SIEMENS

MEASUREMENT INTELLIGENCE

SITRANS AID IQ

Analyzer Intelligence Director

Optimize the availability of your Siemens analyzers with predictive maintenance
siemens.com/processanalytics

The challenge

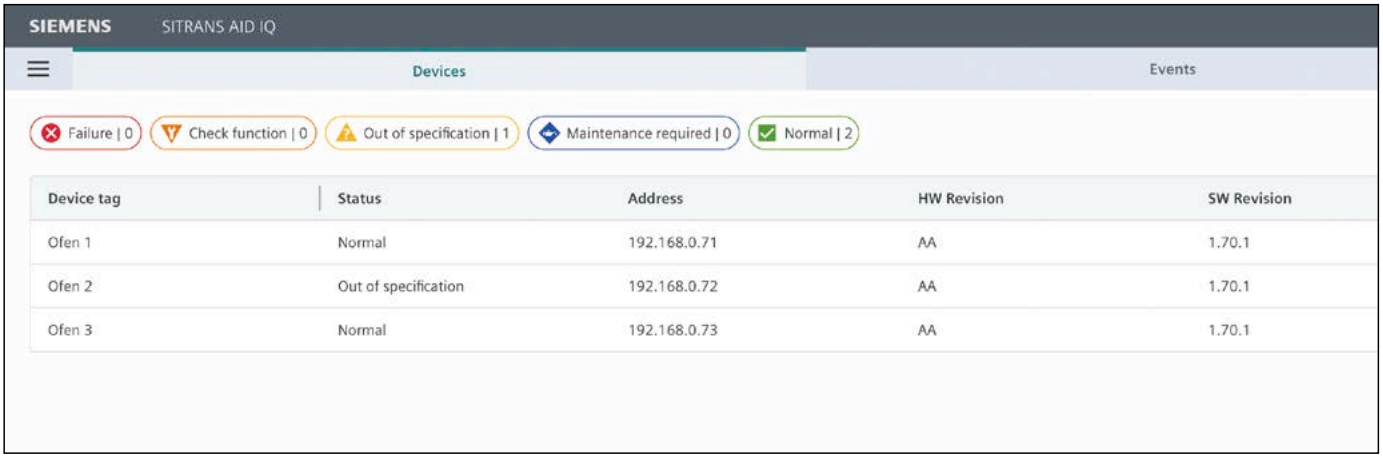
Whether they're measuring quality and safety or monitoring emissions, process analyzers play a vital role in processes. And for your devices to perform their measuring tasks, it is crucial that they are available and functioning smoothly.
Unexpected downtimes are extremely challenging for users, potentially resulting in a shutdown of the entire process or the risk of violating legally defined availabilities. High service costs due to frequent preventive maintenance activities and device inspections are similarly damaging. Siemens is offering a software solution to manage this situation and boost the availability of Siemens analyzers: SITRANS AID IQ.

Core functions of SITRANS AID IQ:

SITRANS AID IQ is software used for monitoring and assessing the health status data of Siemens analyzers – data that's acquired via various communication protocols such as Modbus TCP.
AID IQ collects the following internal device diagnostic data:

- Device status
- Measured values
- Diagnostic parameters

(including the defined parameters of the NAMUR Open Architecture), visualizes this data for users, and monitors the parameters with the aid of predefined, statistical functions. Thanks to our expertise as manufacturer, the software is able to predict the typical causes of device failure based on valid data. When necessary, SITRANS AID IQ informs users of vulnerabilities via a modern interface – a browser or HMI – diagnoses the fault, and provides detailed recommendations for action in order to correct the problem – for example, "Procure replacement part."



The status of all devices at a glance

SITRANS AID IQ simplifies your daily business and makes your life easier.

Benefits of using SITRANS AID IQ

SITRANS AID IQ supports the maintenance of Siemens analyzers and makes it possible to optimize service:

1. Optimal availability of Siemens analyzers

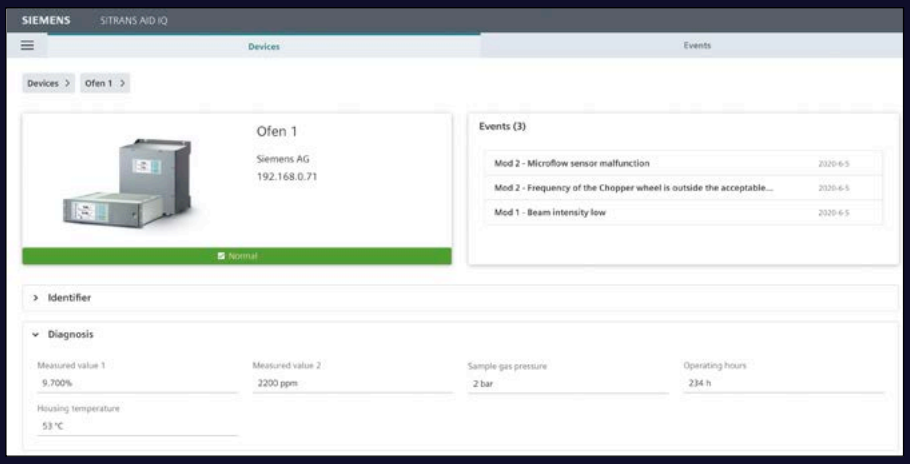
Thanks to centralized monitoring and the early prediction of potential device malfunctions, service staff has plenty of time to initiate subsequent steps, order the replacement part, schedule maintenance, or contact Siemens service personnel. As a result, unscheduled downtimes are greatly reduced and repairs can be performed within a convenient maintenance window. Average repair times are also much shorter, thanks to fast fault identification and the provision of recommended actions with the aid of AID IQ. Altogether, analyzer availability is significantly boosted.

2. From unexpected to scheduled maintenance

When predictive maintenance replaces preventive maintenance at fixed intervals, service can be scheduled on the basis of a device's health status. Automatic monitoring of the most important device components reduces the number of preventive inspections required, which in turn reduces expenditures and allows service personnel to make even better use of their time by focusing on other important issues.

3. Digitalization has never been easier

SITRANS AID IQ is a **perfect introduction to digitalization** for process analytics. AID IQ uses a **stable, low-maintenance Siemens controller** that acquires data via existing communication interfaces. AID IQ's user interface can be accessed on the user's own PC by means of a standard browser. **No additional software is required.** As an option, a state-of-the-art Siemens HMI can also be ordered for reading out the data. Thanks to straightforward menus and with just a few clicks, SITRANS AID IQ provides all the information necessary for performing maintenance (device identifiers, setup configuration, diagnostic data). Based on the **plug & play principle**, AID IQ can be deployed as soon as the controller is connected to the devices. No on-site expert is needed to commission SITRANS AID IQ. This means that AID IQ is not only extremely helpful during operation but also offers an attractive price/performance ratio.



AID IQ makes all important health data of devices like the GA 700 easily accessible

Core functions of SITRANS AID IQ:

- Monitors the health status of Siemens analyzers
- Provides identifier and setup data
- Displays diagnostic parameters
- Monitors parameters using predefined functions
- Rapidly identifies problems
- Recommends actions for correcting faults

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