



WMH GROUP GERMANY



AIM HIGH - WITH THE RIGHT MATERIAL

Higher, faster, further: The demands placed on the materials used in the aerospace industry are developing as rapidly as the technical possibilities. They make a significant contribution not only to safety and stability, but also to the economic efficiency of the finished product. Weight, load-bearing capacity, processing and corrosion values – all these aspects must be taken into account when identifying the optimum material for the respective purpose.

HIGHLY SPECIALISED MATERIALS FOR THE AEROSPACE INDUSTRY

In addition to all common aluminium products, the WMH GROUP GERMANY offers a wide range of high-integrity aluminium alloys, in particular for use in the aerospace industry. We employ a comprehensive quality concept, focusing not only on tested, certified product quality and precision, but also on the quality of advice and service as well as absolute delivery reliability. This is guaranteed thanks to our fully automated warehouse at our Essen site with a capacity of over 4,000 tonnes. If, in an exceptional case, an item is not in stock, we can always respond immediately due to our large network of reliable and fast suppliers. The aerospace industry has been placing its trust in us as one of Europe's leading aluminium specialists for over 35 years.

Foundation
of the metal
business

1932

Aerospace certification

1975

Modernisation and
expansion of the
aluminium business

1975

Investment boost with "just-in-time" synchronisation

1999



FRIEDRICH W. HERMANN



FRANK HERMANN

IN THE ALUMINIUM TRADE SINCE 1932

The WMH GROUP GERMANY is constantly growing because we work hard every day to earn the confidence of the industry and the trust of highly specialised companies; something we have been doing for over 90 years. The solid foundation for our aluminium solutions: Expertise, experience, top precision, complete reliability and individual performance in advice and service.

The international subsidiaries of the WMH GROUP GERMANY guarantee border-free solutions, whereby we act as a strong driver of innovation and digitalisation. Our certificates meet the highest requirements and our performance satisfies the highest demands of our customers. For us, quality stands for unique industry knowledge, first-class products and unbeatable service – not only in the aerospace sector, but in mechanical engineering and numerous other industries, too.

For you, quality simply means greater success.

Internationalisation/
expansion of sales

Commissioning of the fully automated high-bay
warehouse, installation of a 250 kWp photovoltaic
plant and a 100 kW wood chip-fired heating system

since
2000

2012

New company headquarters
– expanded by 7,000 m²

2013

2022

Environmental management
certification ISO 14001

SHEETS AND PLATES

Be it in the aerospace industry, the defence technology sector, in rail transport, in tool, machine and mould making, or in the lighting and solar industry: The WMH GROUP GERMANY supplies aluminium sheets and plates in thicknesses ranging from 0.3 mm to 300 mm wherever maximum precision and reliability are required.

Our strength: Our product range includes sheets and plates for the aerospace industry, the DIN/EN sector and an extensive profile range of bars and tubes.

If you are looking for a specific product with a special material property or shape – such as rings and circular blanks or machined blanks – then get in touch with us.

In order to satisfy the highest demands of our customers in the aerospace sector at all times, we in turn place the highest demands on producers. Precision sheet and plate products for aerospace are purchased exclusively from approved manufacturers with acceptance test certificate 3.1 according to DIN EN 10204 and are stocked in many specifications. The highest internal standards when it comes to storage, as well as all processes right through to successful integration in your production, guarantee you unbeatable product quality – and full transparency to facilitate complete traceability.

AVAILABLE MATERIALS/ALUMINIUM ALLOYS

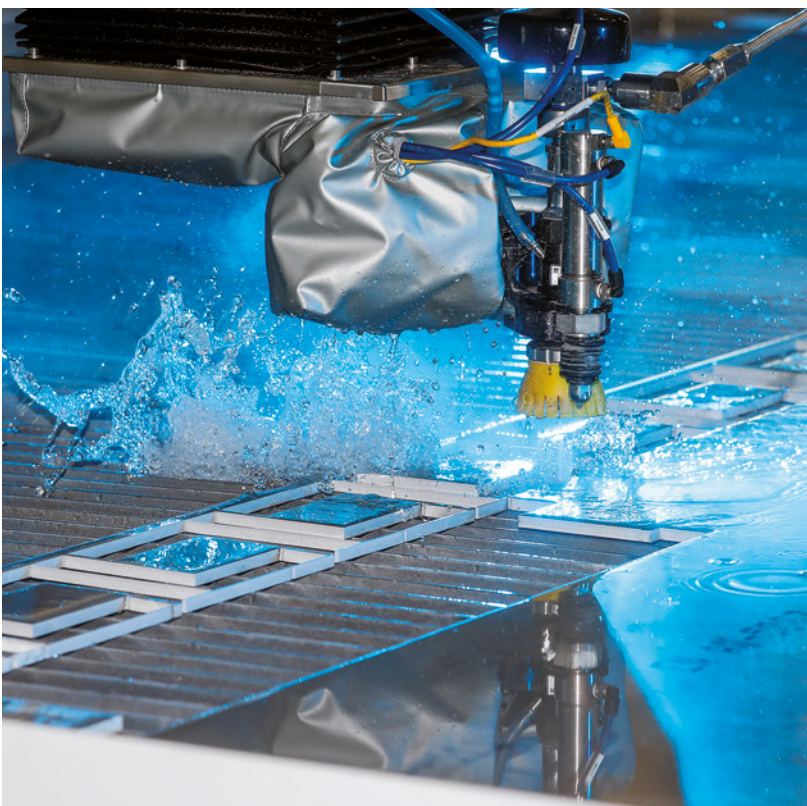
EN AW 2024 bare T3	EN AW 6082 T6/T651
EN AW 2024 clad T3/ T351	EN AW 7010 T7451/ T7651
EN AW 2024 T351	EN AW 7020 T6/T651
EN AW 2124 T851	EN AW 7050 T7451/ T7651
EN AW 2219 T851	EN AW 7075 T651/ T7351
EN AW 2618 T851	EN AW 7175 T7351
EN AW 6061 T651	EN AW 7475 T7351

Other special alloys in all conventional heat treatment conditions on request.

OEM STANDARDS

Airbus
Liebherr
Boeing
Bombardier
Dassault
SAAB
Embraer
Rolls-Royce





MACHING OF SHEETS AND PLATES

We process sheets and plates with the highest precision and care according to your requirements. Our panel sizing saws can process formats of up to 4300 x 4300 mm with a thickness of up to 220 mm.

We manufacture hand-guided shaped blanks, rings and circular blanks individually according to customer requirements on our vertical bandsaws.

We perform waterjet contour cuts according to customer specifications up to a thickness of 140 mm and in format sizes of up to 1,920 x 3,920 mm.

Single or double-sided finishing of sheets with protective or laser foil is possible up to a width of 2,500 mm.

QUALITY MANAGEMENT

Certifications according to EN 9100 and EN 9120 by DEKRA document a significant expansion of the range of services of the WMH GROUP GERMANY. In addition to trading in semi-finished aluminium products, the company also acts as a manufacturer for the aviation industry.

SUSTAINABILITY

To make sure that success has a future, we act responsibly – and not only when it comes to our customers and partners. Within the framework of a comprehensive sustainability strategy, the WMH GROUP GERMANY also takes the environment into consideration; for example through a particularly careful and intelligent use of resources. Our environmental management is certified in accordance with ISO 14001.





PROFILES

As a long-standing partner of the aerospace sector, we are highly familiar with the requirements of this particularly demanding industry. The comprehensive product range of the WMH GROUP GERMANY satisfies these requirements with special aerospace products and with outstanding quality at good conditions.

As a stockist for aerospace profiles, we guarantee short lead times and have no minimum purchase quantity. Be it designer furniture for aircraft interiors, system solutions for cargo transporters, aircraft seats for the interior, aircraft doors or simply when spare parts are required at short notice – for example for repairs or conversions: We supply aeronautical profiles in various lengths, thicknesses and aeronautical standards such as LN, ABS, WL, ASNA, AMS QQA, DAN and AIR.

AVAILABLE MATERIALS/ ALUMINIUM ALLOYS

EN AW 2024
EN AW 6061
EN AW 7075



AVAILABLE MATERIALS/ALUMINIUM ALLOYS

EN AW 5083
EN AW 6082
EN AW 7020
EN AW 7075
EN AW 2024
EN AW 6061
EN AW 2099

BARS

When it comes to round bars, the WMH GROUP GERMANY satisfies almost every wish of engineers and designers, for example with DIN/EN round bars in numerous diameters and alloys for tool-making, machine and special machine construction and special vehicle construction.

We also offer round bars made of lead-free alloys for particularly sensitive applications (for example with direct food contact). Our aerospace bars satisfy the highest aerospace technology requirements, but remain firmly grounded when it comes to price structure.

Piston rods from the WMH GROUP GERMANY successfully drive progress in engine construction, and are the first choice for high-quality pneumatic applications.

All products can, of course, be machined with high precision too – sawing, turning, drilling, deburring and straightening, as well as the production of rings and circular blanks are a standard part of our wide range of services. Extensive documentation and strict quality management guarantee the complete traceability of materials and processes at all times.

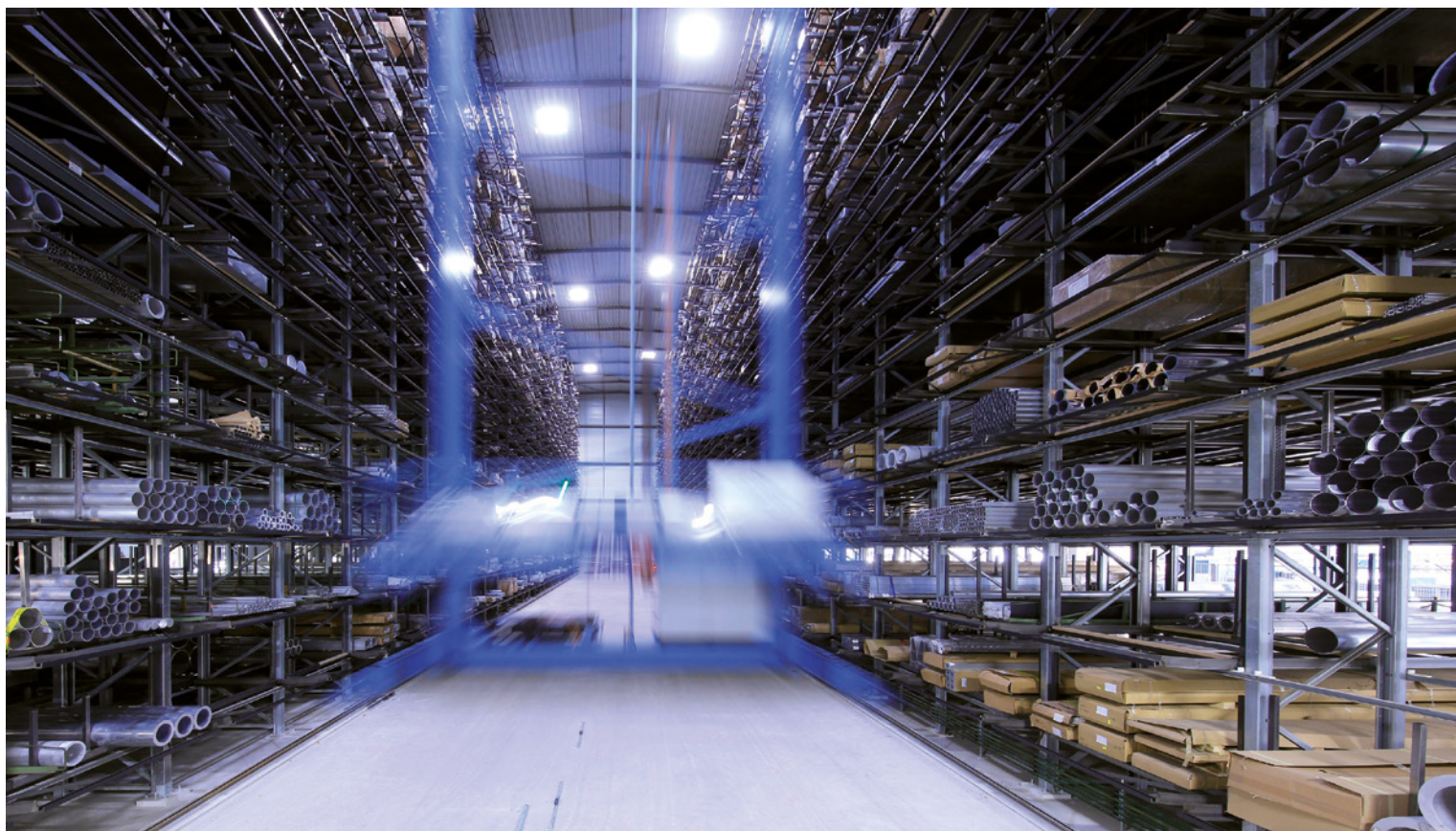
URBAN AIR MOBILITY

The WMH GROUP GERMANY is part of the expansion of urban mobility – for example air taxis and cargo drones – into the third dimension: Aerospace.

Our stock materials meet the highest aviation requirements and are also used for Urban Air Mobility (UAM). With an eye on the future, we optimise our stock and remain constantly aware of any new and special alloys for this sector.

Get in touch with us.





DIN/EN TUBES

The WMH GROUP GERMANY also impresses with maximum in precision and choice when it comes to aluminium tubes. These include DIN/EN round tubes, DIN/EN square tubes, Rotal rolling tubes / WMH Plus tubes, pneumatic cylinder round tubes and pneumatic profile cylinders, as well as aviation round tubes and aviation square tubes.

We offer the ideal solutions for the aerospace industry, defence technology, the paper, film and printing industry, general mechanical engineering, medical engineering, the automotive and racing segments, the furniture and solar industry, and for high-quality pneumatic applications.

Good to know that round tubes with outside diameters from 5 to 580 mm are in stock, alongside all common square tubes. Are you looking for even more? Then overlengths of up to 30 metres are possible, as is the straightening of up to 15-metre lengths.

AVAILABLE MATERIALS/ ALUMINIUM ALLOYS

EN AW 6005
EN AW 6060
EN AW 6082
EN AW 6101B



ROTAL ROLLING TUBES AND WMH PLUS TUBES

Rotal rolling tubes or WMH Plus tubes are the first choice wherever the highest precision and tight tolerances are required. For example, many companies in the paper, printing and film industries trust these high-quality pressed and roller straightened precision products. For maximum precision, Rotal rolling tubes can also be precision-straightened to a straightness of up to 0.1 mm/metre on request.

AVAILABLE MATERIALS/ALUMINIUM ALLOYS

EN AW 6060 AL Mg Si

ROTAL DIMENSIONAL RANGE

35 x 6 mm - 200 x 15 mm

WMH PLUS DIMENSIONAL RANGE

180 x 15 mm - 233.5 x 16.75 mm



HYDRAULIC PIPES AND TUBES FOR PNEUMATICS

Quality forms the best basis for high-quality pneumatic applications. Pneumatic cylinder round tubes with H11/ H12 internal tolerances are characterised by outstanding precision, high dimensional accuracy and the associated minimal requirement for reworking. If your concept for success is based on oil instead of air, we have good news for you too: We can also supply you with hydraulic tubes made of aluminium on request.

The WMH GROUP GERMANY supplies high-quality tubes for all forms of pneumatic application. One speciality is the pneumatic profile cylinders, which are available in numerous variants with internal diameters from 40 to 100 mm.



AVAILABLE MATERIALS/ ALUMINIUM ALLOYS

EN AW 6060
EN AW 6082
EN AW 6063



TUBES FOR BICYCLE AND WHEELCHAIR CONSTRUCTION

For years, the WMH GROUP GERMANY has been supplying high-strength aluminium tubes for the construction of top-quality bicycles, wheelchairs and load-bearing structures, among other things. The tubes can be readily welded and hard anodised.

AVAILABLE MATERIALS/ ALUMINIUM ALLOYS

EN AW 7020

DIMENSIONAL RANGE

10 x 2 mm – 90 x 15 mm





PLANKS

Design planks, industrial planks and grating planks can be used in many ways in industry, and in building and plant construction – e.g. for walkways, stairs and work platforms.

The aluminium products combine a high load-bearing capacity, durability and slip resistance with a low weight. It is specifically thanks to this low weight that they offer users a number of advantages.

Cutting and measuring can take place on site, while installation is quick and easy; something that is also guaranteed by our well-conceived fastening solutions.

We procure the high-quality products from Constellium Singen GmbH and distribute them exclusively worldwide.

DESIGNPLANKS



GRATINGPLANKS



INDUSTRIALPLANKS





DEFENCE TECHNOLOGY

We have been reliably supplying aluminium solutions for the defence industry for decades:

Sheets and plates, profiles, tubes, bars and planks made of high-strength special alloys are available from our warehouse immediately or can be supplied quickly thanks to our international production contacts.

We use leading-edge machines for sawing, deburring and straightening to ensure the utmost in precision during processing.



OUR ALUMINIUM SOLUTIONS ARE USED IN DEFENCE TECHNOLOGY FOR PRODUCTS INCLUDING THE FOLLOWING:

Armoured cars
Armoured reconnaissance vehicles
Armoured bridge-laying vehicles

Recovery vehicles
Command vehicles
Helicopters

Drones
Protective vests
Optical systems



e-mail@haertel-wasser.de • www.haertel-wasser.de

Qualität ist unsere Mission bei Härtel Wasser. Wir legen von Anfang an Wert auf zufriedene Kunden. Wir bieten hochwertigen Maschinenbau, in dem Komponenten namhafter Hersteller verwendet werden.

Aus Erfahrung in der Praxis, hergestellt für die Praxis.

- >> Moderne, präzise Wasserstrahlschneidanlagen
- >> **24 Monate Gewährleistung**
- >> Wartungsunanfällige Hochdruckpumpen
- >> Über 1.200 zufriedene Kunden weltweit



Wir von Team Härtel sind für Sie da!

Eichenstraße 65
42659 Solingen
Tel.: +49 (0)212 38 216 571

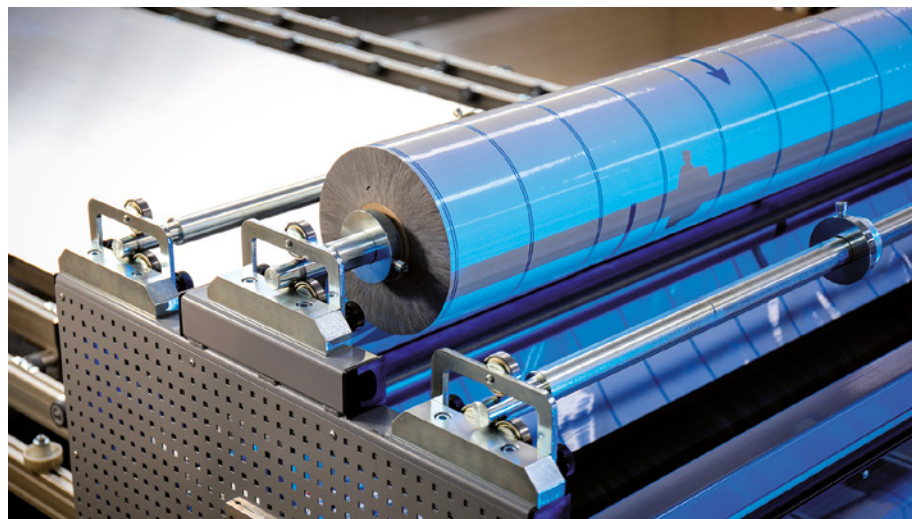




STATE-OF-THE-ART MACHINES FOR MACHINING ALUMINIUM

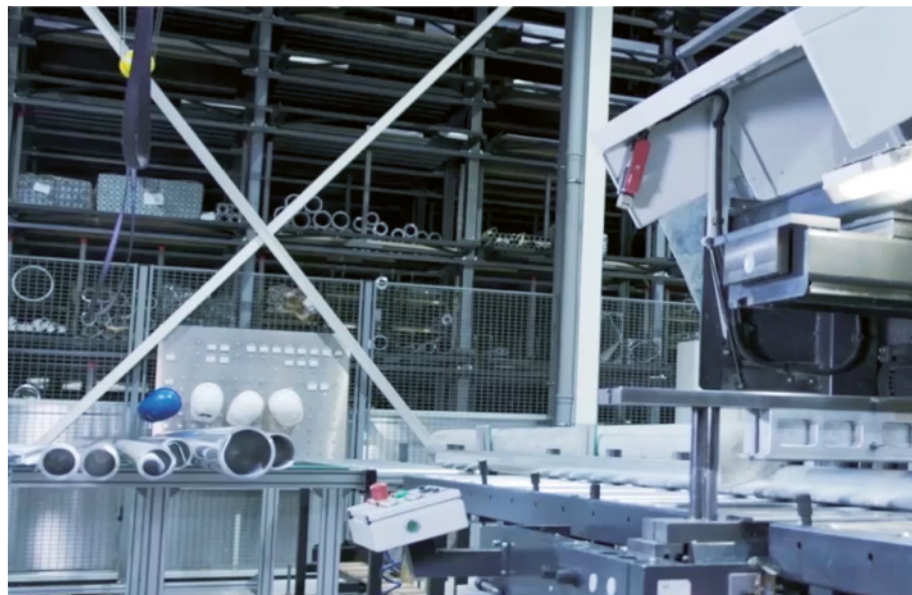
We rely on state-of-the-art machines for unbeatable quality in the production, manufacturing and processing of aluminium products. Be it high quantities or individual custom-made products: The WMH GROUP GERMANY supplies you with customised aluminium solutions for your application.

Our wide range of services includes sawing, turning, drilling, deburring and straightening, as well as the production of rings and circular blanks or machined blanks.



OUR MACHINERY

Behringer
Häberle Feinmechanik CNC technology
Maschinen-Wagner
Pressta-Eisele
Straightening press
IMA Schelling
Mayer machines
Mössner
Flow



Thanks to our valued business partners for their support with this brochure. We are looking forward to a continued successful cooperation in the future.



**KOMPETENTE BETREUUNG RUND UM
ALLE BAU- UND RENOVIERUNGSARBEITEN
AM DACH, DACHFLÄCHENFENSTERN
UND FASSADEN:**

Tel: 0201 / 57 89 32 - info@prost-bedachungen.de



- Einbruchmeldeanlagen
- Funk-Einbruchmeldeanlagen
- Brandmeldetechnik
- Videotechnik
- Zutrittskontrolle



www.accsicherheitstechnik.de



HLP

Wirtschaftsprüfung
Steuerberatung
Unternehmensberatung

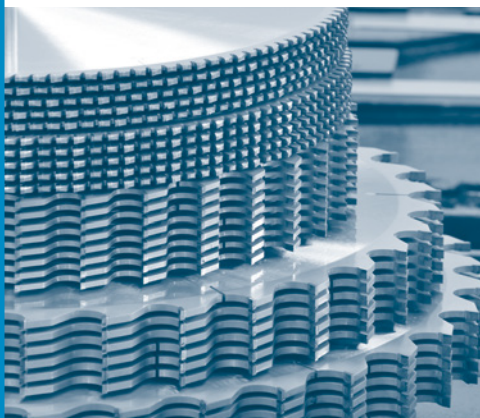
Mit unserem erfahrenen Team aus Wirtschaftsprüfern und Steuerberatern beraten wir seit über 40 Jahren schwerpunktmäßig mittelständische Unternehmen, selbständig Tätige und ambitionierte Start-ups im gesamten Ruhrgebiet und darüber hinaus. Wir verstehen uns als „Sparring-Partner“ unserer Mandanten und entwickeln gemeinsam ganzheitliche Beratungsansätze.

Unsere Beratungsschwerpunkte liegen insbesondere in der Gestaltung und Umsetzung von Nachfolgekonzepten für inhabergeführte (Familien-)Unternehmen sowie in der spezifischen Beratung von Unternehmen aus der Metall- und Immobilienbranche.

HEGEMANN, LAWITZKE & PARTNER GbR
Am Alfredusbad 2 - 45133 Essen - Telefon +49 (0)201 84264-0 - kanzlei@hlp.ruhr

www.hlp.ruhr

optimieren | fertigen | nachschärfen | instandsetzen



appel werkzeuge

Qualität durch Präzision

Hartmetall- und HSS-Werkzeuge
für die metallverarbeitende Industrie
Präzisions-Werkzeugschleiferei

www.appelwerkzeuge.de





WMH GROUP GERMANY

Westdeutscher Metall-Handel GmbH

📍 Manderscheidstr. 76-78
45141 Essen

☎ tel +49 201 2019 0

✉ fax +49 201 2019 300

@ info@wmh.de

🌐 www.wmh-group.com



GLOBAL GRUPPE

BEYOND INSURANCE.



MAXIMALE SICHERHEIT FÜR IHR UNTERNEHMEN.



Sie haben sich entschieden, etwas zu unternehmen, wir haben uns entschieden, Ihnen dafür das Plus an Sicherheit zu geben. Denn Sie als Unternehmer sind zahlreichen Risiken ausgesetzt, die wir gemeinsam mit Ihnen ermitteln und durch ein entsprechendes Versicherungskonzept auf ein Minimum reduzieren können.

Wir verfolgen jederzeit den Kerngedanken – **fair, partnerschaftlich und unternehmerisch zu handeln** – vom Inhaber für Inhaber.

Global Assekuranz Versicherungsmakler GmbH
Hildegard-von-Bingen-Allee 2 • D-50933 Köln
T. +49 221 179189-0 • F. +49 221 179189-10
info@global-gruppe.com • www.global-gruppe.com

GLOBAL GRUPPE

