

The future of maintenance management: made easy with Smartenance

Always available, up to date and ready for use, Smartenance brings maintenance management into the digital age. In the Rohrbach plant in Germany, the mobile digital maintenance manager is used to maintain a system with 17 robots. The “digital logbook” transforms Smartenance into a knowledge and communication platform for your maintenance team.

Unlike paper maintenance schedules, the Smartenance maintenance manager from Festo doesn't “forget” upcoming deadlines. The mobile app for smartphone or tablet sends automatic reminders to production managers and system operators, provides information about the duration and explains step by step what needs to be done. Since it is a cloud-based system, any missing information can be easily added later by the human maintenance manager on a PC and is then permanently available.

Safety in maintenance is now finally a matter of course

Smartenance doesn't need to be installed and can be used directly in a browser and as a mobile app. It also provides photos and step-by-step instructions to make maintenance tasks easier and safer to perform. On-site users can see exactly what needs to be done and where, even without a paper maintenance schedule. Smartenance is manufacturer-neutral: regardless of the system and manufacturer, the app will manage the servicing and maintenance.

New system for manufacturing different variants

One of the biggest and most complex systems that is maintained using Smartenance in the Rohrbach plant is for manufacturing different variants. Since November 2019, it has manufactured several thousand different cylinder variants in many sizes and with different strokes, from the round cylinder DSNU and the compact cylinder ADN to the standards-based cylinders DSBC, DSBF and DNC. The average

manufacturing time per cylinder is 25 seconds.

Reliable and efficient thanks to digitised maintenance

The 17 robots used in the system are regularly serviced by six employees who are responsible for a total of 120 maintenance tasks. The effort involved in documenting this mammoth undertaking is huge. The team relies on Smartenance for maximum reliability and efficiency in its maintenance tasks. Volker Neumüller, an employee in the Maintenance Processes division, recognised the benefits of digitised maintenance and was the driving force behind its use in the plant. Production managers can now define the tasks more easily and quickly, and use illustrations, videos or specific data sheets to prepare them so they are easier for employees to understand.

Positive feedback and further use

Volker Neumüller reports: “To ensure that Smartenance was tested on a broad basis, we defined a range of pilot systems, from a simple assembly workstation to complex production systems and assembly lines. The signs were good right from the beginning. Now, 106 users maintain and service 160 systems in Rohrbach and Wiebelskirchen. We continuously provide feedback so that the digital tool can be further improved.” Employees are regularly trained in order to enable them to maintain additional systems as quickly as possible using Smartenance.





All maintenance tasks can be conveniently viewed on the tablet using the Smart-ence app.



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