

Equipment Monitoring

Digitise equipment to optimise service operations



Eliona offers OEM customers a practical and manufacturer independent platform for monitoring of equipment from a broadly installed base.

DIGITAL SERVICE

Proactive customer service and early detection of incidents

EFFICIENT WITH LIVE DATA

Plan service operations based on live data and act with foresight

KPIs AT A GLANCE

Analyse the KPIs of your systems and identify potential for optimisation

MANUFACTURER INDEPENDENT

Eliona bundles all your system data in one platform via various protocols and bus systems

ALARMING & ESCALATION

Inform your service team via various channels and maintain an overview

TARGETED DEPLOYMENT OF SPECIALISED STAFF

Efficiently plan geographically dispersed operations with predictive or proactive maintenance.

Equipment Monitoring

System or component manufacturers, meter manufacturers and companies with a widely installed base of hardware components rely on a service fleet for installation, maintenance and repairs. The majority of these geographically dispersed operations are based on periodic checks at fixed times without a digital connection to the equipment.

The OEM Remote Monitoring Platform for equipment combines many practical features for manufacturer-independent monitoring of equipment. The quickly installed solution offers connectivity in all conceivable areas, from HVAC systems, energy meters, generators, vending machines, radio masts, wind turbines and much more.



ALARMING AND REMOTE ACCESS TO SYSTEMS

Optimise your service operations with remote access



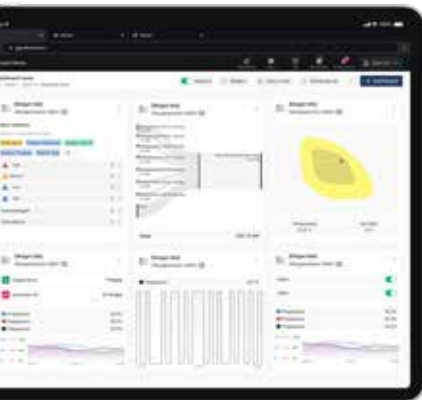
TARGETED DEPLOYMENT OF SPECIALISED STAFF

Efficient service assignments thanks to expert preliminary clarifications and remote access

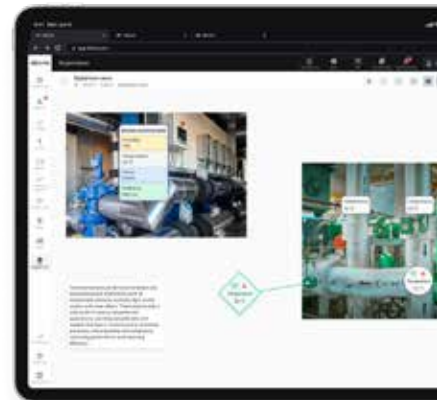


30% HIGHER EFFICIENCY IN EQUIPMENT MANAGEMENT

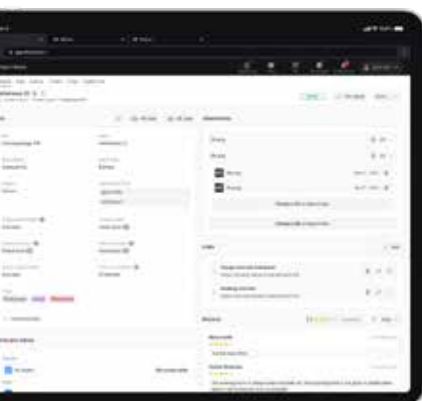
Through cost reduction, process optimisation and single point of truth



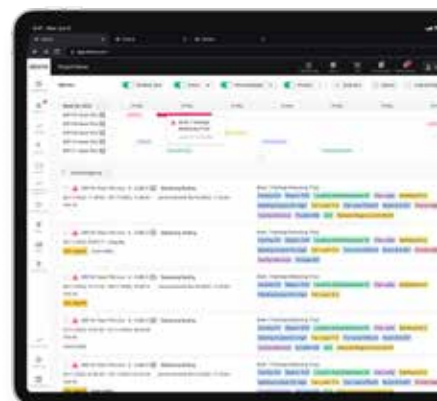
Customisable dashboards for monitoring and managing the systems



Photorealistic digital twin with live data for easy access for non-technical personnel



Asset management with detailed information, live data, AR functionalities and much more



Detailed and comprehensive alarming and ticketing system with rule engine and escalation.

Scope of delivery

Our solution connects HVACSE systems, meters, generators, vending machines, wind turbines and so on for OEM customers. You receive a comprehensive package of software and services customised to your requirements.

With «Equipment Monitoring» you get:



A cloud instance of Eliona

You get unlimited access to an Eliona instance in the cloud. Eliona is the basis for bundling equipment data, making it available in other applications and utilising your equipment efficiently.

Together with you, our consultants analyse your individual asset, system and process landscapes and identify the best way to implement Eliona in your infrastructure.

Expert workshop with analysis



Connectivity and data modelling

Our experts connect Eliona to your systems and develop a customised data model for you. Individual data points in your infrastructure become structured equipment assets managed in Eliona.

Track the most important KPIs for your equipment live on customised dashboards. We create views customised to your needs, which you can continue to use as you wish.

Track KPIs on dashboards and smart views



Alarms and escalations via SMS, email, etc.

We define a comprehensive set of rules for you that informs you of alarms and incidents in your monitored infrastructures. Experts can be notified by SMS, e-mail, etc. via calendars.

We create and link digital images of your equipment with Eliona. This allows you to monitor and control your systems remotely or on site. You can use AR to read and control equipment via a mobile device.

Digital twin & AR



Technical data

Interfaces

- MQTT
- Webhook
- RESTful
- Kafka
- OPCUA
- Modbus
- M-BUS
- Niagara

Platform

- Ubuntu nativ / VM / Container technology
- PostgreSQL & TimescaleDB
- NGINX

Digital twin & AR

- Create an unlimited number of digital images of your systems
- Link digital images with an unlimited number of
- many data points
- Read live data
- Control systems

KPIs

- Utilisation
- Availability
- Maintenance requirements
- Energy consumption
- Sustainability
- Much more

Data import

- Data import .csv
- Data import .xml
- Data import .json
- Data transfer FTP, SFTP, HTTP
- Data import via mobile reader

Analyses and reports

- Automated reports by e-mail
- Granular analyses of assets
- Operating times
- Multi-year comparison

Alarming, ticketing and escalation

- Powerful rule engine
- Alerts with different priorities
- Create work orders directly from alarms
- Escalate alarms via email, SMS, Slack, etc.
- Unlimited number of alerting and escalation calendars