



# EXTENSIONS OF AERTRONIC

Information transparency 4.0 for sustainable process reliability.



**AERZEN**

# AERZEN WEBVIEW AND AERZEN PROFINET MODULES. THE FUTURE FOR YOUR SYSTEM OPTIMISATION.

By means of its communication-capable control, the AERtronic, now AERZEN has offered the possibility to integrate compressed-air assemblies into an existing customer process control system for a long time. Moreover, the control can be easily extended by the WebView module so that, for example, operation or service data can be retrieved at any time and from anywhere. With Profinet, a new Ethernet-standard for the automation was created. This is also available as interface for AERZEN AERtronic so that a safe and quick bidirectional data exchange is possible.

Function method of AERZEN WebView and Profinet using the example of a wastewater treatment plant.



## WebView.

Whether diagnosis by remote access via an internetcapable, mobile terminal device or maintenance by a central process control room: By means of AERZEN WebView, operation data and service information of their AERZEN assemblies can be retrieved without further software or Apps.

An intuitive operation concept and a well-structured overview quickly shows the most important measuring values of the assemblies, such as, for example, pressure, temperature, vibrations or oil level. Optionally, measuring values of the last months can be analysed also in graphical form and stored on an SD card. These data can also be read out and evaluated via intranet or internet.

## Save high costs by appropriate maintenance aid of AERZEN machine monitoring.

Early planned service- and maintenance employments reduce operation interruptions significantly. Pending warning, fault and maintenance messages of the blowers or compressors can be sent via WebView to the requested recipient by mail. Moreover, you will receive a remote-access to all service-data, which are available in AERtronic. These include data such as fault messages, maintenance intervals and hours of operation.

### Profinet.

With the AERZEN Profinet interface you create a simple bi-directional connection to the control room. With Profinet the user has higher flexibility concerning the realisation of his concepts regarding safety, flexible topologies, open standards, web tools and extensibility.

Furthermore, it offers more efficiency: faster device diagnostics and network diagnostics, more simple cabling, faster device exchange, more robustness and stability. Its increased performance arranges for higher productivity thanks to considerably higher speed, precision and data rate.

### Easily retrofittable.

AERZEN WebView and Profinet are designed in a way that retrofitting of existing systems with AERtronic is realisable cost-effectively at any time. The assembly is very easy and can be realised quickly by specialised AERZEN staff or your skilled electrician himself.

### AERZEN WebView module with integrated SD-card



### Structured user interface of AERZEN WebView Application



### Advantages WebView.

- Continuous visualisation of all data of the AERtronic
- Worldwide access to the process and machine data
- Information about fault signals by means of access to the signal history
- Easy and clear maintenance planning
- Information concerning pending service employments
- Unidirectional access via customary stationary or mobile terminal devices
- Access via conventional internet browsers without additional software or apps

### Advantages Profinet.

- Profinet is the Ethernet based communication standard for the automation technology
- Easy integration into company-wide IT
- Higher performance and extended functionality compared with conventional fieldbus systems
- Open for integration of existing fieldbus systems
- Bidirectional communication interface



**AERZEN. Compression as success principle.**

AERZEN was founded in 1864 as Aerzener Maschinenfabrik. In 1868 we built Europe's first rotary lobe blower. The first Turbo compressors followed in 1911, the first screw compressor in 1943, and in 2010 the world's first rotary lobe compressor unit. Innovations "made by AERZEN" keep driving the development of compressor technology. Today, AERZEN is among the world's oldest and most significant manufacturers of rotary lobe blowers, rotary lobe compressors, rotary lobe meters, screw compressors, and Turbo blowers. And among the undisputed market leaders in many areas of applications.

More than 2,000 experienced employees in over 45 subsidiaries the world over are fully engaged in the advancement of the compressor technology. Their technological expertise, our international network of experts, and constant feedback from our clients form the basis for our success. Products and services from AERZEN are setting standards when it comes to reliability, lasting value, and efficiency. Go ahead: challenge us!

Aerzener Maschinenfabrik GmbH  
Reherweg 28 – 31855 Aerzen / Germany  
Phone: +49 5154 81-0 – Fax: +49 5154 81-9191  
info@aerzener.de – www.aerzen.com



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