

Die nächste Evolution der MindSphere Out of the Box-Lösung "Operations Insight" erleben



Agenda

- Warum Operations Insight?
- Was ist Operations Insight?
- Wen sprechen wir an?
- Was Operations Insight leistet (eine Demo)
- Wie Operations Insight Entwickler unterstützt
- Go to Market
- Die Zukunft von Operations Insight



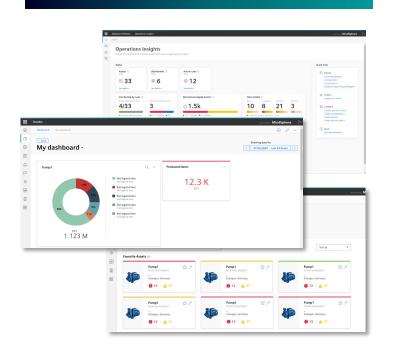
Ausgangssituation

Warum Operations Insight?



Business Challenge

Lack of deep IT skills and resources prevent small and mid-sized manufacturers to build & maintain a cloud native IoT app that covers generic contextualized data monitoring and dashboarding as well as insights generation.



Operations Insight

A central entry point for leveraging contextualized data to monitor industrial assets and gain insights about your fleet based on time series data

Inbuilt, immediate site and fleet management and monitoring

Customizable dashboards and configurable data access

Flexible rules and alerts

Intuitive and visual timeseries data analysis

Versatile and easy KPI management

Maintenance work order management

Vorteile

- Schnelle Realisierung von Out of the Box IIoT-Lösungen
- Herabsetzen der Einstiegsschwelle in IoT
- Einfache und intuitive Visual Analysis
- Skalierbare und erweiterbare Lösung



Was es ist

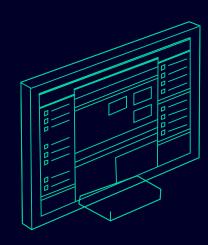
Was ist Operations Insight?





Operations Insight ist die nächste Generation der MindSphere Out of the Box (OOTB) IoT-Lösung

- Optimierter Funktionsumfang aus bereits bestehenden MindSphere-Lösungen
- Enthält viele Kundenrückmeldungen
- Verbesserte Benutzerfreundlichkeit und Interoperabilität
- Nahtlos erweiter- und skalierbar



Wen sprechen wir an?

Die wichtigsten Anwender von Operations Insight



Operations Insight End user key personas and respective user journeys

Connected Product

"I want to enhance my product and digitalize my business model"

Susan Service

(part of customer service team of OEM)



"I want to remotely monitor the status of the customer's assets and fix issues fast"

Field technician

Later



"I want to fix my customer's assets issues fast by leveraging IoT data and insights using my mobile device"

Connected Shopfloor

"I want to make my shopfloor more effective and improve operational excellence"

Martin Maintenance/ Maintenance engineer



"I want to monitor the status of my assets and fix issues fast"

Paul Production/ Production/operations engineer



"I want to analyze my performance and production data and schedule maintenance activities"

Plant Manager



"I want to create/view dashboards of my plants data and KPIs to take the right decisions"



Was macht es?

Demo und Features



Anwendungen und Demo

Operations Insight Demo mit Hauptanwendern

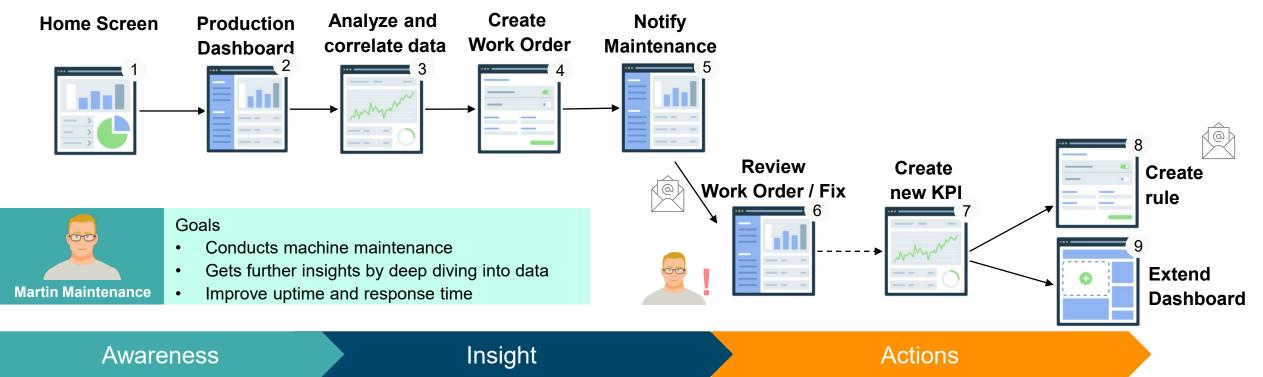


Analyze performance data and schedule maintenance Persona journeys



Goals

- Monitors performance of production lines
- Compares KPIs between lines and sites
- Plans and coordinates required maintenance activities



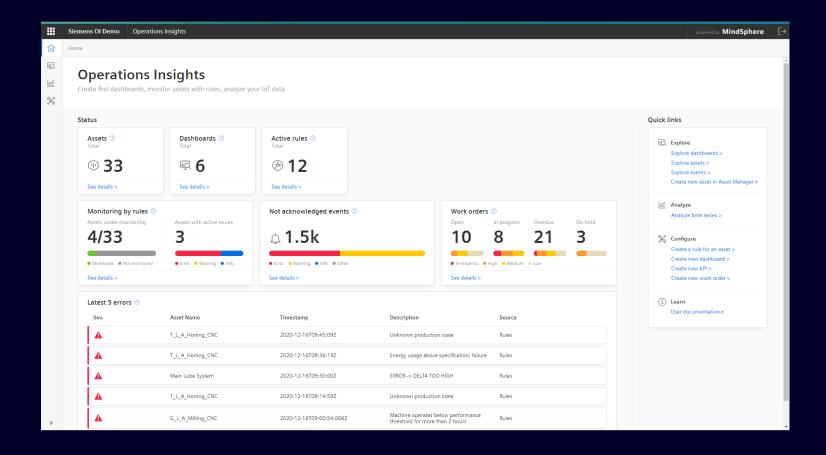


Was es macht

Die wichtigsten Features von Operations Insight auf einen Blick



A new and seamless experience for working with IoT data in MindSphere.

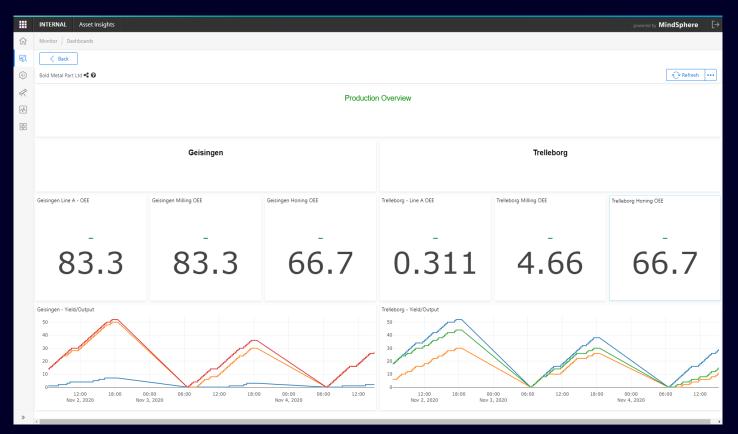


Get started quickly

We guide you through major IoT use cases to monitor and analyze your assets and production.

Get an overview of all relevant information and KPIs with our new widgets and welcome page.

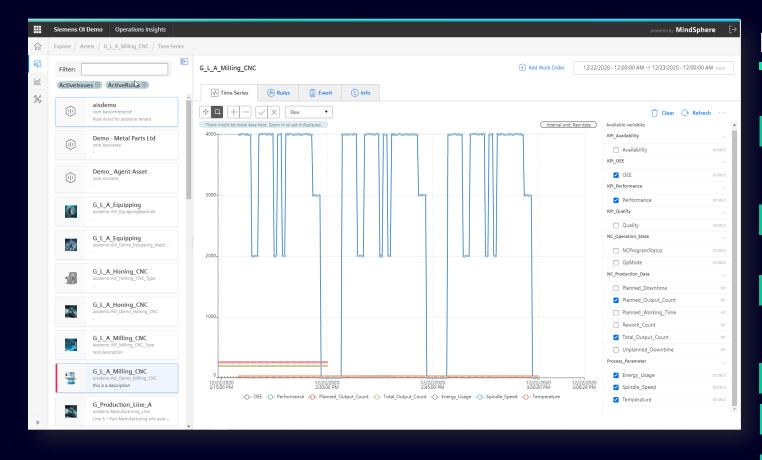
Customizable dashboards and configurable data access



- Mashup an overview of your machines or production performance based on widget-based dashboarding
- Wide range of visualization types for industry-specific use cases
- Get instant access to machine and plant performance data worldwide

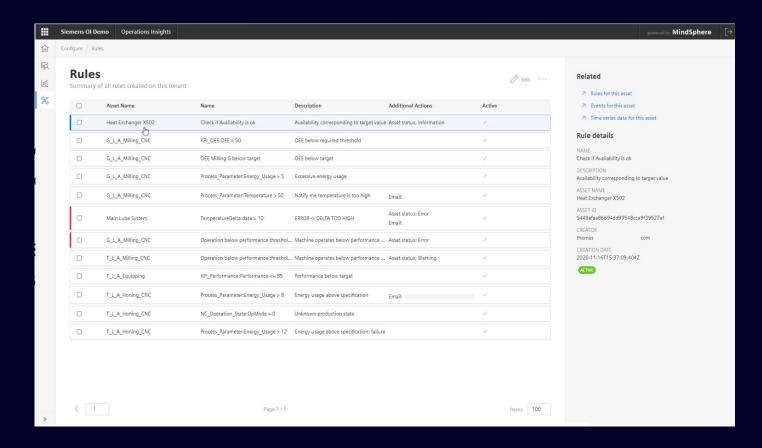


Operations InsightFleet Management



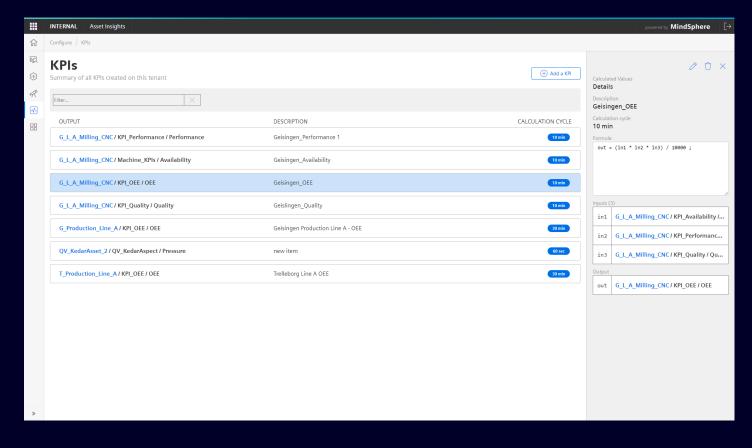
- Quick overviews about connected assets and devices with near-real-time data visualizations
- Easy identification of asset health via color coded status information
- Multi-dimensional views support the systematic investigation in your assets or production performance
- 4 Flexible filter and sort capabilities
- Detailed views of asset information and their status
- Individual extension of capabilities via plugin interface

Operations InsightRules and Notifications



- Enable preventive maintenance with easy to configure rules to trigger events and notifications keeping users informed about asset condition
- Combine them with further actions for setting an asset status, creating work orders and custom business logic

Operations Insight Versatile and easy KPI management



- Enable cross linking of data
 Define KPIs on your IIoT data using a visual expression builder and Java Script
- Easy and quick selection of data points from different data sources
- Manage all your created KPIs and apply them quickly to other assets
- Re-use calculated KPIs in any MindSphere applications
- Visualize KPIs on a dashboard or leverage them in any other app

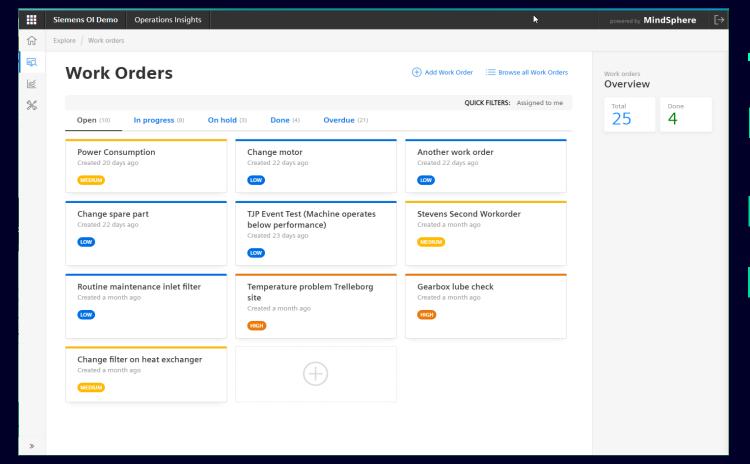


Intuitive and visual timeseries data analysis



- Ad-hoc data analytics and comparison functions to spot anomalies easily with flexible filters
- View historical data from different assets or devices simultaneously in one view
- Rich visualization options to build charts for analysis of performance
- Save custom views of your data for later usage and share them among your organization

(Maintenance) Work Order Management



- Investigate on issues and ongoing maintenance activities within your production and assets
- Quickly get an overview about the number and status of all work orders
- Create work orders from different locations within Operations Insight

Go to Market

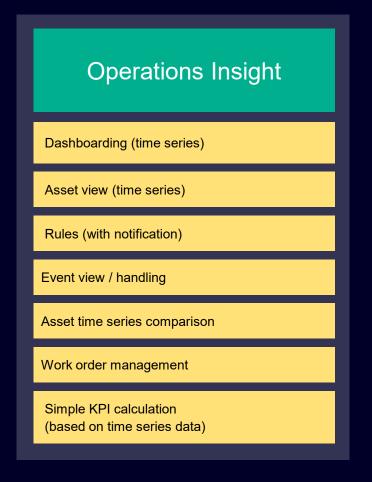
Wo und wie Sie Operations Insight "finden"



Operations Insight ist eine MindSphere Core Solution

Enthalten als Teil aller DevOps und IoT Value Pläne*

- Aktuelle und bestehende** Pläne
- Support von Time Series Daten
- Alle Funktionalität enthalten es kann sofort gestartet werden
- Einige Features haben Quota



^{*} DevOps and IoT Value Plan price remains unchanged

^{**} Eventuell müssen die Rollen "io.creator" or "io.viewer" im Tenant hinzugefügt werden



Was es für Entwickler macht

Wie Operations Insight Entwickler unterstützt

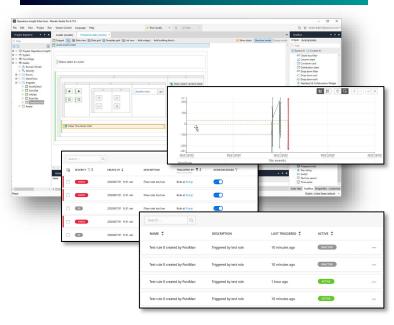


Support the Makers in your organization



Business Challenge

Disconnect between OT and IT. Lack of deep IT skills and resources prevent small and mid-sized manufacturers from building & maintaining a cloud native IIoT application.



Operations Insight

Offering a versatile solution that allows integration of own functionality as well as components to integrate MindSphere's UI components into own applications.

Reusable web components

Easy interoperability between OI and Mendix

Support for 3rd party development

Benefits

- Accelerate IIoT solution development with reusable, intuitive visual objects
- Standardized and repeatability
- Reduce technical barriers when developing applications with lowcode design
- Integrate own developments into existing Operations Insight



Operations Insight Multiple options for extension and customization



We provide multiple ways of customization...

Solutions Insight Extensions

- Extend Solutions Insight directly via plugins that integrate seamlessly
- Stay in the primary solution space and focus on your specific capabilities



Asset Detail Views

- Define specialized views for asset details (formerly known as Fleet Manager Plugins)
- Build on the existing navigation and functionality to browse and filter assets



Common data model

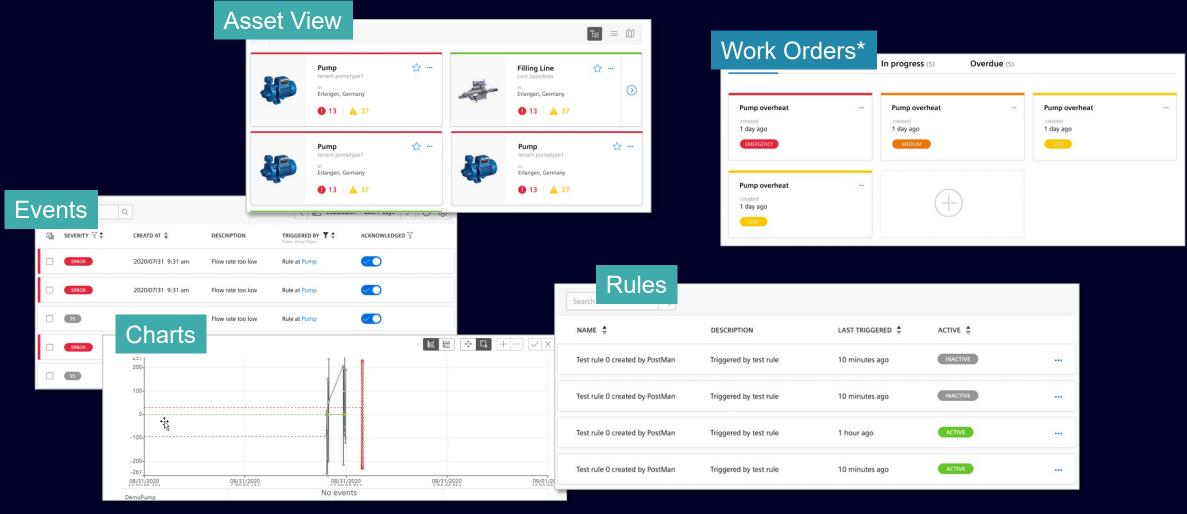
- Use and share data between Operations Insight and other apps
- Develop your own business logic and use Operations Insight for visualization or visualize KPIs in the tool of your choice





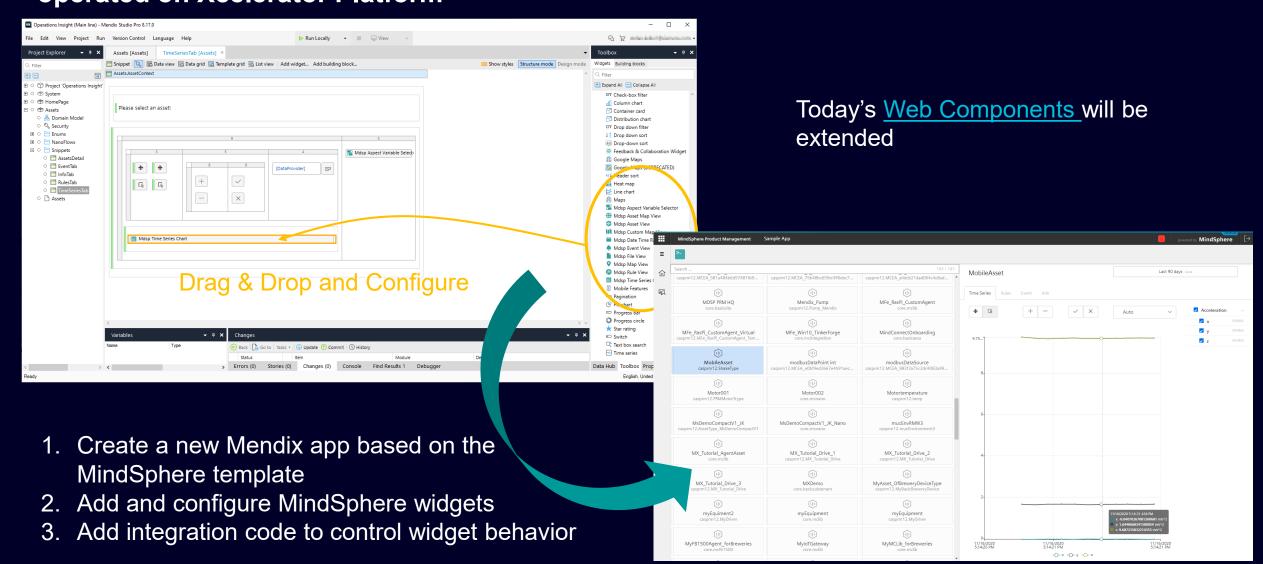






Maker

Build your own application in Studio Pro based on Operations Insight widgets operated on Xcelerator Platform



Weitere Information

Documentation Operations Insight

Entwicklerdokumentation

MindSphere Web Components

MindSphere Web Components for Mendix

Asset monitoring example application on Mendix



Kontakt

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