

MAHLE

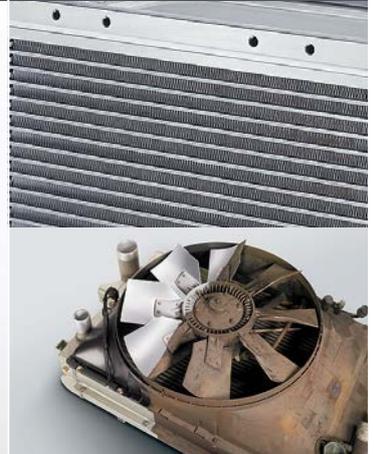
Driven by performance

AT YOUR SIDE.

Cooling and air conditioning system services to meet your needs.

SERVICE

INDUSTRIAL
THERMAL SYSTEMS



MORE PERFORMANCE, PRECISION, AND PASSION FOR YOUR SUCCESS.

» We see ourselves not just as a supplier, but much more as a reliable guide and expert partner that helps you better reach your goals. «



MAHLE is a leading global development partner for the automotive and engine industry with unique systems competence in the areas of engine systems, filtration, electrics/mechatronics, and thermal management. Automobile and engine manufacturers worldwide rely on products and solutions from **MAHLE**.

This unique expertise and outstanding development competence can be found in our products and solutions around the globe: in commercial vehicles, ships, trains, agricultural and construction machinery, electric vehicles and other demanding industrial applications such as forklifts, mobile hydraulics and factory equipment.

As your development, systems, and service partner, we know your requirements and processes. We know what you and your customers need and, together with you, we create added value that brings fresh power to your success: tailor-made solutions with the highest performance and reliability, durability, and economic efficiency, which sustainably contribute to increasing energy efficiency and ecological added value.

**WE DRIVE YOUR SUCCESS. WORLDWIDE.
WITH PERFORMANCE, PRECISION, AND PASSION.
MAHLE – DRIVEN BY PERFORMANCE.**



OVERVIEW

COMPREHENSIVE, TAILOR-MADE SERVICE: TO KEEP INVESTMENTS SECURE.

In addition to high-quality spare parts, MAHLE Industrial Thermal Systems Services provides service concepts tailored to your specific requirements. This maximizes the long-term operational safety, availability, and economic efficiency of your machines and systems.

Your reliable service partner around the world

As a specialized service division of MAHLE Industrial Thermal Systems GmbH & Co. KG, we develop, produce, and distribute high-quality spare parts and repair concepts for a broad range of applications:

- Railroad vehicles
- Special vehicles
- Buses
- Construction machines
- Agricultural machines
- Large engines
- Power electronics
- Aerospace
- Wind power

FULL-SERVICE PROGRAM

FULL SERVICE FOR COMPLETE SUCCESS: SPARE PARTS, MAINTENANCE, AND REPAIR.

Economic efficiency, availability, and reliability: these are the three most important criteria that your cooling or air conditioning system must meet. With a comprehensive scope of services, MAHLE Industrial Thermal Systems Services not only ensures that your systems run well over the long term, it also secures your investments and vehicle availability. All around the world.

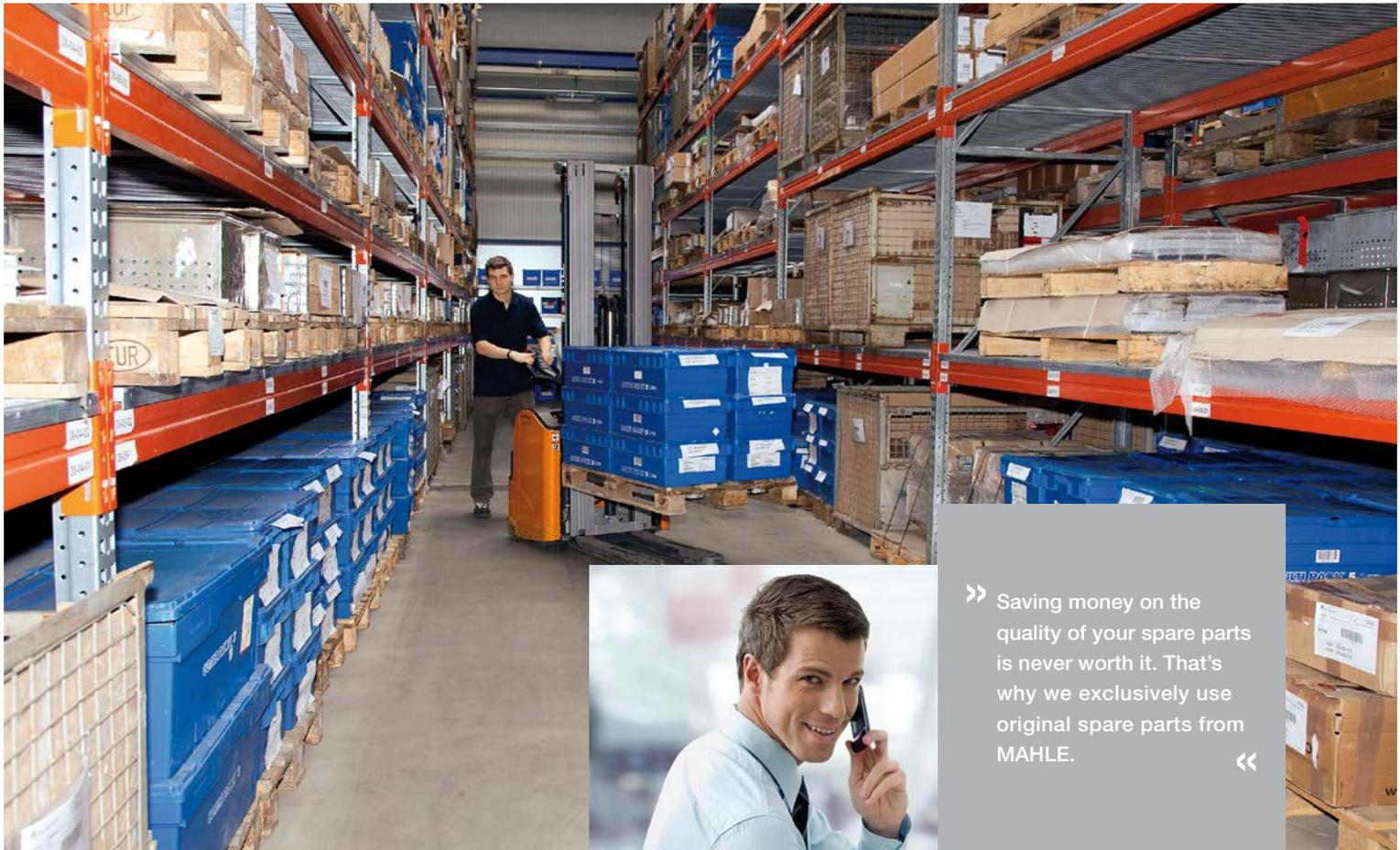
Comprehensive service packages as needed

Whether you need maintenance or repair of individual components or complete cooling and air conditioning systems, whether a spare part is required in a hurry, or whether your employees need to be brought up to the latest level of cooling and air conditioning

technology, as a full-service provider, we can present you with a tailor-made, comprehensive service package to keep your vehicles and systems running. This allows you to fully concentrate on your core business.

FULL-SERVICE PROGRAM:





» Saving money on the quality of your spare parts is never worth it. That's why we exclusively use original spare parts from MAHLE. «

SPARE PARTS

THE ORIGINAL IS THE BEST: HIGH-QUALITY SPARE PARTS, THE BEST THERE IS.

MAHLE Industrial Thermal Systems Services offers a high level of investment security with a spare parts policy designed for the long term. For critical functional parts, you can count on supply availability for up to 30 years.

Long service life and fast delivery

The safe, reliable long-term operation of your vehicles and systems is a key factor for the success of your business. By using high-quality original spare parts from MAHLE Industrial Thermal Systems Services in your systems, you can prevent expensive outages or stoppages, take action to meet deadlines, and provide your customers with the highest level of quality over the long term. We guarantee the best original quality, so that your systems can function reliably and economically, even after years of use.

Experienced materials, handling, and logistics specialists ensure that all of the over 200,000 parts in use in our systems are available to you as quickly as possible.



REPAIRS

PLAN AHEAD AND SAVE: WITH PREVENTIVE MAINTENANCE CONCEPTS.

Improve your operational safety and increase the economic efficiency of your systems with our help. At our worldwide service centers, you can rely on decades of practical experience in overhauling and repairing cooling and air conditioning systems and their components. Your installations are in the best hands here.

Effective over the long term: Green Reman services

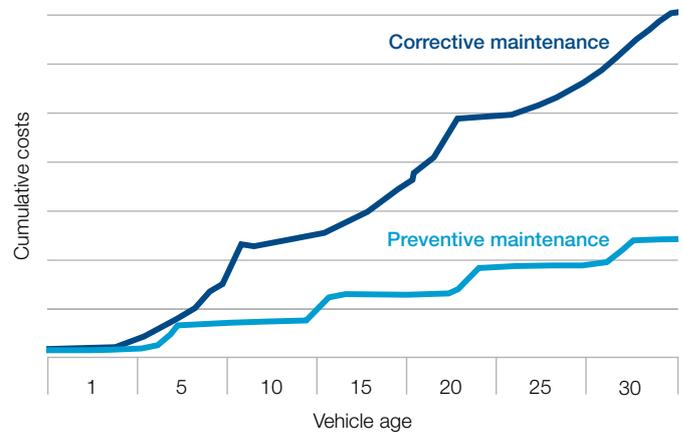
MAHLE Industrial Thermal Systems Services develops customized concepts for the preventive maintenance of your cooling and air conditioning systems. Our extensive Green-Reman service portfolio includes the following services:

- Replacement of defective aluminum coolers (package design)
- Cleaning and repair of coolers of all types, regardless of design
- Overhauling of complete cooling systems, HVAC modules, and hydraulic components
- Coarse and ultrasonic cleaning
- Seal inspections for your coolers
- Reconditioning of thermostats, water pumps, and fans

Regular preventive maintenance and refurbishment of worn and contaminated cooling and air conditioning systems or components saves a lot of money, due to lower vehicle fuel consumption over the long term, while protecting the environment and natural resources. Depending on the system or component in question, an overhaul can generally pay for itself with reduced fuel consumption after just 1 or 2 years.

Overview of the benefits of preventive maintenance:

- Economical operation with predictable running costs
- Constant low fuel consumption
- Long service life of systems and components
- Avoidance of total outage



Cost comparison for corrective maintenance and preventive maintenance with respect to increasing vehicle age.





>> With the preventive maintenance services from MAHLE, operation of our machines can remain uninterrupted and particularly economical. <<



CUSTOMER SERVICE

WHEN THINGS DON'T GO AS PLANNED: COMPETENT ON-SITE CUSTOMER SERVICE.

Our competent and experienced service technicians are active around the world, and can be on site for you quickly, especially in urgent cases. This allows you to keep your system stoppages to a minimum, speed up your maintenance processes, and ensure that your systems and vehicles run reliably.

Comprehensive commissioning and maintenance services
The services that our technicians provide include initial commissioning as well as regular maintenance and failure analysis for acute problems with your cooling and air condition systems.

Armed with cutting-edge tools and measurement instruments, our service technicians find the defect and perform the necessary repairs directly, if possible.



TRAINING PROGRAMS

ALWAYS UP-TO-DATE: TRAINING PROGRAMS FOR OPERATION, MAINTENANCE, AND REPAIR.

To help you keep your cooling and air conditioning systems under control at all times, we offer an extensive program of training sessions and workshops. Experienced trainers use the latest teaching methods to provide your employees with a good grounding in the fundamentals of operation, maintenance, and repair of your systems. This keeps your employees' knowledge up-to-date with the latest technology and keeps your systems running over the long term.

Employees become experts

Your employees will be taught theory and practice, step by step, about the principles of operation of the cooling or air conditioning system and its individual components. The practical part of the training program can either be performed at our training center, or alternatively, directly at your location.

The training contents are oriented to your individual graduate requirements and to the level of knowledge of the participants. They conclude with a test and written documentation of the qualification obtained, if desired.

TECHNICAL SUPPORT

EVERYTHING UNDER CONTROL, ALL THE TIME: WITH COMPREHENSIVE TECHNICAL SUPPORT.

Should you have questions about the technology and operation of your cooling and air conditioning systems from MAHLE in the course of operation, our service hotline employees will be happy to assist you. This is also the right contact for failure analysis over the phone.

You can reach us at:

Technical support

Phone: +49 711 501-42112
Fax: +49 711 501-4442112
E-mail: thermalsystems-tecsupport@mahle.com

Spare parts sales

Phone: +49 711 501-42110
Fax: +49 711 501-4442110
E-mail: thermalsystems-services@mahle.com

» As a globally active company, we need a worldwide service partner as well. MAHLE is there for us across the globe. <<





ALWAYS THERE FOR YOU:
WITH COMPETENT CONTACTS WORLDWIDE.

**SHIPPING ADDRESSES AND BRANCHES
THERMAL SYSTEMS**

GERMANY

**MAHLE Industrial Thermal Systems
GmbH & Co. KG**

Heilbronner Strasse 380
70469 Stuttgart
Phone: +49 711 501-42100
Fax: +49 711 501-42396

Shipping address for air conditioner repairs

**MAHLE Industrial Thermal Systems
Reichenbach GmbH**

Gewerbering 2
08468 Heinsdorfergrund
Phone: +49 711 501-42961
Fax: +49 711 501-4442961

Shipping address for repairs

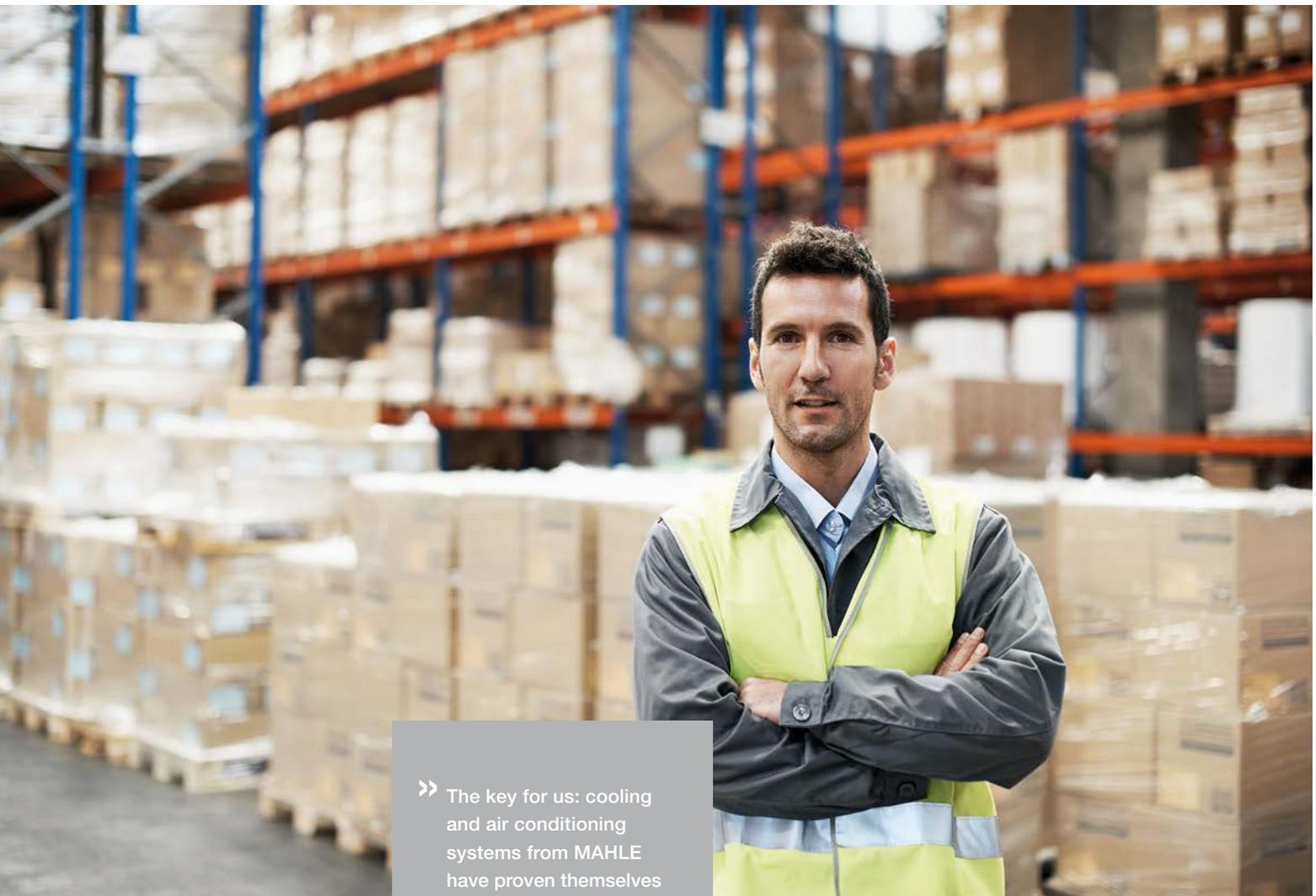
**MAHLE Industrial Thermal Systems
GmbH & Co. KG**

Brückäckerstrasse 20
74523 Schwäbisch Hall
Phone: +49 711 501-42100
Fax: +49 711 501-42990

USA

**MAHLE Industrial Thermal Systems
America, LP**

5858 Safety Drive, NE – Suite F
Belmont, MI 49306
Phone: +1 616 647-3490
Fax: +1 616 647-3491



» The key for us: cooling and air conditioning systems from MAHLE have proven themselves around the world in countless challenging applications. «

FRANCE

MAHLE Filtration Industrielle SAS

18, rue de l'Esterel, SILIC
94563 Rungis
Phone: +33 1 45 12 05-30
Fax: +33 1 46 87 58-68

CHINA

MAHLE Industrial Thermal Systems (Tianjin) Co., Ltd.

Workshop D5-1, XEDA International
Industrial City
300385 Tianjin, Xiqing Economic
Development Area
Phone: +86 22 2382-8358
Fax: +86 22 2382-8368

Our certified dealers can be found at:

www.mahle.com

www.mahle.com

MAHLE Industrial Thermal Systems GmbH & Co. KG

Heilbronner Strasse 380

D-70469 Stuttgart/Germany

Phone: +49 711 501-42100

Fax: +49 711 501-42396

thermalsystems@mahle.com

MAHLE worldwide

Your contacts at a glance: www.mahle.com

In cooperation with:

