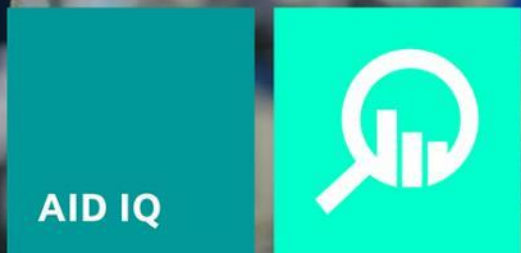


SITRANS AID IQ

Analyzer Intelligence Director



[siemens.com/processanalytics](https://www.siemens.com/processanalytics)

SITRANS Analyzer Intelligence Director IQ

Unexpected device downtime as big challenge for local service



1

It is necessary for analyzers to be **highly available**

2

Unanticipated downtimes and errors take up too much service capacity

3

High complexity of process analytics due to the low number of persons – How can I still manage the devices well?

4

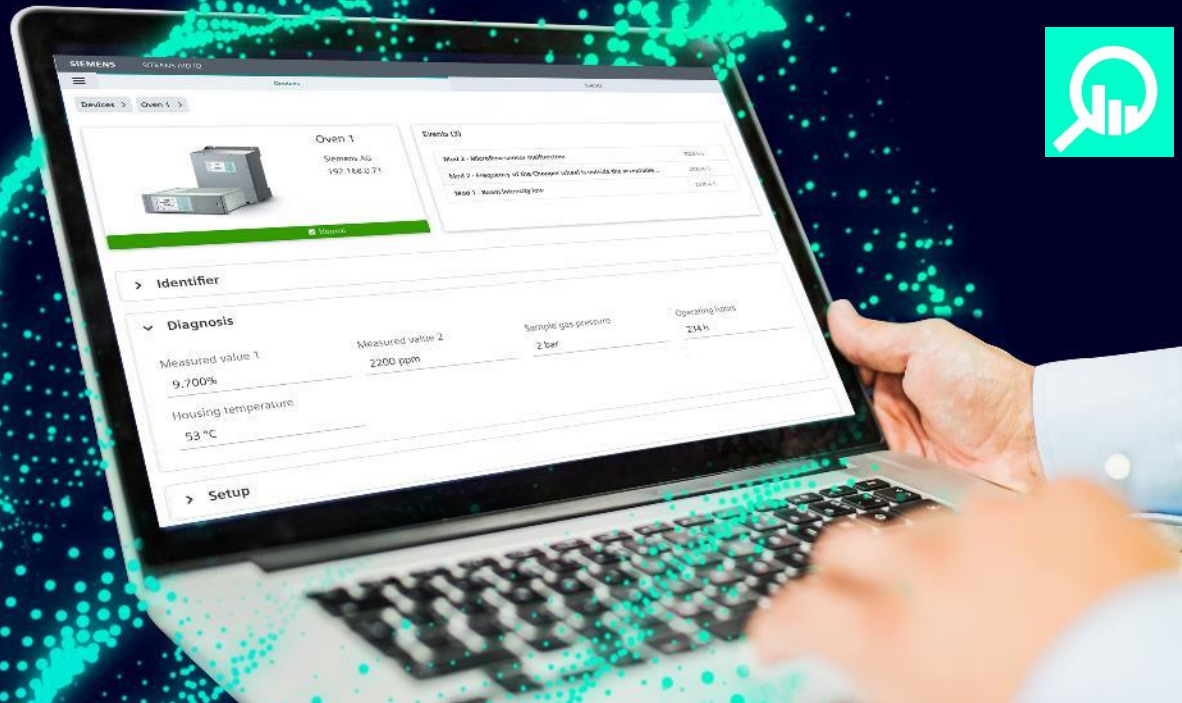
Many preventive device inspections take up too much time, making it difficult to focus on the critical issues

What if...

these issues can be solved by early prediction of maintenance issues using intelligent software?

SITRANS Analyzer Intelligence Director IQ Introduction

AID IQ



[siemens.com/aidIQ](https://www.siemens.com/aidIQ)

What is SITRANS AID IQ?

A software solution that uses the internal diagnostic data of Siemens Analyzer to predict future health status and developments

AID IQ displays the relevant diagnostic data of the devices for the user and provides relevant service information

AID IQ constantly analyzes device data, monitoring it by means of functions defined by experts

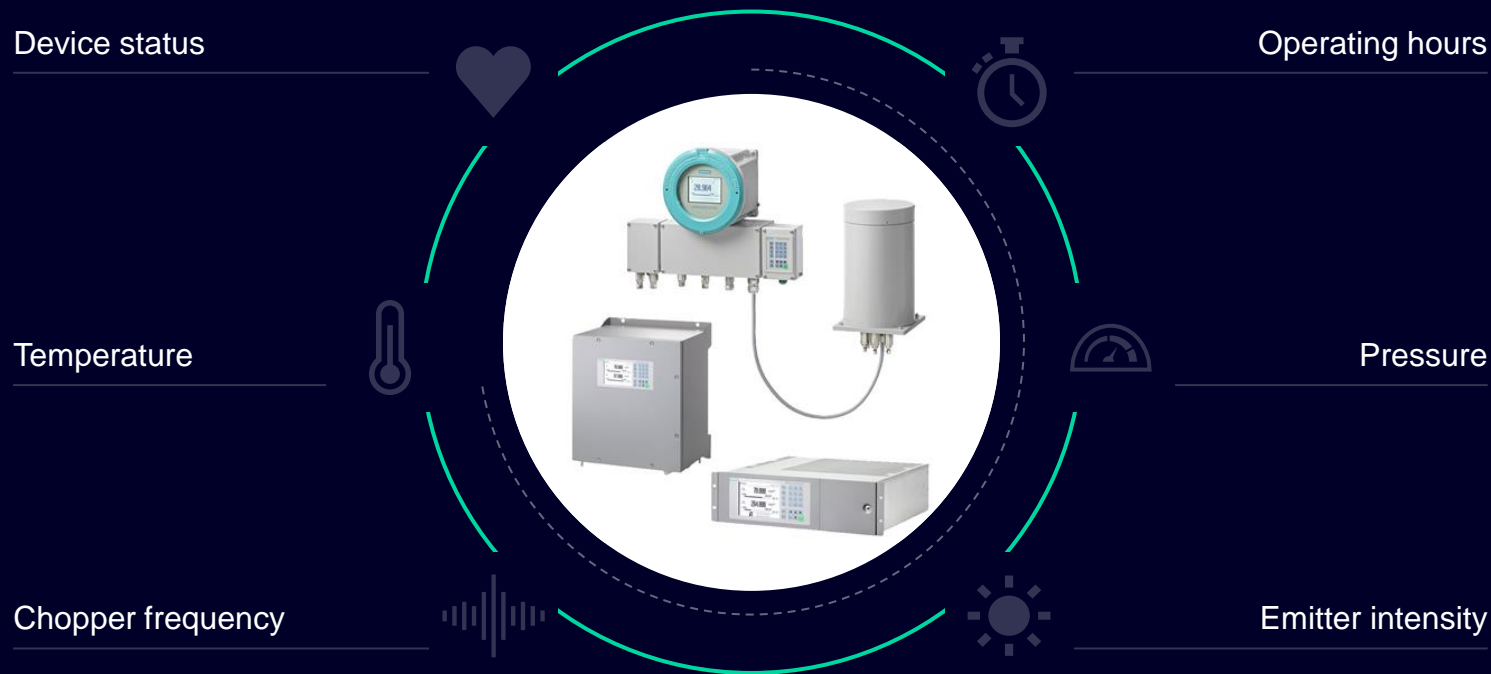
Whenever an anomaly is discovered, AID IQ informs the user, identifies the cause of the problem, and suggests a solution to the user

AID IQ monitors the typical problems and causes of failure and monitors key device components, thereby identifying early on if there are any negative developments

SITRANS Analyzer Intelligence Director IQ

Broad range of diagnostic data are used for health status check

Predictive diagnostics for continuous, extractive process analytics



How does AID IQ work?

AID IQ reads the internal data of the connected devices and displays it continuously

SITRANS AID IQ also analyzes this data automatically by means of predefined functions

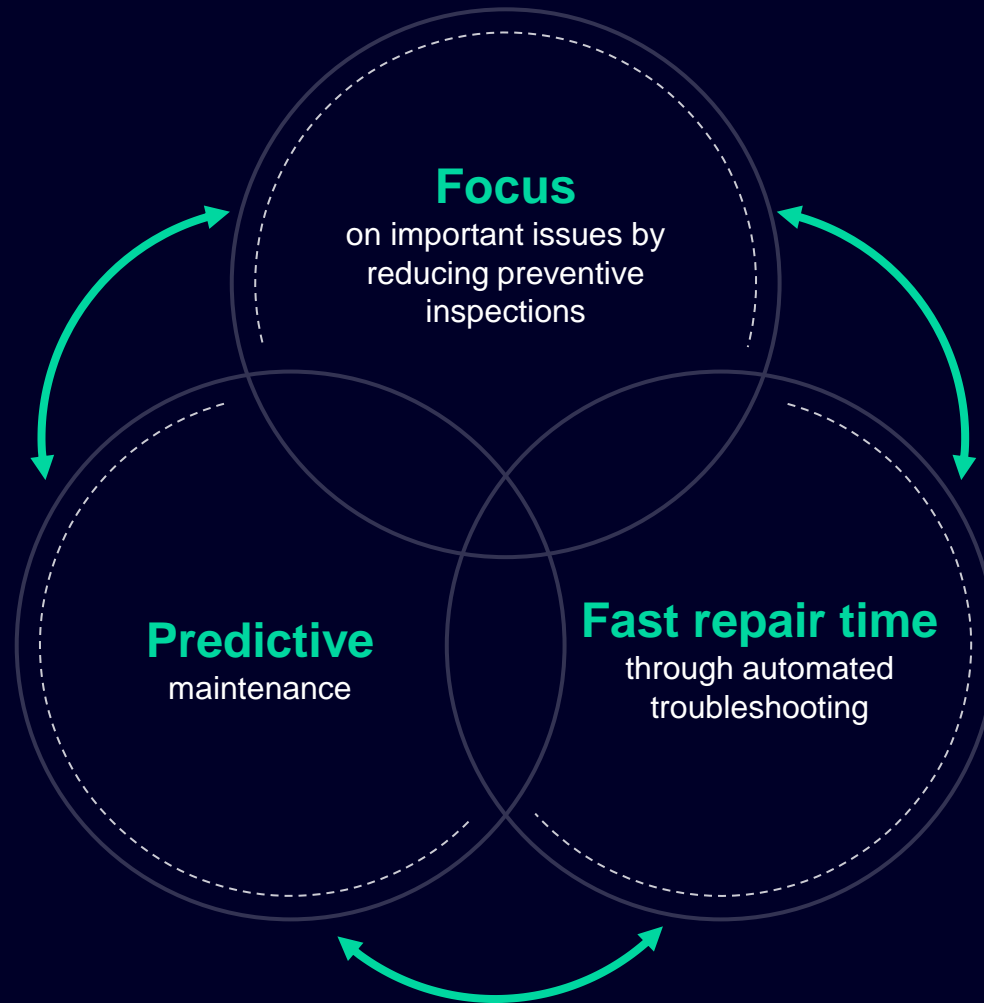
Or the user can analyze these values manually

Example

- Aging of components is a typical process of analytical instruments
- AID IQ warns the user once a physical component reaches a critical range that will soon result in an adverse effect
- This gives the user time to coordinate maintenance
- Without AID IQ, the user would be
 - unaware of the problem until the device stopped working or
 - would replace the component too soon

SITRANS Analyzer Intelligence Director IQ

Using AID IQ to Implement a modern service strategy



Core Functions

- Central monitoring of device information and provision of all relevant data
- Statistical analysis of analyzer data for the detection of anomalies
- Identification of the causes of error
- Provision of service recommendations

Customer Benefits

- ∧
 - Availability
 - Measurement reliability
 - Faster troubleshooting
 - Faster repair

- ∨
 - Reactive services
 - Device inspections
 - Personnel deployment for Siemens analyzers

SITRANS Analyzer Intelligence Director IQ

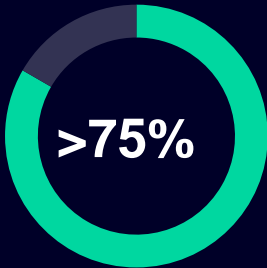
Using digitalization to generate added value for Process Analytics



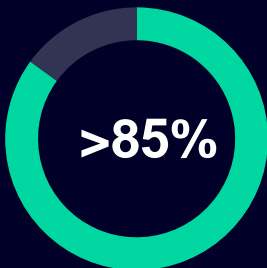
Do you want
to maximize the availability
of your analyzer?



Reducing preventive service activities
Use AID IQ to reduce the inspections that are no longer necessary and shorten runtimes in the plant



Predicting many typical failures leads to a high level of availability
Detect more than 75% of common reasons for downtime



Shortening average repair times
Repair times are greatly minimized thanks to the software quickly identifying the underlying cause and the necessary measures early on