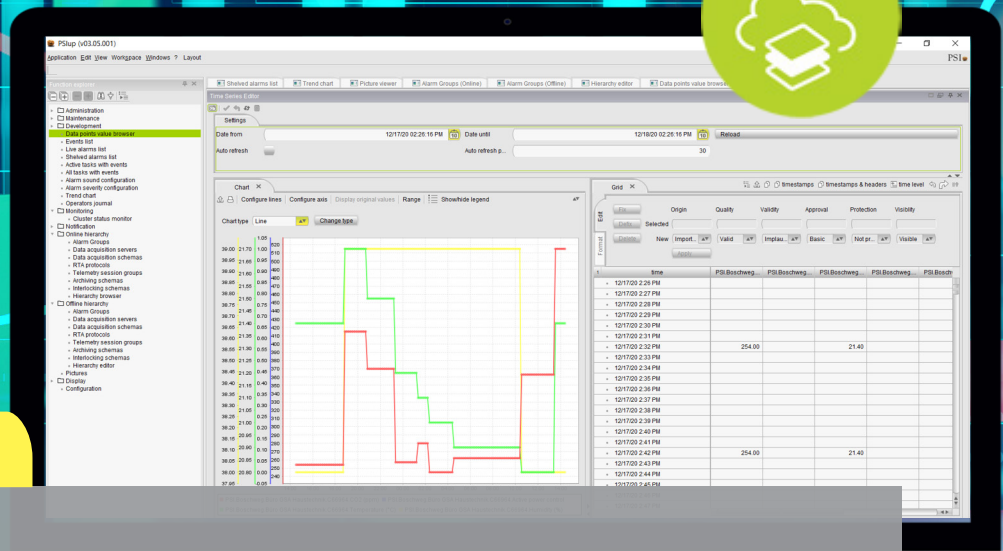


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+ PSIup/Qualicision



# SaaS for intelligent, cloud-based Monitoring and Optimization

Source: iStockphoto.com

PSIup/Qualicision with traceable intelligence for more transparency, safety and efficiency in your production

- Securing a permanently available value chain
- More transparency in the operating process
- Increase resource efficiency
- Reduce unplanned downtime
- Shorten response times to handle events and alarms
- Increase availability of your machinery and equipment (OEE)

PSI 

### Cloud-based monitoring: Smart Maintenance ready

Do you want to automate your production, but not invest in hardware and software? Do you operate a distributed infrastructure and would like more insight into the condition of your machines? Have you recognized that besides people also machines, raw materials and real-time information are necessary to ensure a permanent optimization of your production process? Then you are making the right choice with PSUp/Qualicision. PSUp/Qualicision is your software-as-a-service application for online monitoring and optimization and stands for immediate and direct access via the Internet. With the download of the client you have full access to the full range of functions in just a few minutes. At the same time, thanks to the Qualicision Integration you have the basis for planning, implementing and monitoring for the maintenance and repair of your production facilities to ensure a permanently available value chain.

### Simple and complete

Your machine data is recorded via standard process interfaces (OPC UA, IEC 60870-5-104 or lean IoT protocols, such as MQTT or LPWAN interfaces, e.g. Sigfox). By installing our PSI Realtime adapter, close to the to be monitored plant or machine, you benefit from a secure, VPN-protected communication. Through the use of LPWAN interfaces you do not need to open your process network, do no wiring so there is no installation effort. We support web services (REST) for resource monitoring and to provide data for third-party applications or for reuse in your company context as well as IT connectivity (email, SMS) for notifications and alarming.

### Standardized variety

With the highly flexible PSI GUI, you can customize the graphical user interface to your business requirements. PSI Click-Design enables you, to display and group your processes, systems and machines in your self-created views in order to focus on aspects, subsystems or alarms

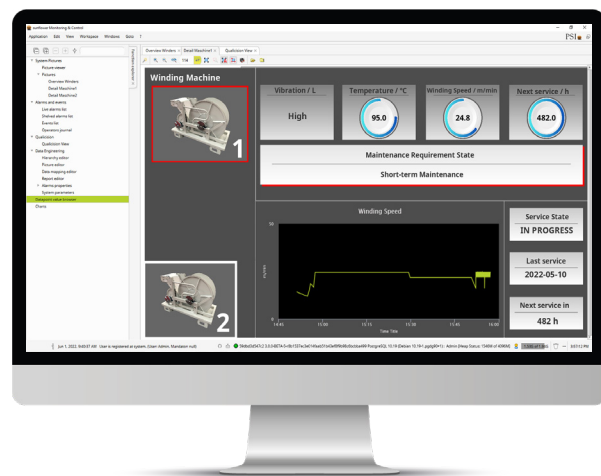
that are relevant to you. With the included image editor you can create animated visualizations of your production or infrastructures by the use of preconfigured widgets to generate wished live KPIs.

### Qualitatively evaluate and decide on situations

Through the integration of our classification and decision support tool Qualicision AI, even complex operating situations and plant conditions can be evaluated. For this purpose, any sensor data can be flexibly linked with each other, for example to situations or to classify the maintenance requirements of a machine (Predictive Maintenance). Our intelligent, multi-criteria approach provides you with traceable results at all times and provides you with the essential information, even in complex operating scenarios.

### Availability-oriented scalability and expandability

PSUp/Qualicision is scalable and expandable with numerous products of PSI, e.g. with our Service Management module for structured reaction to disturbances and failures in your production environment or infrastructure and the coordination of mobile service teams for repairs and scheduled planned maintenance.



Monitoring cockpit for Predictive Maintenance of a winding machine