



ENGINEERING SUSTAINABILITY

MAXIMUM EFFICIENCY THROUGH INNOVATIVE SERVICES.

**Produce tires more sustainably
and more economical!**

zeppelin-systems.com

 **ZEPPELIN**[®]
WE CREATE SOLUTIONS



PUT YOUR TRUST IN THE GLOBAL MARKET LEADER.

Zeppelin Systems: all-round competence
in plant engineering.

We work in a wide range of industrial sectors and provide all plant construction services from basic engineering to the production of our own components to final assembly and comprehensive service from a single source. Benefit from this competence!

INNOVATIVE TECHNOLOGY PROVIDES SUSTAINABILITY.

We also offer innovative in-house technology for the production of tires and rubber. In the process, our plants repeatedly set standards also with regard to sustainability in production. It is not without reason that all the major companies in the industry rely on the performance of Zeppelin Systems equipment. We have already produced more than 500 plants.

SERVICE FOR OPTIMUM PRODUCTION.

With our practice-oriented service offers, we provide you with comprehensive support for your plant project – from preventive maintenance to greenfield, brownfield or modernization projects. Find out more about the service power of Zeppelin Systems on the following pages.

PROBLEM-FREE CONVEYING WITH THE ZEPPELIN OVERFLOW SYSTEM.

Increase your productivity with regular service!

Gentle conveying of sensitive raw materials such as carbon black and silica greatly reduce fine particle generation and facilitate easier handling of the materials. In addition, you can achieve improved dispersion in the rubber compound due to reduced fines being generated. Mixing time can also be shortened increasing capacity and throughput. For carbon black, Zeppelin Systems offers the optimal solution with the patented Overflow and Overflow SMART systems.

OVERFLOW SMART: RELIABLE CONVEYING FOR FLUCTUATING PARAMETERS.

The Overflow system ensures stable conveying with constant product parameters. If parameters (capacity, pressure, distance or carbon black type) change during the production process, we recommend the remotely controlled Overflow SMART bypass system for the most reliable operation.

Here, each bypass valve is connected to one control line. This applies additional control pressure to the spring-loaded valves, which can be adjusted automatically and remotely. This allows you to adapt the Overflow SMART system to any type of carbon black and conveying distance. The system reduces pressure peaks and lowers the conveying velocity. This allows higher conveying rates while reducing fines generation at the same time.

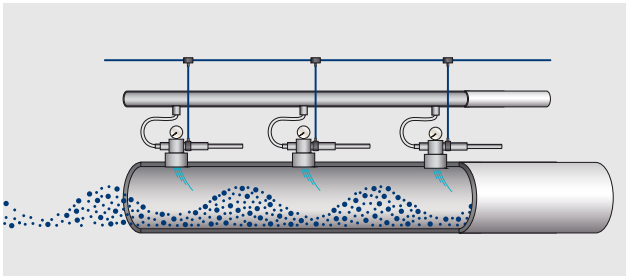
OUR SERVICE FOR SMOOTH CONVEYING.

With overflow maintenance service from Zeppelin Systems, you are always on the safe side. We check the system and the product parameters of your conveying systems and can reliably detect issues to avoid blockages in the conveying lines.

YOUR SERVICE ADVANTAGES AT A GLANCE:

- **Permanently problem-free operation for the life of the system**
- **Maximum throughput in raw material conveying**
- **Optimum adaptation to varying product parameters**
- **Constant and stable raw material quality**

Overflow SMART



- Ideal for fluctuating parameters
- Reduced maintenance
- Improved conveying characteristics due to reduced pressure peaks
lower conveying velocity
- Higher conveying rates with less fines

SERVICE NOTE: Book your Overflow maintenance appointment now - Or upgrade to Overflow SMART! We will be happy to advise you.



SAFE AND SUSTAINABLE: WALL THICKNESS MEASUREMENT.

Our service for intact pipelines.

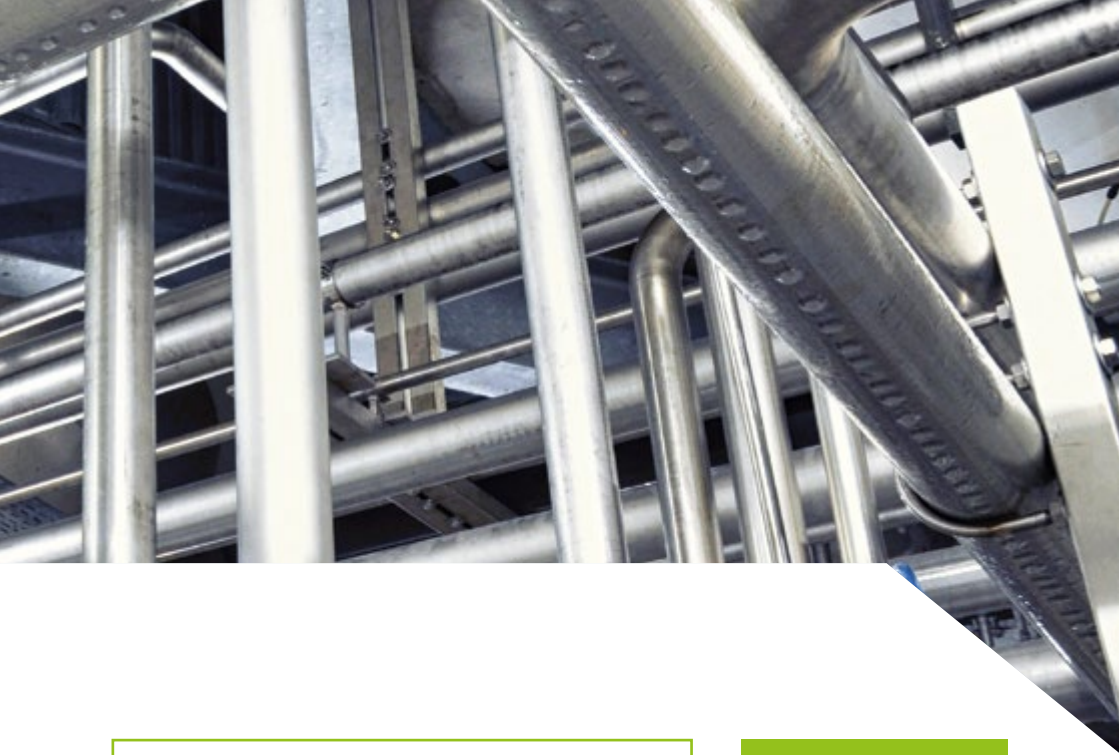
The efficiency and sustainability of the production plant stands and falls with the conveying lines. Because through the conveying of abrasive raw materials such as carbon black or silica, the lines can wear out. This can cause material to leak out and harm the health of your employees and the environment.

Take advantage of our inspection service for wall thickness measurement: The regular checks will reveal any signs of

damage or leaks at an early stage. You produce more sustainably while reducing operating cost and unplanned downtimes.

REPLACEMENT DURING DORMANT OPERATION

If it is necessary to replace the conveying lines, we normally do this during a planned shutdown. However, a shutdown is not mandatory for the replacement.



YOUR SERVICE ADVANTAGES AT A GLANCE

- **More sustainable production**
- **Early detection of weak points**
 - Reduction of unexpected breakdowns and downtimes
 - Identification of signs of wear of installed parts
- **Reduced operating costs**
 - Parameter checking and process fine-tuning save money and resources
- **Reliable material handling characteristics**
 - Optimum performance through stable conveying
 - Gentle conveying with reduced formation of fine particulates and minimal pellet destruction
 - Balanced performance in terms of throughput and product protection

SERVICE NOTE:
Schedule your wall thickness measurement today for improved plant safety and sustainability!





THE SERVICE PACKAGES FROM ZEPPELIN SYSTEMS.

Precisely tailored to your needs.

The service packages from Zeppelin Systems ensure a problem-free operation at predictable costs. Our service professionals help not only in an emergency, but already during the running process. Through predictive planning of all routine maintenance work and, if desired, remote diagnostic support.

By the way: our service packages are cheaper in total than individual services!



Choose the package that is right for you or ask us about our customized solutions.
For support on the safe side.

1 BASIC

PREVENTIVE INSPECTION:

- Regular inspection of general system and component conditions as well as electrical, pneumatic and hydraulic functions using the Zeppelin checklist
- Detailed inspection report with repair or maintenance suggestion
- Recommendation for spare parts stocking

2 ADVANCED

PREVENTIVE MAINTENANCE:

- Preventive replacement of defined components with original Zeppelin spare parts
- Maintenance according to Zeppelin operating and maintenance instructions to increase safety for personnel, machines and plant
- Longer runtime and reduction of failure risk due to execution by professional and trained service technicians

3 PREMIUM

THE TAILOR-MADE SERVICE PACKAGE:

After analysis of your needs

- For example process check, optimization of scale tare, technical check / assistance, individual training packages, spare parts consulting, etc.
- Further options by arrangement

WE ARE ALWAYS AT YOUR SIDE!

The 360° service from Zeppelin Systems.
Professional support in every phase of your project.

Zeppelin offers you a service with real added value. That's because we supply turnkey plants as well as complete systems, mixers, silos and components - and stand by your side throughout the execution of your project. This applies not only to the construction of new plants, but also to modernization projects. In this way we provide professional support and a smooth project flow, individually tailored to your requirements.

Choose from practical modules for all activities on your project. You can book the modules on a daily basis or as a package. We will be happy to put together optimally designed service solutions for your plant.

1 Incoming goods inspection

2 Assembly / installation

3 Commissioning

4 Performance test

5 Training

6 Spare parts supply

7 Service contracts



Request your proposal and discover service that will inspire you!

YOUR ADVANTAGES AT A GLANCE

- **No trouble with incomplete deliveries**
We check every package
- **Optimal project coordination**
We know how your plant must be constructed
- **Safety through technical competence**
Nobody knows our plants better than we do
- **Accelerated workflow**
We work as one team
- **Assured start of production**
We ensure resilient deadlines through clear planning
- **Optimal production output/performance**
We provide continuous support

BEST CARE!





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