

**More efficiency for the
fault and figure
management of your
assembly line**



zenon®



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An automobile manufacturer's goal for his production are short cycle times. This target is pursued in order to assert a position with regards to the competition and achieve a leading edge. So that this can be accomplished a reactionary fault management and the currentness of KPIs must always be in place.

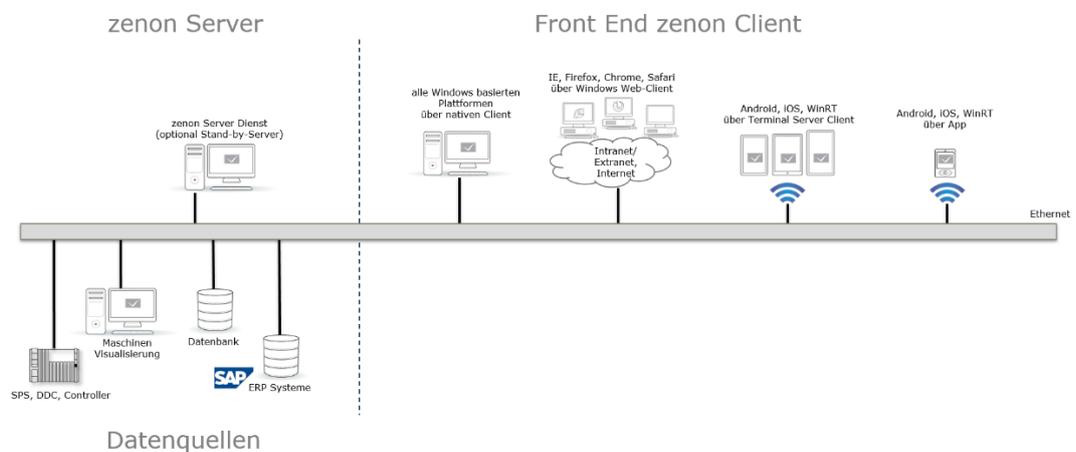
Detect faults before they even reach your equipment

zenon has now developed a concept, whereby errors in neighboring operating areas or equipment areas in the linked production can be communicated with more quickly. Even better, manufacturing employees are informed, in advance of errors affecting their area, of the start of a production stop and even details to the fault duration. With this innovation zenon will help production managers be able to take measures to initiate an efficient fault management in due time. This example should help illustrate this:

In the case of an equipment stop zenon displays a 30 minute fault on the zenon Client of the affected equipment for example. Depending on the current buffer filling level this fault can further effect preceding and succeeding linked equipment areas. zenon then uses this data to generate the fault duration that will occur in the neighboring equipment areas. In a split second the affected neighboring manufacturing manager will be informed of the zenon generated fault duration average of the equipment, displayed on the zenon Client. With this information the concerned management is then given enough time to think about suitable measures when a fault begins. This could for example be measures such as group discussions, break regulations, equipment cleaning, TPM, autonomous maintenance, feed-out of spare parts etc. The expected standstills can then still be used effectively. zenon also supports with a continuous flow here from mobile devices with Smartphone Apps for a continuous information flow, independent of installed PC stations.

The Everywhere App by zenon now on smart glasses

A decisive success factor here is the Everywhere App by zenon on mobile devices, such as Smartphone, Tablet PC or recently smart glasses. Valuable information can thereby be effectively distributed to the native zenon Clients or Web Clients. When this mobile solution is integrated into an existing infrastructure, common safety functions are supported.

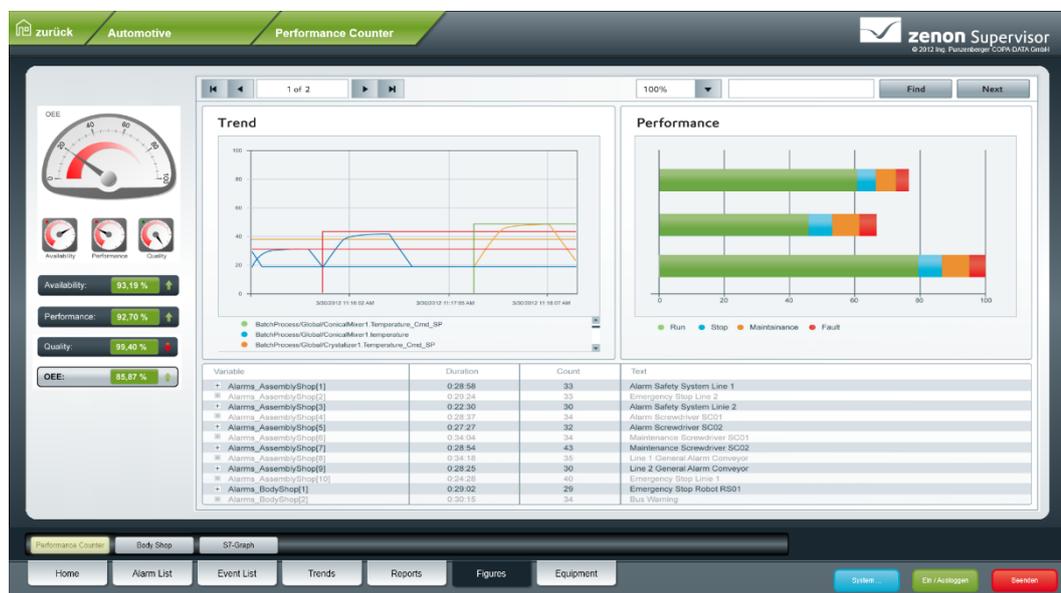


The Everywhere App by zenon allows the production manager to gain an overview at anytime over the current and relevant equipment status and performance indicators. A registration with user name and password on the Everywhere Server by zenon are sufficient in order to receive user specific data.

Still, it is not only a reactionary fault management that is necessary for short processing times, but also the constant monitoring of deciding KPIs such as consumption levels, OEE, rejection rates and employee productivity. These figures offer manufacturing management the best possible information at any time regarding the efficiency of their own production. Through the preparation and distribution of this information through zenon the system establishes a "single point of information" which greatly contributes to effectiveness.

Individually generated figures for the right target group

There is a great deal of diverse information that comes from the production. Each bit of it is differently relevant for each particular target group. For example, the plant manager is not really interested in the economic data. He wants information regarding the produced quantities or the waste incurred, because he can directly influence this. Whereas the management has its eye on overall figures, which represent the current productivity and competitiveness.



Mere figures alone cannot help production managers to make sustainable decisions. The framework should be understood at the same time. For example the OEE is made up of three figures, the availability, the quality standard and the performance. This means that there are three adjusting screws which can be turned, which can significantly change the OEE. zenon thereby presents complex connections, in real-time chronological management cockpits, at any time and at any place, for the correct target group.

zenon – experience ergonomics