

Real-time machine KPI dashboards for both the service team and customers

SANOVO uses IXON Cloud for external monitoring of a wide range of egg processing machines for service and optimisation



SANOVO TECHNOLOGY GROUP is a leading machine builder. They manufacture a wide range of egg handling and processing machines: from egg grading, breaking and processing machines to vaccination machines, production machines for making vaccines and powder dryers.

SANOVO serves several markets with its machines, such as poultry farmers, large packing stations and liquid egg producers. The development, production, sales and service of the machines takes place under their own management. For larger machines it is important to collect data to create insights for machine innovations and the customer.

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The need to gain insight into the machines is met, and these insights are used successfully internally and by customers. "Live dashboards have been set up for different roles such as service engineers and managers," says Gerben Heinen, Teamleader Software at SANOVO Technology Netherlands.

"The customers have access to their own machine production dashboard. For service purposes we have a dashboard with fault reports", Gerben explains. The machine KPIs that are monitored give a quick insight into the machine status. If desired, it is then possible to zoom in on specific, detailed information. This data is read directly from the PLC and presented in an IXON Cloud dashboard via OPC-UA.

In addition to the dashboards, 'big data' is actively collected to gain insight into machines that are out in the field. The goal is to now collect machine data for optimisations and new machines.

In the future the data can be used for predictive maintenance.

"It is still difficult to determine when a sensor breaks down, which is why we are collecting the data now in order to be able to discover trends later," Gerben points out. A number of pilots have also been started to link the machine data to PowerBI via the IXON API.

SANOVO is an innovative company that wants to fully exploit the potential of big data. In preparation for this, all new machines will be standardly equipped with an IXrouter.

Benefits of IXON Cloud Data Logging for SANOVO:

- ✓ Easy to configure and apply to new machines
- ✓ Compose and share your own dashboard per role
- ✓ Live KPI display of PLC data in web-based dashboard
- ✓ API for integration with business intelligence tools
- ✓ Prepared for predictive maintenance

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