



Supply chain execution

How to optimize your production process. From planning and production to supporting quality solutions – all from a single source!

The challenge

Global competition and the deployment of new technologies are causing the production requirements of companies to become ever more complex and fast-paced. Customers expect high-quality goods to be delivered within days or even hours. What's more, demand for custom manufacturing is increasing. All these factors are increasing pressures on manufacturing companies to react to market changes faster.

Quality is an important success parameter and competition factor for ensuring long-term, sustainable growth and profits for your company. It enables companies to set themselves apart from the competition. The quality of products is rated by all market players and in the age of digitalization and these ratings are becoming increasingly transparent for both current and future customers.

In the past, all devices, machinery, and equipment were inspected and maintained regularly to ensure their operability, without taking their actual load into account. Under this method, disruptions and outages are still possible, because a reaction is only possible after the fact, when production equipment actually breaks down – which can cause high follow-on costs due to bottlenecks and outages in downstream processes. The alternative is predictive maintenance: detecting potential defects before they have the chance to cause any trouble. The implementation of this maintenance solution facilitates better machine utilization, which increases the profitability of the machine pool as well.

The solution

Successful, forward-looking processes for top quality, optimal machine utilization, and high equipment reliability.

Our experiences from many projects have shown us the factors that are the true keys to success. To prevent our customers from having to reinvent the wheel, we have used our experience and expertise to put together an end-to-end package in which we analyze your processes and then adapt and optimize them based on your requirements. With Scheer performanceREADY, we give you proven processes and innovative, forward-looking solutions that let you design your IT landscape to provide optimal support to your employees and their work activities. Of course, this includes adapting the standard solution to your company's specific needs, including custom developments.

We work with you to develop the optimal solution for efficient requirements management, production planning and detailed scheduling, and production control at your company. We also advise you on the best possible organization for your quality management processes. As a result, you can guarantee the quality of your products and processes, cut costs, and increase customer satisfaction – to give your competitiveness a permanent boost.

To reduce machine outages, optimize system availability, and increase the effectiveness of your production processes,



Challenges in supply chain execution

we support you with our extensive expertise and experience in maintenance management. Predictive maintenance is the forward-looking approach to the proactive maintenance of your machinery and equipment, to identify likely failures and rectify the underlying problems before they occur. Avoiding expensive repairs, predicting outages, and implementing preventive measures – these are the objectives of predictive maintenance.

The triad:

- Digital recording of the data
- Assessment and analysis of the data
- Prediction of the probable events

turns the conventional, passive workflows on their heads. Instead of having to react to outages and disruptions after the fact, predictive maintenance enables companies to correct likely defects before they have the chance to cause trouble.

One of the simplest use cases for predictive maintenance could involve monitoring a production plant with a vibration or temperature sensor, for example. As soon as the vibrations become irregular or too intense, or the temperatures inside the machine exceed the normal value, the situation is detected, enabling a reaction before any damage occurs.

Cross-industry expertise enables the best possible solution in different worlds – our core industries:

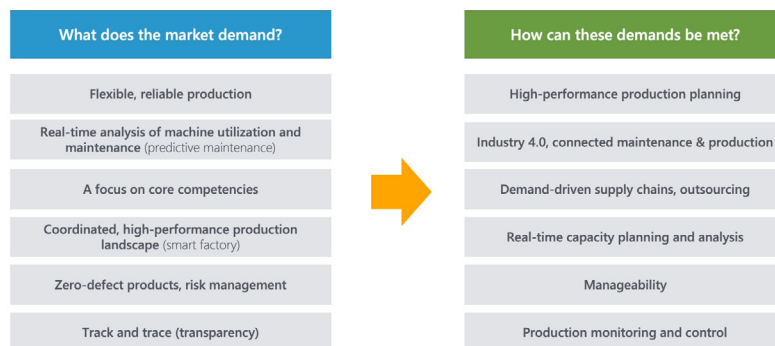
- Chemicals and pharmaceuticals
- Discrete manufacturing
- Consumer products

We know our way around the latest forward-looking trends and technologies, including

- Artificial intelligence in production
- Augmented reality
- Predictive maintenance and big data
- 3D printing for customer-specific products

Scheer performanceREADY – the end-to-end solution for successful projects

- Combines software and industry expertise with industry-specific processes based on best practices
- Low project risk, saving time and money through reference processes and preconfigured industry solutions
- Reuse of centralized standards (templates, guidelines, examples)
- Clear process landscapes enterprise-wide
- Scalable from small business to major corporation
- Sustained growth through standardized, transparent processes enterprise-wide



Challenges and potential solutions in supply chain management

Do you have questions about Scheer GmbH or would like to talk with us about specific projects? Simply send us an e-mail or call us:

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About Scheer

As a consulting and software firm, Scheer GmbH supports companies in the development of new business models, the optimization and implementation of efficient business processes, and the dependable operation of their IT systems. A particular focus in the development of products and services involves guiding companies through their digital transformation. Our customers benefit from our profound industry competence from consulting projects and expertise in IT implementations with SAP.