

SMS group

Service

Full service for maintenance shutdowns
Planning – performance – analysis



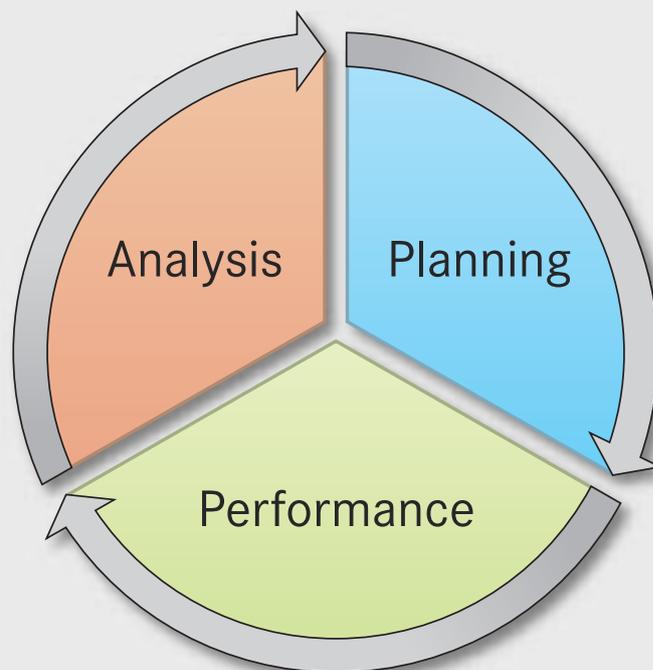
Investing in reliability and productivity

As a plant operator, you know regular maintenance shutdowns cost you real money. However, cleverly planned and efficiently executed, they ensure your entire plant continues to run smoothly ... delivering consistently high product quality. That means: you can use maintenance shutdowns as a worthwhile investment in your future plant reliability and productivity.

SMS group service offers you extensive know-how and the necessary resources along the entire metallurgical process chain – for the perfect planning, performance, and analysis of your maintenance shutdowns.

Also available to you are high-caliber employees with tools designed for the job, our mobile machining centers available at short notice, the right spare parts, plus our worldwide network of maintenance and service workshops – all this makes our service operations stand out.

Our full service ensures profitable management of planned shutdowns.



Planning – trust in experience

Detailed time scheduling

Whether your maintenance shutdown turns out to be effective and efficient depends on precise planning down to the last detail. That's why we team up with you to prepare binding time schedules for all testing and maintenance procedures.

Direct access to drawings and experts

As your plant manufacturer, we have all the plans and technical documents at our fingertips. Another major advantage is the expertise of our engineers and technicians who designed, manufactured, and commissioned your plant in the first place. As a result, you save time and can rely on precise analysis of critical parts.

Here you'll find a wealth of experience that enables our teams to service all machines and plants along the entire metallurgical process chain.

Flexible personnel deployment

We customize personnel planning to your exact specifications.

That means integrating SMS group service experts, your own employees, or external contractors in your project.

Spare parts and tools: supplied just in time

It's vital to carefully preselect the spare parts you'll need, plus standard and special tools including mobile machining centers.



Guaranteed performance in pre-set windows of time

Thorough current-state analysis

We start with exact diagnosis of your plant condition including technical measurement. Crucial here are our exclusive measuring instruments specially designed for your plant type. They take extremely precise measurements, reducing outlay for expensive diagnostics.

Expert analysis of needs

Next, we analyze the priorities and recommend what steps you can take during future maintenance shutdowns to ensure fast recommissioning.

Professional performance

The replacement and wear parts identified in the initial planning phase are ready on site when work starts. Using special tools in SMS group quality, our technicians carry out your repairs expertly, reliably, and above all fast – even under difficult conditions and in tight spaces. Plus, you can call in our mobile machining centers or use our manufacturing and service workshops ... around the globe.



Faster recommissioning

Just how much you benefit from our know-how becomes clearest during recommissioning. Applying dedicated test methods, our engineers and technicians check the functioning and reliability of the new parts. That means your plant can go back on stream rapidly – at the levels of productivity and quality you want.

Personnel deployment

There are three options you can choose from for the performance of maintenance:

- Our service team carries out the whole operation
- We supervise the work by your own staff or external specialist contractors
- We provide technical assistance (support, coordination of your technicians)



Analysis of your maintenance shutdown

Immediately after recommissioning, we carry out a final analysis of the entire maintenance process. Why? To detect improvement potentials for future maintenance shutdowns. Our goal: to save you valuable time and future work as well as costs.

Controlling and documentation

Did all the work stages comply with the shutdown plan and the time schedule? We examine any deviations to find out what caused them. Even more: seamless documentation tells you everything about the entire shutdown.

Detecting improvement potentials

The analysis findings as well as reports on the plant condition form the basis for future optimizations. Here we draw on our insights into the situation on the ground to help perfect the next shutdown plan in terms of personnel, spare parts, and tools.



Shaping future shutdown intervals

Depending on your plant configuration and operations, flexible shutdown intervals could be better than regular shutdowns. They can be scheduled to suit your current order situation, while still allowing for increased plant utilization later.

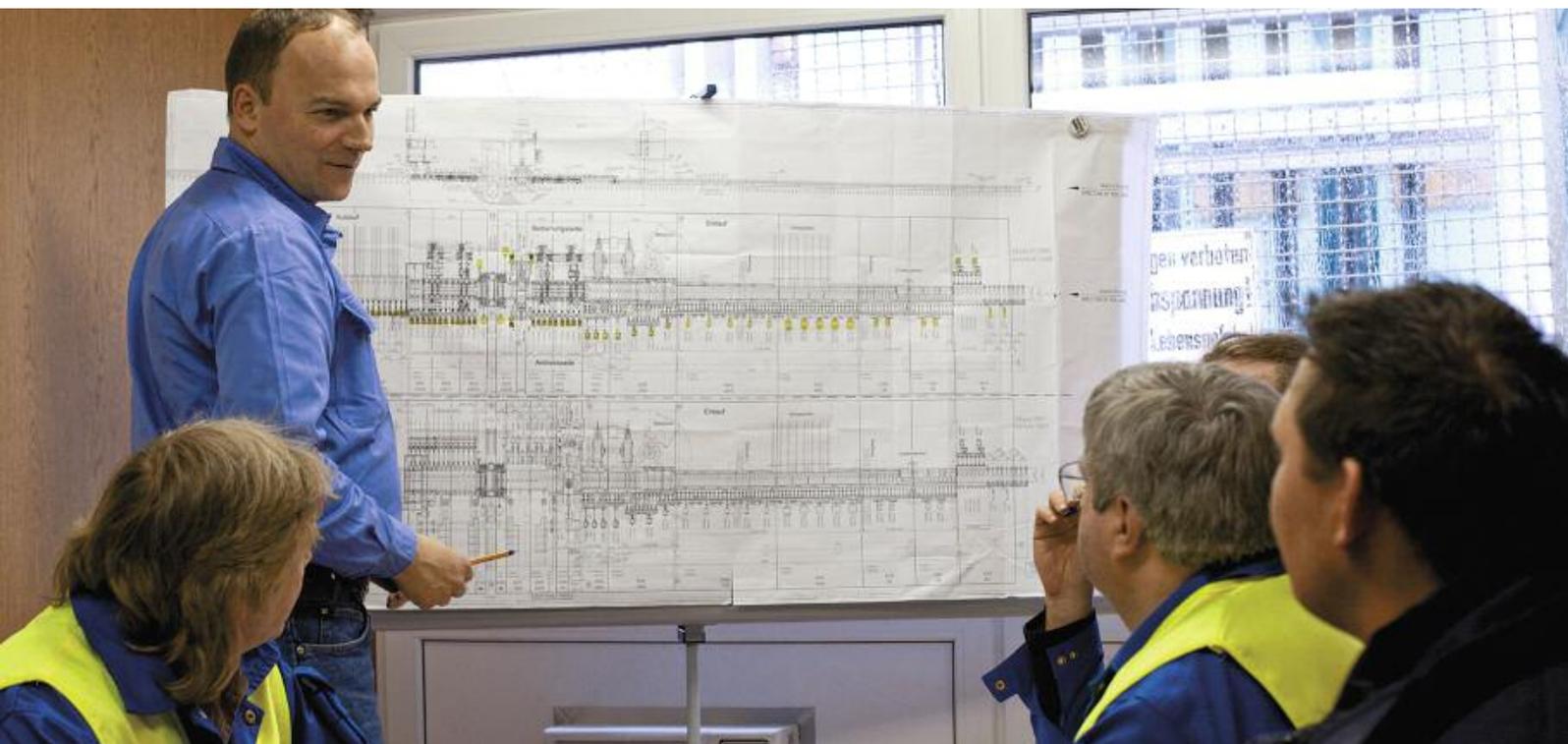
Updating your spare parts stocks

When do you need what parts? Which parts will you want in the near future, and which can you actually do without? We analyze your spare parts stocks and match them to

your real machine requirements. The result: better availability coupled with lower costs. That's because you no longer store unnecessary parts and you can reduce your warehouse capacity.

Modernizing your plant parts

How does your plant shape up in terms of competitiveness and state-of-the-art technology? To help you make the most of your machinery, our experts suggest efficient revamps or add-ons. You decide, and any changes can be factored into plans for future maintenance shutdowns.



SMS group GmbH

Technical Service

Ohlerkirchweg 66

41069 Mönchengladbach, Germany

Phone: +49 2161 350-3508

Fax: +49 2161 350-1980

service@sms-group.com

www.sms-group.com

“The information provided in this brochure contains a general description of the performance characteristics of the products concerned. The actual products may not always have these characteristics as described and, in particular, these may change as a result of further developments of the products. The provision of this information is not intended to have and will not have legal effect. An obligation to deliver products having particular characteristics shall only exist if expressly agreed in the terms of the contract.”