

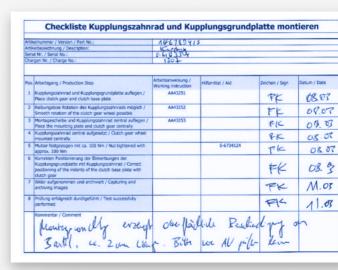
Checklist 4.0

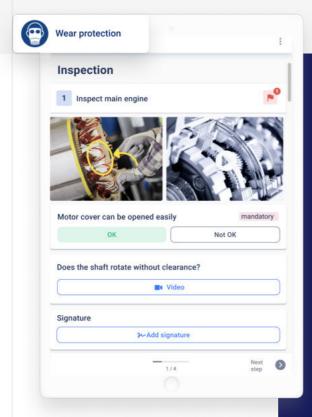
Digital, dynamic, data-driven

Why is the checklist 4.0 essential?

Whether in maintenance, quality, incoming goods, audits, or worker self-inspections in assembly: Checklists are used in a wide variety of use cases that pursue the goal of checking standards such as product quality, process conformity, or machine conditions. In the paper-based version, however, these documents represent an information silo, decoupled from analysis tools and with little traceability. In addition, other reference documents such as instructions are often needed to illustrate inspection processes.

In order to be able to evaluate the on-site insights on the basis of checkpoints, an immense manual transfer effort into software tools is necessary. In this way, the "checklist" document, which is actually intended as a guideline, becomes a real effort driver or, by bypassing the effort, creates blind spots in production that prevent one thing above all: continuous improvement.





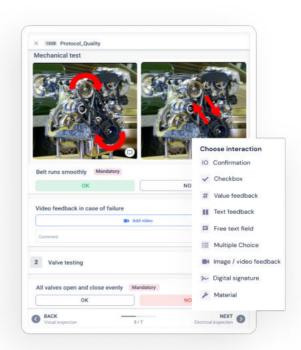
The visual and interactive Checklist 4.0 revolutionizes the way of working on the shop floor. The document chaos of checklists and reference documents is a thing of the past.

With the image- and video-supported checklists, employees easily navigate through the inspection processes, record findings via interactive input, sensor integration or through integrated image feedback. The task management module and live monitoring functionality make Checklist 4.0 a digital collaboration tool for manufacturing companies.

operations 1 01

Eliminate paper on the shop floor

With Checklist 4.0, employees no longer have to jump between different static documents: The Operations1 software for Adaptive Process Execution seamlessly combines checklists and work instructions in the digital world. Added to this are sophisticated functionalities. A range of interactions can be used in the inspection to collect on-site data and make it evaluable in real time: from multiple choice to simple checkpoints and target/actual value comparisons to images and videos. The automatic transfer of sensor data into the checklist also completes the multi-faceted feedback options directly from the process.



- ✓ Image and video based digital checklists
- Simultaneous collaboration in one document
- Separate task management for incidents

On the shop floor, workers can access the multilingual checklists by using their tablet to scan a QR code located directly at the machine, by using the search function in the software or by receiving it directly via order. The current version of the checklist is available in the cloud at any time. During the execution of work steps, separate tasks can be created, assigned and tracked in case of unforeseen incidents. After completion of the activity, the report is created with one click only.

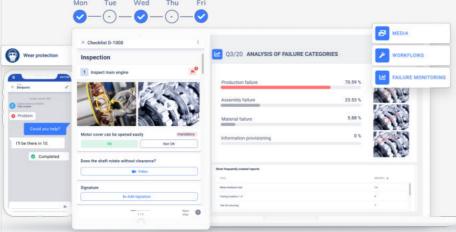
-100%

EFFORT FOR ARCHIVING, REPORTING AND DATA TRANSFER

- Multilingual checklists and software
- Centrally stored modules and media
- Transfer of data from and to various systems

operations¹ 02

The checklist 4.0 as a central building block of the Smart Factory



234 Completed Completed reports Completed tasks

67 Completed reports

67 Completed reports

76% OK

67 Completed tasks

76% OK

68 Completed tasks

76% OK

69 State started

60 State started

-55%

REWORK, SCRAP AND CUSTOMER COMPLAINTS

The checklist 4.0 is an essential building block for connected work on the shop floor. Instructions and checklists can be linked directly to orders from different systems.

In the next step, the diverse interactions such as value inputs can be evaluated directly in the software or in third-party systems such as Power BI, and blind spots such as failure rates or even process times thus become visible. The gained insights pave the way for company-wide benchmarking across locations, machines, products and any individual structure.



Paper-based checklists are no longer up to date. They simply do not fit into the 21st century.

Dr. Alfons Hätscher
Chief Financial Officer, Hirschvogel Holding GmbH

operations 1 0 3

Easy start, maximum scalability

The Operations1 software for digital work instructions and checklists can be implemented within 6-8 weeks. Due to the technical basis and hosting via Microsoft Azure, digital checklists are easily integratable into your IT landscape. Data can be analyzed in Operations1 as well as forwarded from Operations1 to third-party systems.

In addition to the modular structure of instructions and limitless language selection, the Operations1 software is designed to scale limitlessly in your company and systematically handle the complexity of locations, departments, machines, and much more through further sophisticated functionalities such as the use of structural classes from your ERP as well as interaction tags and much more.



























Excerpt of our customers





The checklist 4.0 not only simplifies the provision of information on the shop floor, but also simultaneously enables the return of onsite findings, across documents and in real time. An enormous step towards fast reaction times and end-to-end transparency.

Benjamin Brockmann CEO, cioplenu GmbH

operations¹ 04



Rethinking inspections, SOPs and checks in the digital age

Empower your workforce to conduct processes in a safe, reliable and efficient manner.