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GEA InsightPartner® Separation KPIs

Features, benefits and technical information

Subject to modifications.

GEA InsightPartner® Separation KPIs offers a comprehensive dashboard that provides real-time access to productivity-relevant operating parameters of GEA centrifuges. These insights enable plant and production managers, quality managers and operators to enhance operational efficiency, identify savings and untapped optimization potential, and improve product quality. The solution visualizes key performance indicators such as production volumes, energy consumption and Cleaning in Place (CIP).

Product features of GEA InsightPartner® Separation KPIs

Cloud-based platform
- The data is processed and stored in the secure GEA Cloud® in compliance with latest industry standards and accessible via the GEA Portal.

User interface
- A dashboard provides a central hub for users to view and analyze the data. It offers features like customizable views, real-time updates and trend analysis tools.

Real-time KPI visualization
- Continuous visualization of key production metrics such as volumes, energy consumption, and discharges, providing a comprehensive overview of the equipment's status.

Trend analysis and anomaly detection
- Allows users to compare different time periods to identify anomalies and untapped productivity opportunities, facilitating proactive decision-making.

CIP visualization
- Provides insights into the CIP process in order to identify possible starting points for optimization and cost savings.

Data export and API integration
- The solution includes an API for data export, allowing for integration with other systems and enabling further analysis or reporting.

Support and analytics
- GEA's network of process experts supports the system, offering assistance and advanced analytics to further optimize operations.*

Your benefits

GEA InsightPartner® Separation KPIs provides users with real-time data and analytics on centrifuge performance, enabling early detection of issues. This allows for proactive maintenance, optimal resource use, and informed decision-making, resulting in reduced operational costs, minimized environmental impact, and improved product quality.

Reduced downtime
- Early detection of potential issues, e.g. during the CIP process, reduces unexpected downtimes.

Optimized resource usage
- Visualization of energy and utility consumption supports achieving sustainability goals by providing data to reduce waste and optimize resource use.

Continuous top-level product quality
- A focus on metrics like milk quality ensure that products always meet the highest standards.

Increased productivity
- Identifying under-utilized resources and inefficiencies allows for optimization.

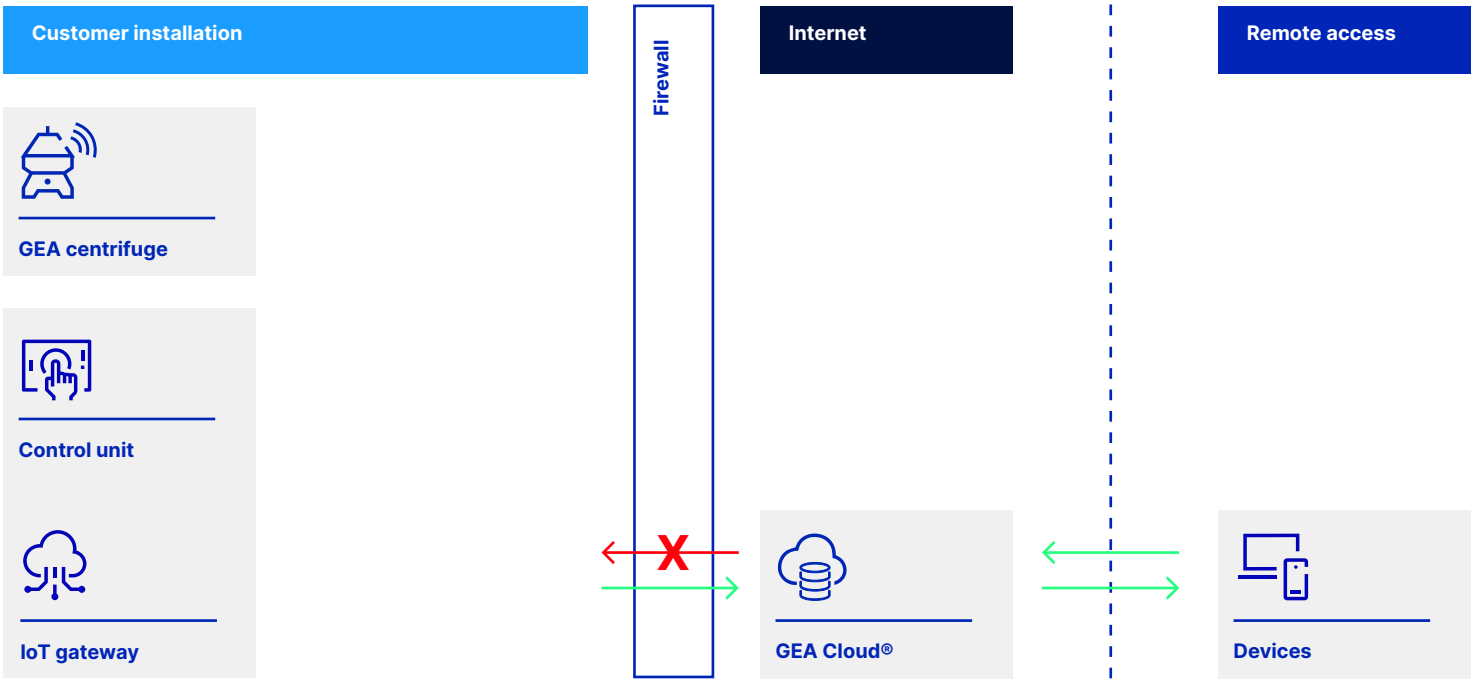
* 2nd and 3rd level remote support provided on demand against hourly rate or incorporated in a Service Level Agreement.

Main components

Item	Description
Power pack**	Energy measurement
Inductive flow meter**	Feed flow measurement
Conductivity meter**	Conductivity and temperature measurement

** depending on version

Network topology



Sample screens

Main dashboard including all sensor data

Customizable report (time period individually selectable)

GEA InsightPartner® Separation product suite

GEA InsightPartner® Separation KPIs can be combined with our Condition Monitoring solution GEA InsightPartner® Separation Monitoring which continuously tracks critical machine parameters like vibrations and bearing conditions through data analytics and additional sensors.

InsightPartner® Separation Monitoring	InsightPartner® Separation KPIs
Monitors mechanical machine parameters	Visualiizes process performance parameters
Asset Health Indicator	Helps to detect untapped productivity potentials and unusual process conditions
Supports avoiding unplanned downtime	
Pre-condition for Service Level Agreements and pay-per-use models	

Information & Cyber Security

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2025/06 EN