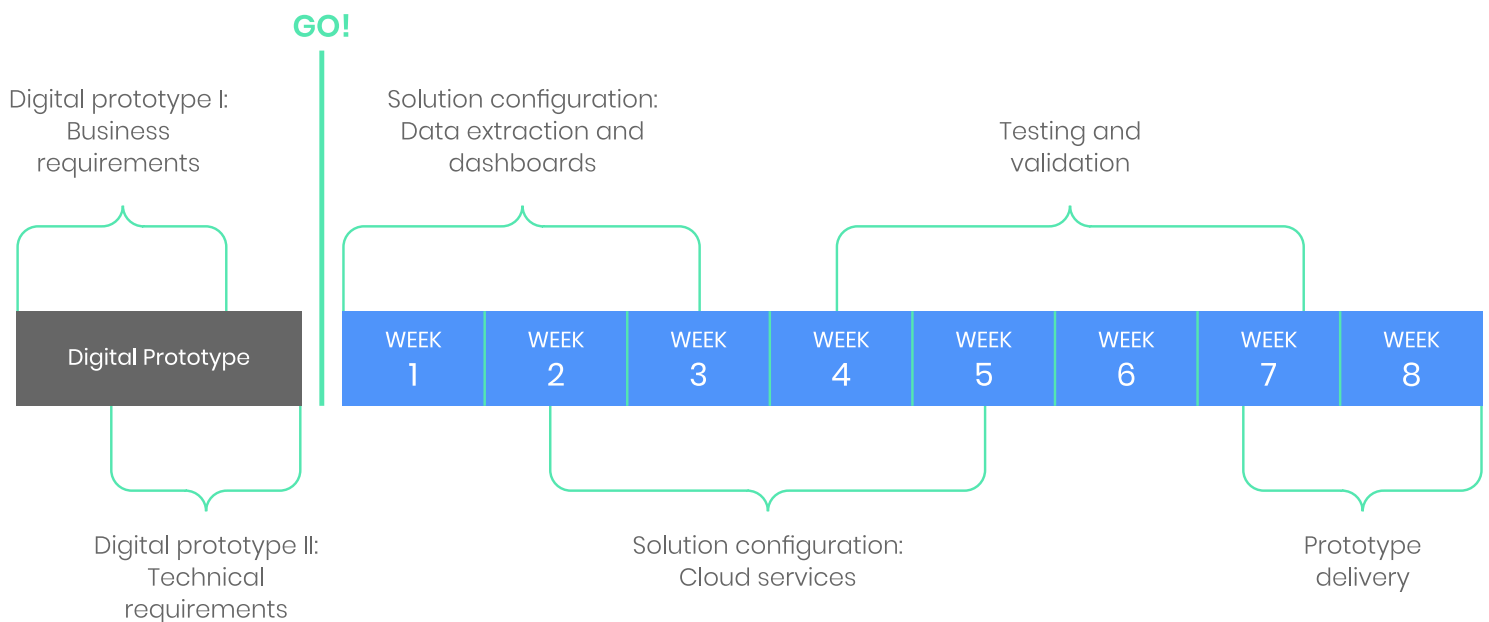
Seebo Condition Monitoring integrates data from existing PLCs and sensors, as well as from ERP and historian data sources. You may also add new non-intrusive sensors to broaden data collection. Data is securely extracted using OPC UA, or your company's preferred industrial data connectivity protocol.



## Digital Twin analytics

Seebo Condition Monitoring provides users with a unique and intuitive HMI to visualize and analyze the performance of production lines and machines. By drilling through a digital twin of your deployments – with relevant KPIs and alerts presented at each level of the digital twin – you will quickly pinpoint performance anomalies and their root cause.

# Turnkey Solution Delivered in 8 Weeks



Delivery of the Seebo Condition Monitoring solution starts with business and technical discovery workshops – led by Seebo’s Client Solutions team – to define the key performance indicators that are to be reported, along with all the technical parameters of the solution.

In just two weeks, Seebo delivers a digital prototype of the condition monitoring system. The Seebo platform enables collaborative and agile prototyping – clients review and provide feedback from within the platform, until an approved version of the digital prototype is reached. The Seebo platform then generates a structured solution blueprint that describes the desired solution in granular detail.

Fast-forward just 8-10 weeks, and Seebo delivers a working Condition Monitoring solution based on the digital prototype. The entire solution is built using the Seebo platform tools, enabling clients to easily and rapidly modify the solution – once in production – as the business demands.



# Turnkey Solution

## **Next Step: Discovery Workshop**

Partner with the Seebo team to define your business needs and blueprint the system structure. In just 2 weeks, Seebo will deliver you a fully-functional and customized digital prototype of your Condition Monitoring solution.

To get started, contact your Seebo sales representative to schedule your Discovery Workshop.





Seebo is an Industry 4.0 SaaS platform with packaged solutions for Remote Condition Monitoring, Predictive Maintenance, Smart Factory, and New Product Innovation.

Powered by the Seebo platform, Seebo solutions combine visual tools for IoT Modeling, Simulation, and Analytics – with vertical templates and best practices. The result: unmatched speed-to-market and predictable ROI.

Manufacturers across industries – including Grundfos, BIC, Procter & Gamble, Ralph Lauren, and many more – use Seebo to improve overall equipment effectiveness (OEE), cut service costs, and maximize asset uptime.

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