

operations<sup>1</sup>



# Operational Excellence 4.0

How to increase efficiency, quality and added value by digitizing your processes

Used by leading companies



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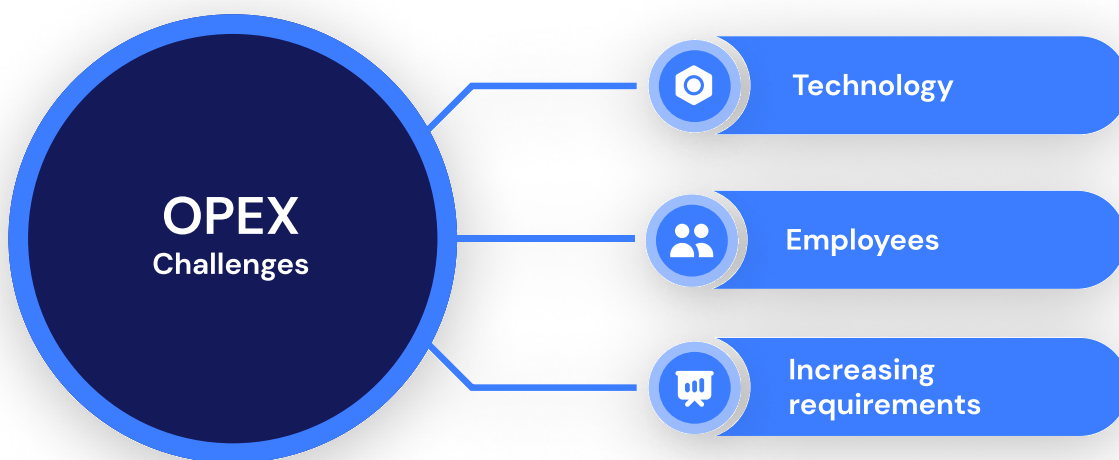
VETTER  
Raffa, Inc.



## Hurdles to operational excellence

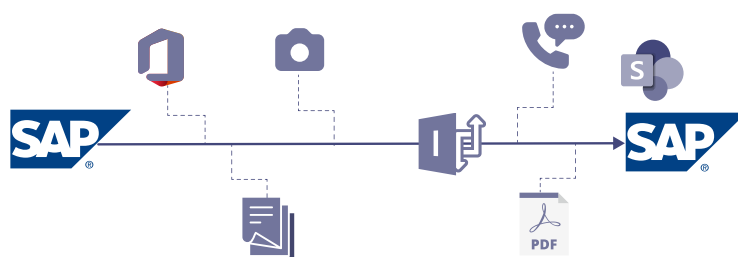
With operational excellence (OPEX), manufacturing companies pursue the goal of continuously increasing their efficiency, quality and flexibility in order to compete successfully in the global market. This requires **lean, robust and transparent processes**.

There are various challenges that manufacturing companies face. These can result from different areas:



### Technological challenges

The basis for implementing operational excellence is a deep understanding of processes through a high level of process transparency and the simplification of activities for employees through digital tools. These foundations are often not in place due to an inconsistent system landscape:



*Complex system landscape with system and media disruptions*

- ❗ Unstable and complex system consisting of ERP, MS Office products and paper
- ❗ No standard software for document management, employee training and execution of activities
- ❗ Low transparency and speed for CIP due to digitalization gaps



## Employee-related challenges

Your employees in production are a decisive factor for quality, productivity and improvement. And this is where many factors occur that can have a negative impact on OPEX:



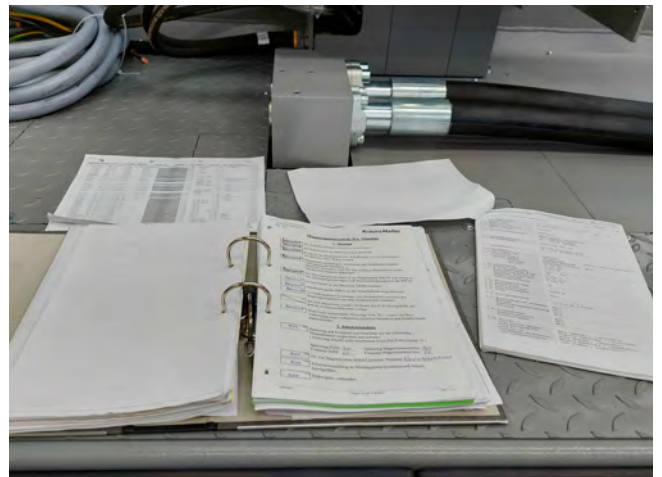
- ❗ Process knowledge is in the heads of employees and flows out when employees leave the company
- ❗ Knowledge is not standardized and cannot be accessed centrally and uniformly
- ❗ Slow training process and inefficient execution of tasks
- ❗ Employee feedback for the CIP is not recorded uniformly



## Increasing requirements and complexity

Customers, partners and auditors are placing increasing individualization demands on manufacturing companies in terms of products, process documentation and the provision of evidence. This increasing degree of individualization results in:

- ❗ More complex information in processes due to increasing number of variants
- ❗ Increased complexity for employees in variant-specific activities
- ❗ Increased documentation, archiving and research costs



*High workload for employees due to maximum lists and mountains of paper with order information, technical drawings, etc.*



„The time of our well-trained and experienced employees is precious. They should not have to use this valuable time to search through paper-based documents.“

Claudio Sutter  
Project Engineer Process Excellence  
KraussMaffei

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## OPEX challenges solved digitally and sustainably

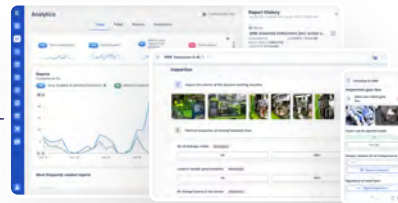


### Simplify your IT landscape

Bundling document management and the execution of employee-led activities in a single software enables the introduction of process standards, closes digitization gaps and creates comprehensive process transparency for your CIP.

- ✓ Reduced effort and centralized document management
- ✓ Process execution in one software
- ✓ Accelerated CIP process through process digitization

*All employee-managed activities  
in a central software, without system  
and media disruptions*



### Empower your employees in production

By combining your knowledge management and process execution in one software, you can realize the following potential for improvement:

- ✓ Securing and standardizing your employees' knowledge in digital work instructions
- ✓ Quick training of employees and efficient execution of activities
- ✓ Increase employee flexibility and satisfaction through step-by-step instructions that make work easier



#### Wear protection

**Engine test run**

1 Open engine cover

Motor cover can be opened easily mandatory

Does the shaft rotate without clearance?

Signature

1 / 8 Next step



"The software is simple and self-explanatory. After a short training period, the employees – even the initial sceptics – recognized the benefits themselves and are now using the solution intensively."

Michael Zahnd  
Quality Assurance  
Zünd Systemtechnik



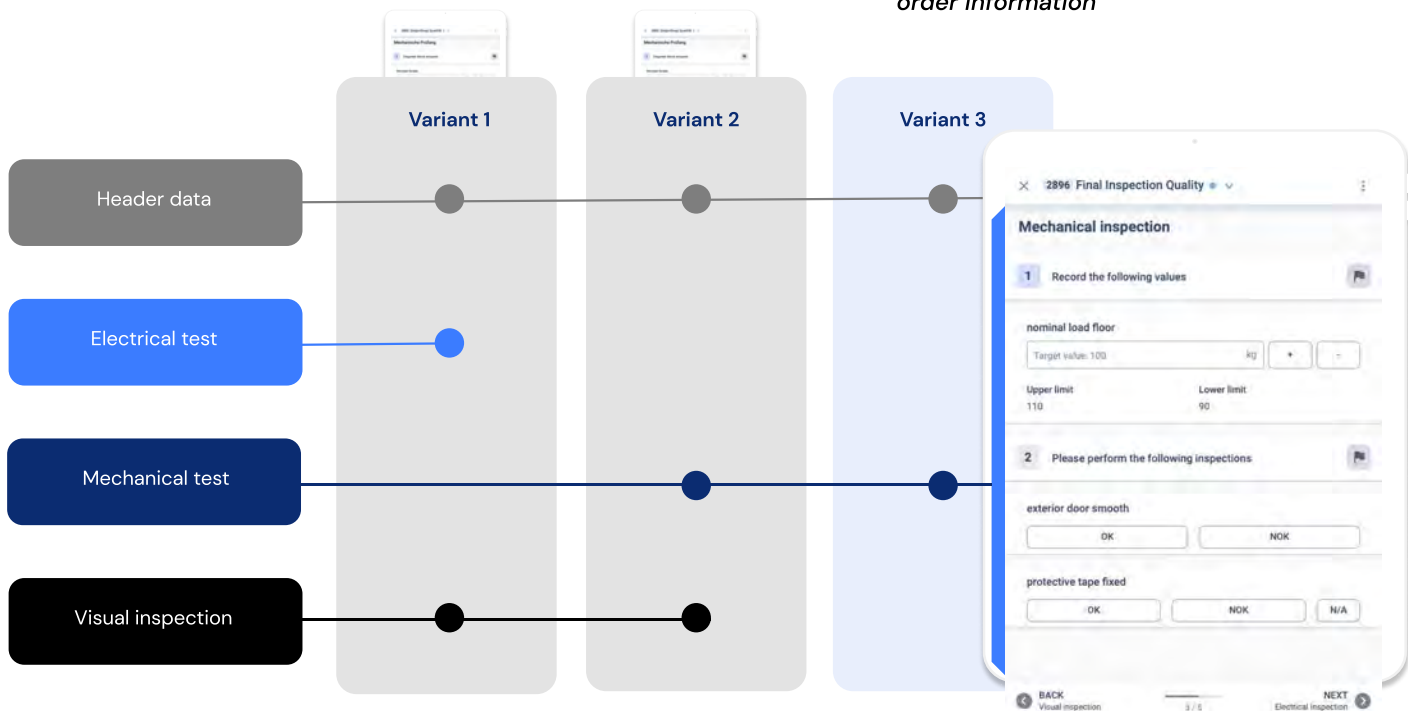


## Complexity under control **with reduced effort**

Meet the requirements of your customers and auditors even more professionally and help your employees to master the increasing number of variants efficiently by saying goodbye to maximum lists and the suchlike.

- ✓ Order-specific work information through modularity in software
- ✓ Reduced complexity for your employees thanks to variant-specific work instructions
- ✓ Effort reduction through documentation directly in the digital checklist
- ✓ Increased verifiability through digital reports

*Variant-specific documents thanks to modular structure based on order information*



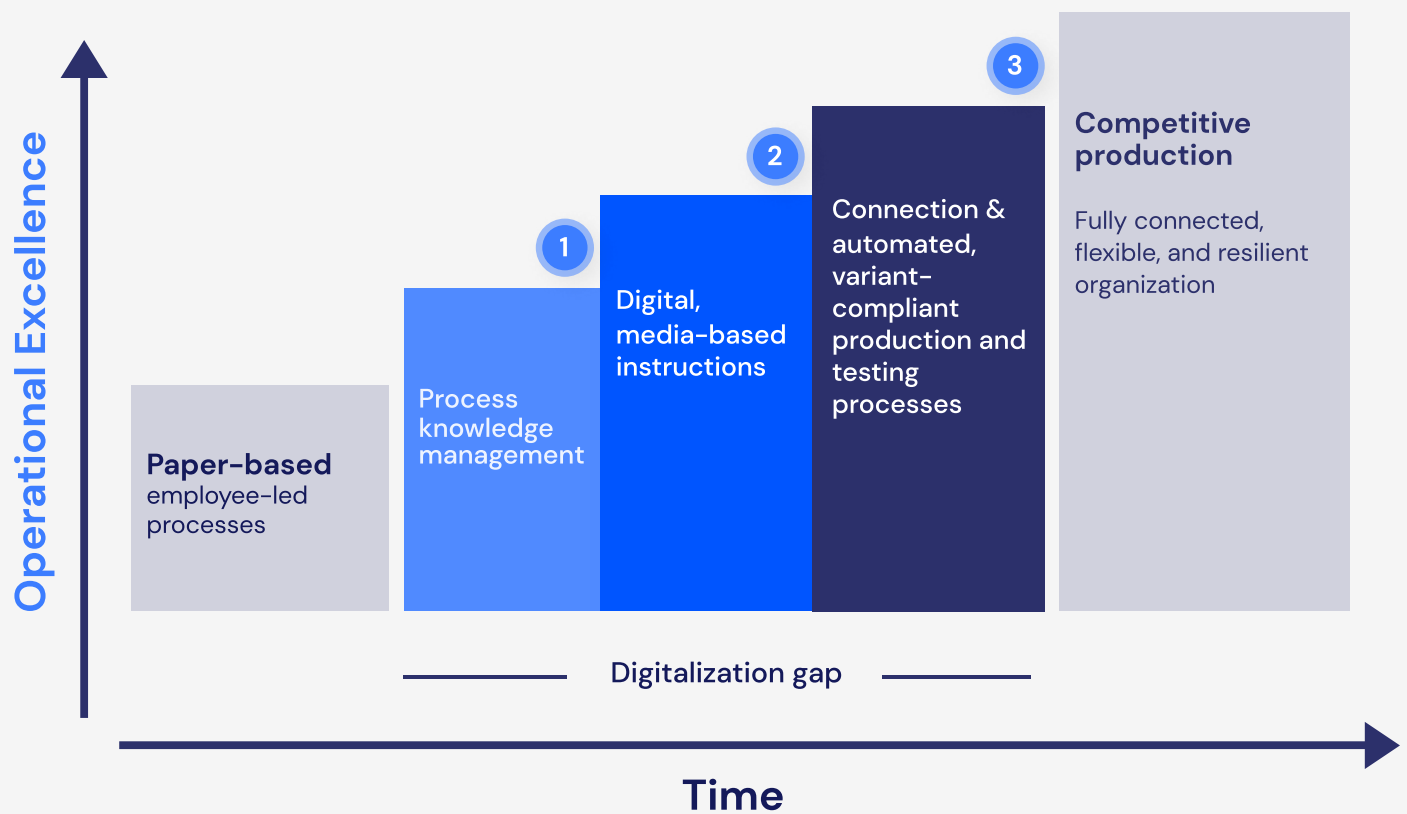
„Automatically generated, variant-specific quality inspection protocols in Operations<sup>1</sup> reduce interpretation effort for our employees and thus increase the quality of our documentation.“



Walter Wittmann  
Head of Assembly Line  
Krones AG



## 3 steps to competitive production



In three simple steps, the digitization gap can be closed and the future readiness of your company sustainably secured:

- 1**

**Step 1:**  
Standardize & organize process knowledge in systems such as Operations1 software
- 2**

**Step 2:**  
Make process knowledge available to employees in a digital, understandable and media-based way
- 3**

**Step 3:**  
Transferring process data into production and testing processes with variants and transferring the acquired data back into the system landscape



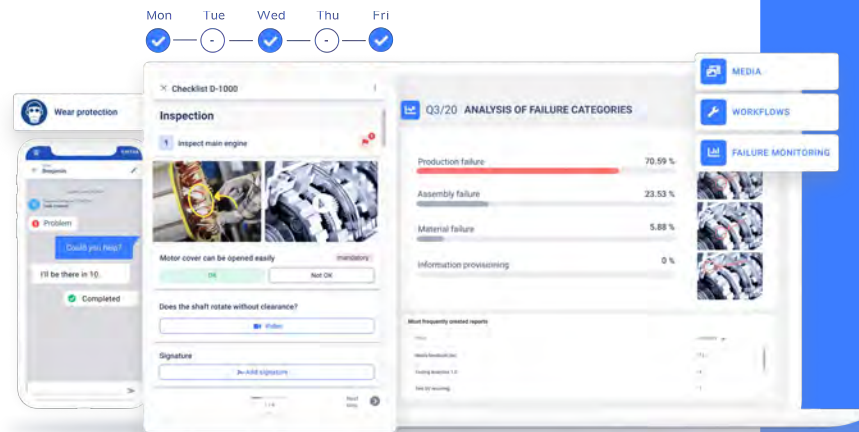
“We can adjust the checklists much faster and make them more dynamic. It used to take a long time for an improvement to go through the cycle – now it happens immediately.”

Phillip Duwe  
Quality Engineer  
KraussMaffei

**KraussMaffei**  
Pioneering Plastics

## A field-proven software

Operations1 not only helps to reduce non-value-adding activities in production, but also supports companies in **saving costs and unlocking previously tied-up time resources** so that they can be used to create value for more growth.



“The reduction in training times by 67% with Operations1 results in **annual savings of over € 2.2 million.**”

Steffen Paul  
Head of Future Projects / REFA  
POLIPOL

**-67%** TRAINING TIME



**-60%** MACHINE DOWNTIME



**Hirschvogel  
Automotive Group**

“By using Operations1, we save **€250,000 per location every year.**”

Stefan Führer  
Maintenance Leader  
Hirschvogel Automotive Group



**-95%** EFFORT FOR DOCUMENTATION



“Through Operations1 we save **over €180,000 per year.**”

Cyril Maurer  
Head of Production and Test Bench  
Soudronic

**Soudronic**

# operations<sup>1</sup>

## Get into conversation with us

Use the exchange with our product experts to find out how you can benefit specifically from Operations1.



[Book a meeting](#)



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USER REVIEWS  
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