

QUAT<sup>2</sup>RO<sup>®</sup> Connect

Your leading  
data analysis  
center

Transparency in focus: For your clear view of progress and efficiency

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## What do you know about your production process?

Imagine entering your production hall early in the morning and inspecting your plants. You might notice that the machine stopped frequently the night before and wonder why. Or you are annoyed about bottlenecks during the last shift.

These situations and many other questions can often arise concerning your equipment, and you know that an effective solution is needed to achieve your production goals more efficiently.

In response to these challenges, we offer you a tool that is secure, flexible, scalable, cloud-based, locally driven, connective, informative and insightful. Our new one-in-all analysis tool QUAT²RO® Connect unites all of these features. It provides you with an unparalleled overview of the performance of your entire production line. You can increase the productivity of your machines, identify the causes of production bottlenecks, derive potential improvements to increase machine productivity and a whole lot more.



SECURE



SCALABLE



LOCALLY  
DRIVEN



INFORMATIVE



FLEXIBLE



CLOUD-  
BASED



CONNECTIVE



INSIGHTFUL

## Always in sight!

To ensure smooth and efficient functioning of your plant, a thorough analysis and in-depth understanding of your plant's operations is essential. By fully capturing all data, you can optimize processes and maximize performance while minimizing downtime.



# Maximum transparency for your production data



## QUAT²RO® Connect: The revolution for your packaging operations.



### INFORMATIVE

Our intelligent system QUAT²RO® Connect is more than just your next digital tool – it adapts to your constantly growing requirements. For easy access from anywhere in the world, collect machine data from all your production sites centrally and establish the basis for other customizable applications. These include “Q-Dashboard” for adaptable real-time insights into machine events and “Q-Insights” for investigating downtimes and advanced display functions for production metrics. You can seamlessly synchronize all production data centrally to ensure maximum traceability across shifts, weeks, months and years. In addition, the platform is designed to be compatible with web-based devices.



### LOCALLY DRIVEN

In QUAT²RO® Connect, your data remains on site and the control of data flow in your hands. This ensures maximum security and efficiency when processing your sensitive information.



### FLEXIBLE

For maximum flexibility, you can easily customize the widgets in our app to suit your needs. But that's not all: our machine connectivity enables seamless integration of all machines and systems into the tool to ensure efficient and networked production. Our intelligent system is designed for every machine that we, our parent company HAVER & BOECKER or its subsidiaries deliver.

In addition, our one-in-all analysis tool offers the option of saving your data raw and unprocessed so that you can process it exactly as you require. Because we know that every event can be of significance to you – whether it is a FFS bag, a pallet, a user input or an alarm.

„The one-in-all analysis tool QUAT²RO® Connect was developed in close collaboration with our sister company QUAT²RO GmbH & Co. KG – our specialists for digitalization. This means you can rely on a family of specialists with extensive expertise and experience.“

Kai Lammers | Managing Director



## Why you can rely on QUAT<sup>2</sup>RO<sup>®</sup> Connect

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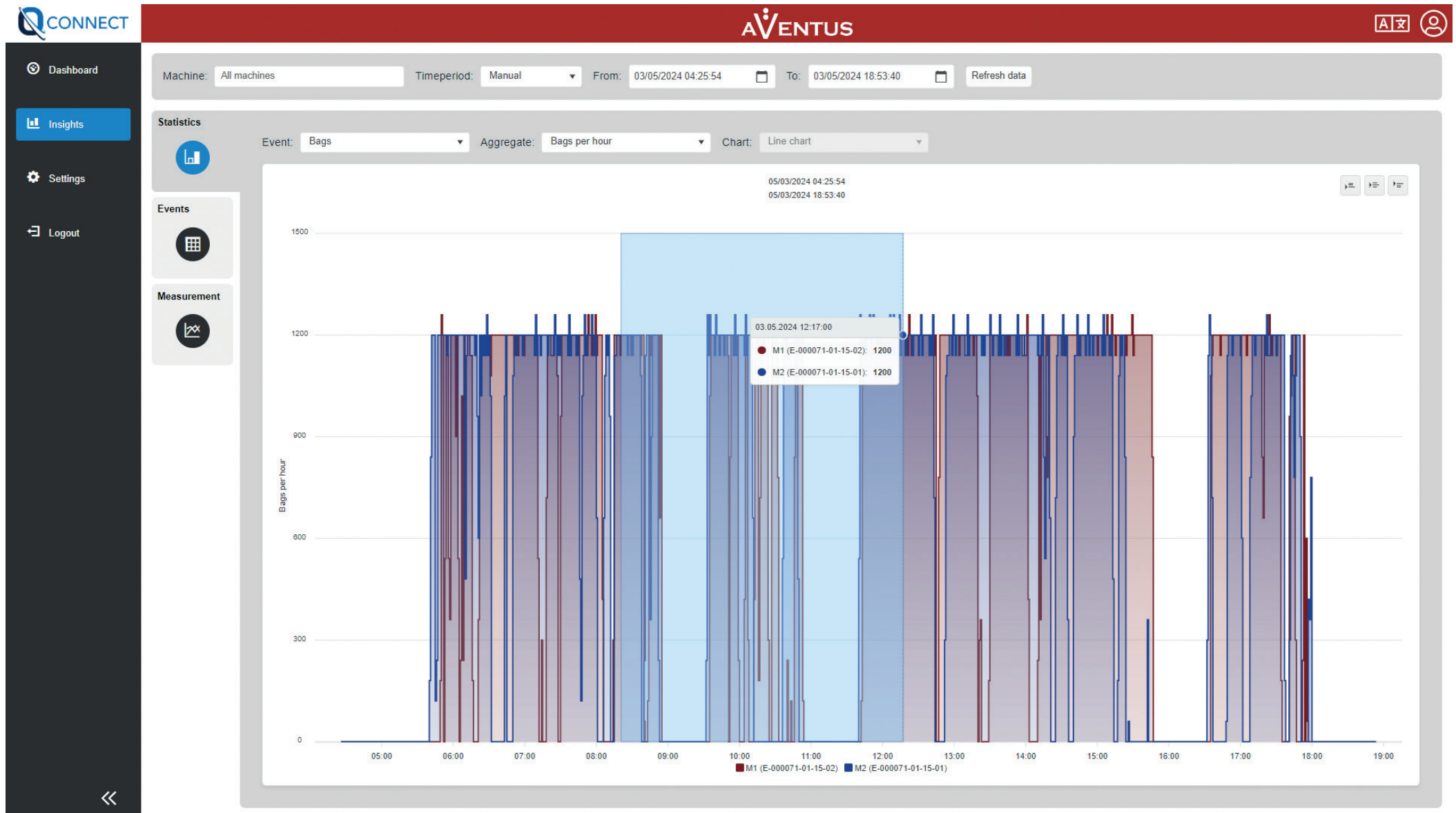
## Take your data journey to a new trend-setting level!

A new era of efficiency and control: Discover the benefits of our new one-in-all analysis tool:

- **Optimized efficiency**  
Determine and maximize your machine capacity utilization to increase your productivity.
- **Minimized downtime**  
Identify and resolve issues quickly to reduce downtime and ensure continuous operation.
- **Improved reliability**  
Prevent faults, increase operational reliability and keep the production process running smoothly.
- **Comprehensive production insights**  
Evaluate data along the entire production line for informed decisions and strategic planning.
- **Improved performance**  
Identify and resolve performance issues quickly to ensure optimum production levels.



# The advanced features of QUAT<sup>2</sup>RO<sup>®</sup> Connect



## For more transparency in your production processes.

QUAT²RO® Connect opens up a whole new world of possibilities, solutions and insights for your production. It is the one platform that unites your apps for analyzing data from your systems across all locations. Currently, your QUAT²RO® Connect package includes both apps "Q-Dashboard" and "Q-Insights".

"Q-Dashboard" allows you to present saved data on dashboards custom-designed to your needs. For example, use customized time frames to compare data, whether across shifts or other specific intervals. The platform also provides a comprehensive insight into real-time machine events.

"Q-Insights" allows you to analyze potential causes of downtime. Customizable filter options help you effectively compare data across multiple machines. The application also offers a wide range of advanced features to display performance and production parameters.

We have more apps in the pipeline that will help you master future challenges, for example, relating to data collection and analysis.

## With QUAT²RO® Connect, you benefit from a wide range of functionalities:

- Display saved data on customized dashboards.
- Get an overview of current events on a machine.
- Create and share dashboards with other users.
- Use customized time ranges to compare data.
- Investigate possible reasons for downtimes using the "Q-Insights" app.
- Get the option of integrating machines retrospectively.
- Use flexible filter options in the "Q-Insights" app to compare data from multiple machines.
- Integrate links from dashboard widgets for visualization in "Q-Insights" to minimize navigation effort.
- Save any amount of measurement data from each machine for later analysis.
- Discover all existing and future QUAT²RO® Connect apps suitable for all web-based devices or displays.

## Always up to date!

In addition to both of the existing apps "Q-Insights" and "Q-Dashboard", there are other apps in the pipeline. Stay in touch with us to be the first to know!



# What else matters



### Industries:

- Applicable for all industries

### System requirements:

- Connection of the machines via data transmission using common protocols (e.g. MQTT, OPC UA, Profinet, EtherNet/IP, etc.)

### Internet access:

- Outgoing internet access is required for commissioning and replacing an IED
- App and licence updates require occasional internet access

### Technical features:

- Retrofitting possible to a limited extent
- IPC operating temperature: 0 °C to +50 °C
- Mains voltage: 230 volt
- Fanless design

### Scope of delivery:

- Industrial Edge Device in the control cabinet
- Optional as virtual machine in OVA format
- Software platform QUAT<sup>2</sup>RO® Connect





## AVENTUS GmbH & Co. KG

Katzheide 33  
48231 Warendorf | Germany  
Phone: +49 2581 4591 1000  
E-mail: [info@aventus.global](mailto:info@aventus.global)  
[www.aventus.global](http://www.aventus.global)

## AVENTUS North America Corp.

1322 Space Park Drive (Suite C201-A)  
Houston, TX 77058 | USA  
Phone: +1 (480) 712 3004  
E-mail: [ana@aventus.global](mailto:ana@aventus.global)  
[www.aventus.global](http://www.aventus.global)

## NEWTEC BAG PALLETIZING

32-34 avenue de Suisse  
ZI Ile Napoléon, BP 256  
68315 Illzach cedex | Frankreich  
Phone: +33 3 8963 3750  
E-mail: [info@newtecbag.com](mailto:info@newtecbag.com)  
[www.newtecbag.com](http://www.newtecbag.com)