



WEAVING IDEAS.

HAYER & BOECKER



DIE DRAHTWEBER



THE WIRE WEAVERS

Haver & Boecker began producing woven wire cloth in Hohenlimburg, Germany in 1887. Today, we are one of the world's leading wire weaving companies with a global network of branches and manufacturing facilities.

Our work is based upon experience, continuous research and development of products and manufacturing processes, along with the knowledge and ability of our employees. This combination of tradition and innovation allows us to meet and exceed the high expectations of our customers.

We offer architects and designers a broad range of wire cloth specifications for interior and exterior design. Our knowledge and experience of wire weaving and ready-to-install wire cloth elements enables us to act as a reliable partner at every stage of the project: from the initial concept right through to an on time installation.

The many projects that we have installed mirror our manufacturing ability. Along the way we have formed many creative partnerships with internationally renowned architects, culminating in a growing number of customers throughout the world relying upon our capabilities.

These projects – along with in-house engineering and construction departments, many patents, registered designs and trademarks – provide first hand proof of the extraordinary quality of our products and our unique way of weaving your ideas.

YOUR IDEA MARKS THE BEGINNING.



Haver & Boecker Architectural Wire Cloth perfectly combines functionality and aesthetics. This combination opens new perspectives for creative design, generating the possibility of fascinating architectural solutions.

Your ideas can be translated into reality. Right down to the last detail. The earlier you involve us in the technical and visual specifics, the better the final result.

There are many important factors that need to be considered. Such as, which type of weave will suit the application best? What material should be chosen: Stainless Steel, Brass, Copper, Aluminium? Surface finish: high gloss or matt? Which mounting solution is most suitable? What structural requirements need to be considered? Are there special environmental considerations?

Your questions deserve reliable answers. Answers backed by a wealth of experience and know-how.

Make a start – with your idea.



WEAVE GOT YOU COVERED.



Façade

Haver & Boecker Woven Wire Cloth transforms the appearance of exterior façades giving immense individual character to a building. The gleaming façade, reflecting light in many variations combined with high functional values.

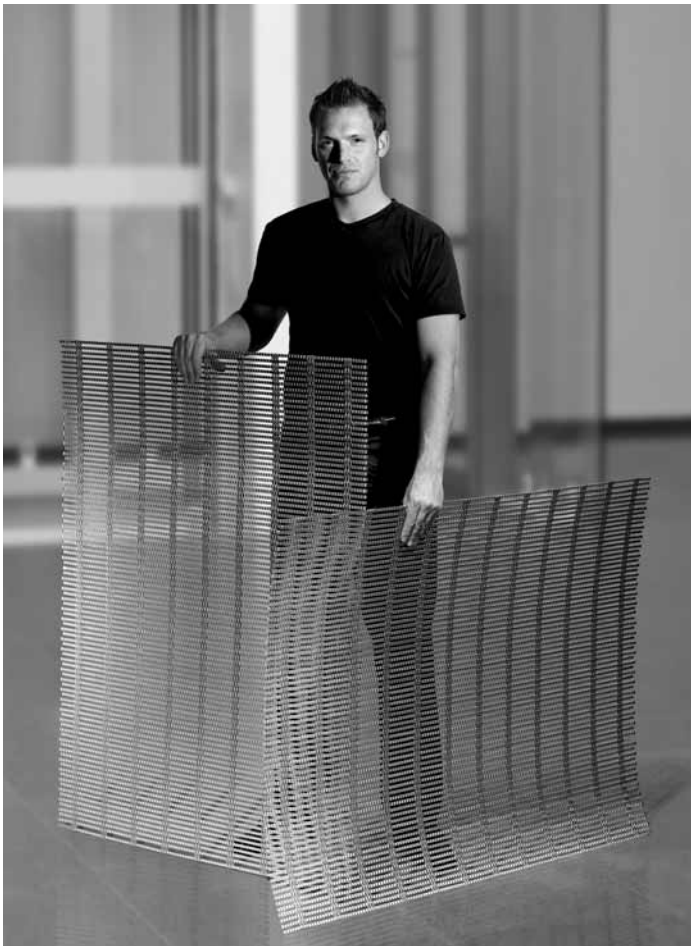
- façade construction
- protective guard rails
- car park façades
- sound absorption and sun protection



Ceiling

Haver & Boecker Woven Wire Cloth offers an array of exciting design-oriented solutions for creative ceiling projects. With individual aesthetic features and reliable functionality:

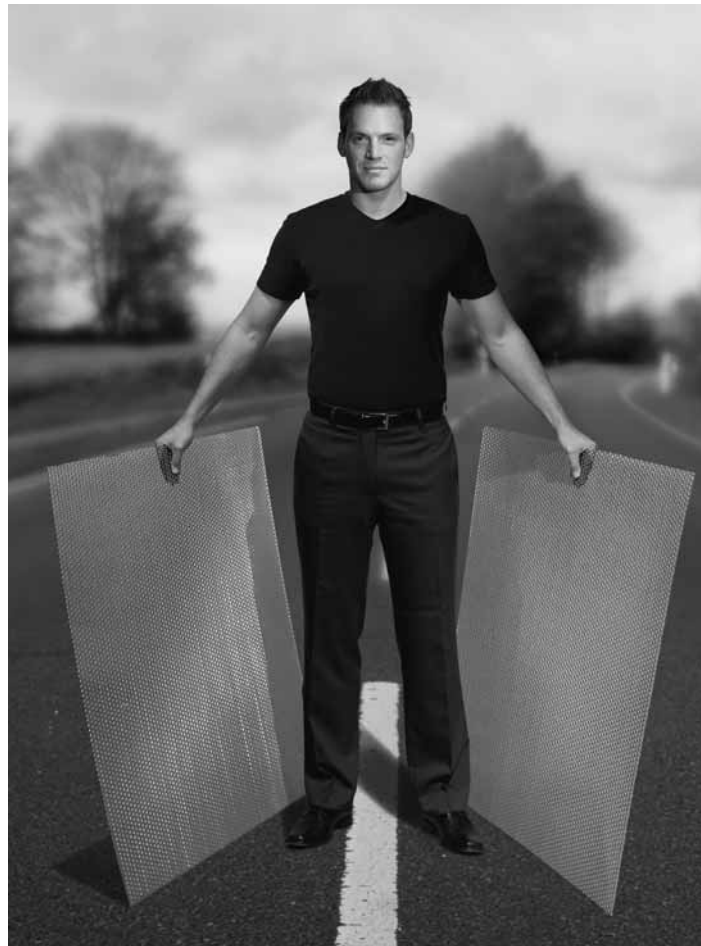
- segment-, roll- or frame-constructions
- integrated lighting systems
- acoustic systems
- enclosures concealing technical installations
- fire protection



Space

Versatility and stability, robustness and exclusive optical properties make Haver & Boecker Woven Wire Cloth the ideal material when designing spaces, surfaces and other functional elements for both interior and exterior applications.

- wall cladding and room dividers
- railings and balustrades
- exhibition and shop designs
- sun protection, sound absorption and acoustic systems
- signage, sculptures
- aviaries



Traffic

Extreme environmental conditions demand extra resistant wire cloth specifications. dB_A "Schallschutz und Raumakustik GmbH", part of the Haver & Boecker Group, have developed sophisticated sound absorption systems, that reduce noise levels by 10 dB and more.

- traffic facilities
- motorway constructions
- sound absorption systems

STEP BY STEP TOWARDS YOUR SUCCESS.



Haver & Boecker's process chain provides maximum transparency, flexibility and quality to realize your plans. From the first draft, to production and installation – through every step of the project – a diverse group of specialists is there to support you. When creativity and technology meet, your idea generates its own individuality.

Not only do you have the support of continuous professional service, you also have the option to explore new aspects of your design in greater depth. You may introduce new ideas into the process at any given point in time.

Your scheme will be allocated a specific project manager, who will be your personal contact at all times.

Should you choose to use the full extent of our capabilities, or only specific areas – we will support you with our experience, knowledge and state-of-the-art technology.

DEMONSTRATING THE PATH FORWARD.

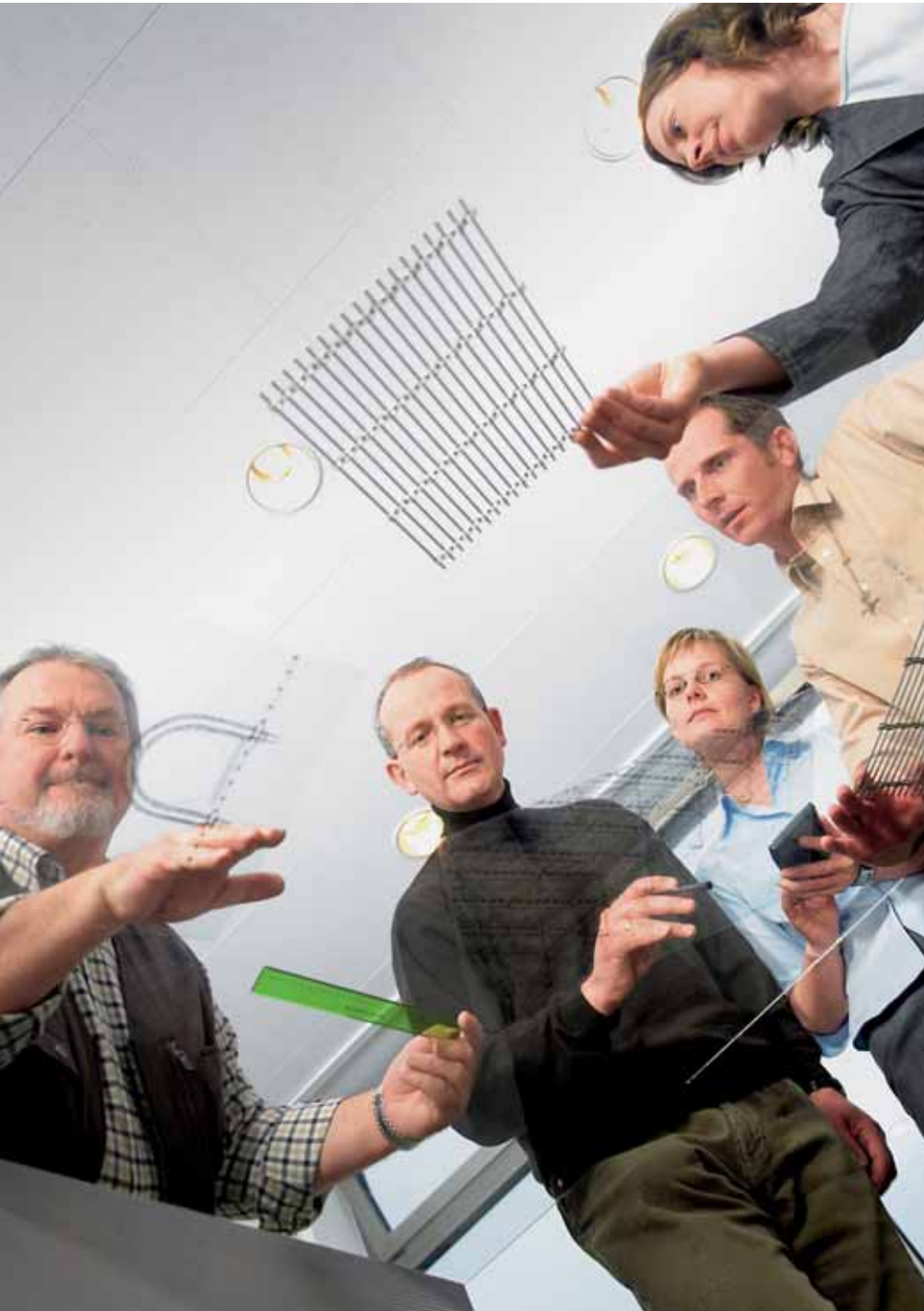
Each project has unique visual, technical and commercial requirements. To realize a project successfully, we consider possible solutions right at the start. Our team submits initial ideas and assists in the selection of

the most suitable wire cloth specification and appropriate mounting system. Using CAD-based simulations, drawings, samples and models we illustrate the solutions, taking into account the required specifica-

tions and technical feasibility. At the same time, cost indications are provided. These facilitate your budget planning whilst leaving room for potential modifications.



CAREFUL PLANNING – TO THE LAST DETAIL.



From the development of the initial design through to placing the order, our engineering department creates detail and system drawings. Our documentation can be supported by preliminary structural calculations and – if requested – we can help you to draft the tender.

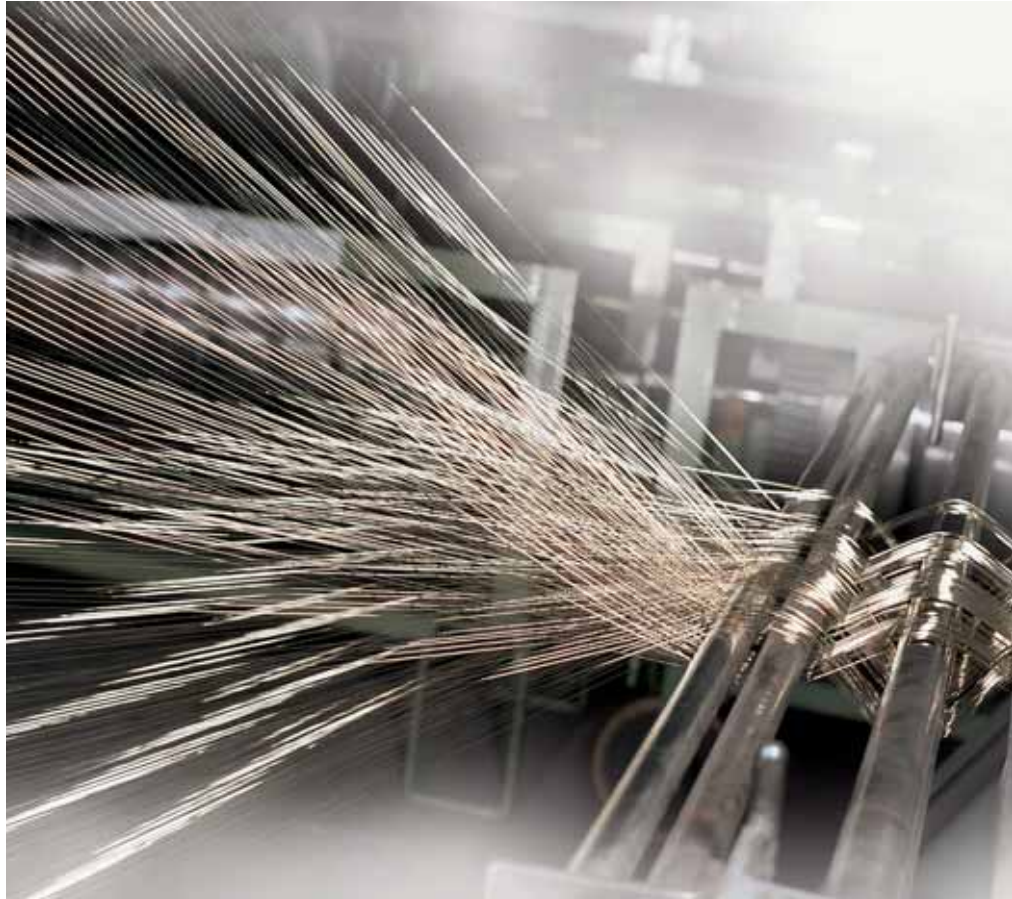
Besides the technical aspects of the design, at this stage, commercial terms are discussed with the appointed contractor or the operating company. This includes confirming delivery schedules, reviewing packaging and transportation issues in order to guarantee a smooth and on time installation. Once all items regarding the complete package have been thoroughly examined, we prepare a detailed quotation confirming all agreed project requirements.

FROM PLANNING – INTO PRODUCTION.

Immediately after awarding the order to Haver & Boecker, production preparations begin. The exact dimensions of the elements are confirmed and detailed manufacturing drawings are then created. Using advanced manufacturing, raw material and machinery resource scheduling, the required production planning is finalized.

The next step is the set-up of the machines. A crucial process, which, along with state-of-the-art technology and machines, requires highly skilled and experienced staff.

In-house engineering and machine construction ensure that the weaving equipment used meets or exceeds the highest standards. Production capabilities encompass all weavable alloys with a wide selection of many different types of wire cloth specific to your needs.



In combination with our large on-hand inventory of wire cloth specifications, we can offer an especially economic and efficient job turnaround. While production is ongoing, the first ready-to-install panels are

fabricated and cleaned with our specially developed ultrasonic system. To achieve special visual effects, the surface of the wire cloth can be designed to be glossy, matt or coloured.

READY ON TIME, AND SAFELY INSTALLED.

Even before production of your order commences, we begin planning the delivery. Some orders may be requested to be part-delivered, for ease of installation, and in these cases we work to an agreed time-schedule and deliver according to your request. In our packaging and

crating department, we build custom-made packaging for each order, taking care that every single element is properly protected. This ensures that the wire cloth arrives safely on-site and in best possible condition. Delivery is conducted by qualified logistic partners, to locations all over

the world. The degree of installation support is up to you. It can be as little as a few words of advice from our experts, or as much as us handling the complete installation. We can support you every step of the way, even after the project has been accepted and handed-over.



CUSTOMER SATISFACTION EXTENDS INTO THE FUTURE.



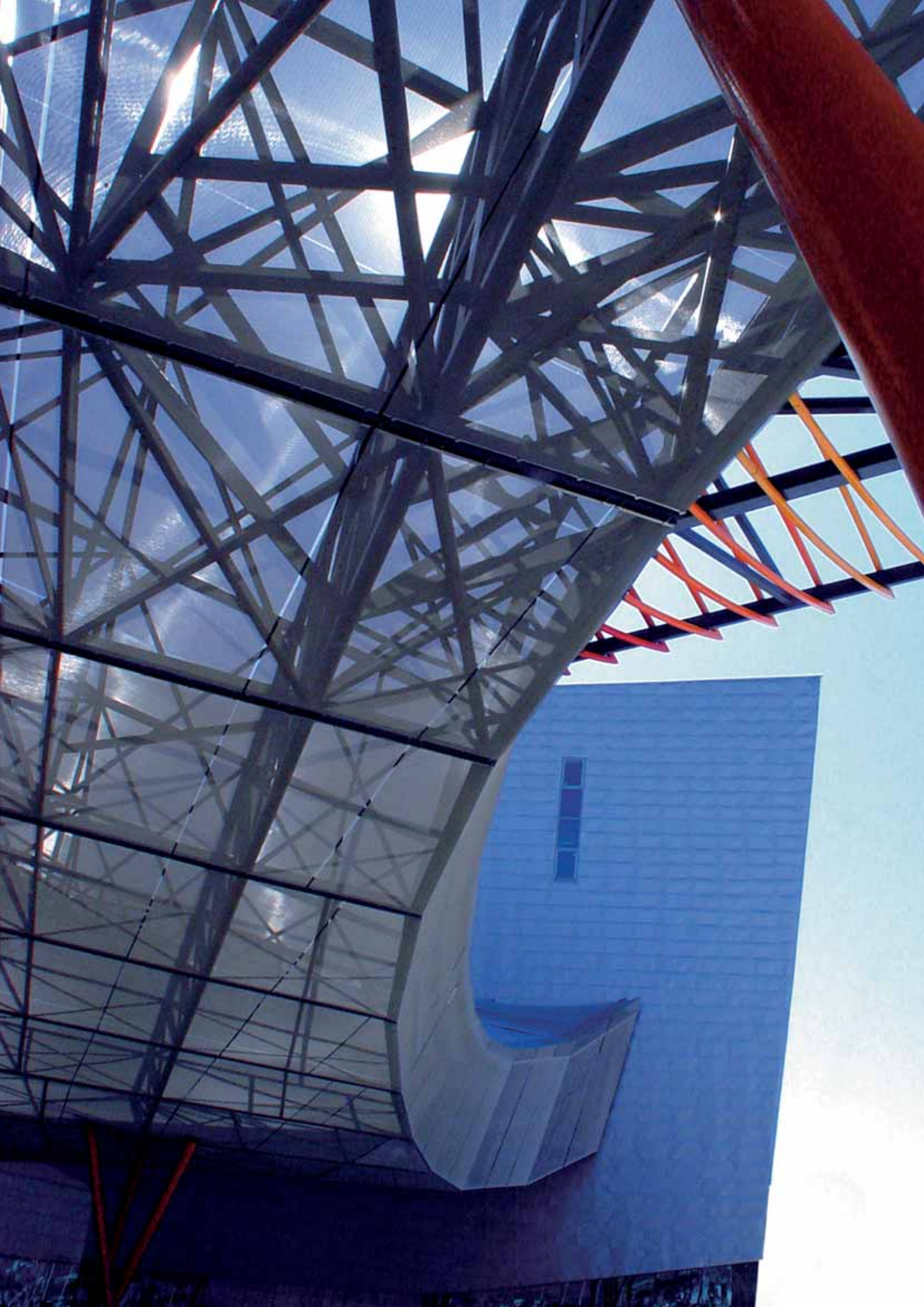
Cooperation does not end with the completion of a project, but continues into the future. Thus should there ever be any problems on the construction site at any time after delivery and installation, we are available to answer your questions and

to offer you support. You can enjoy a full warranty on products and quality fabrication on all of our supplied components. Should you ever require a material certificate for the installed wire cloth, this is not a problem either.

Wire cloth elements from Haver & Boecker are generally maintenance-free, therefore special cleaning is not necessarily required. Should extreme environmental conditions ever make cleaning inevitable, we are available to support you as well, even on site.

In the future, should the wire cloth become damaged for any reason, we can quickly offer assistance. Due to the modular design of Haver & Boecker Wire Cloth elements, we can quickly refer back to the project documentation and decide, with the project management team, on the best course of action. Our wire cloth assemblies can be re-paired easily, quickly and cost-effectively: Only the damaged elements need to be replaced.

It is that simple!





BEST RECOMMENDATIONS FROM GOOD EXPERIENCES.

*"Architecture is the dialogue
between the building itself and
the surrounding culture."
Angel Asenjo, E-Malaga*

EXHIBITION AND CONFERENCE CENTRE, MALAGA (SPAIN)

Like a fish in the waves of an ocean – inspired by this Mediterranean concept, architect Angel Asenjo created the Exhibition and Congress Centre in Malaga. Built over a period of approximately four years, this magnificent building now boasts over 62,000 square metres of exclusive space for exhibitions, conferences, restaurants and other functions.

The eye-catching feature of this building is the vast canopy on the main sea front façade. It provides effective sun protection and with its wave-shape, perfectly continues the architectural concept. Over 130 meters in

length and 20 meters wide, approximately 400 wire cloth elements of differing formats and geometries cover the surface area of over 5,500 square meters.

Made from DOKA-MONO 1601 the lengths of the single trapezoidal elements vary from one to 25 meters. They are attached to the framework using the Haver & Boecker tension profile and clevis screw system. In the foyer and entrance hall ceiling elements made from the same material complement the aesthetics of the façade design.

Haver & Boecker conducted on-site measuring, manufacturing and fabrication, thus guaranteeing that every single element was precisely tailored and tensioned. The delivery to site and the support during the start up of the installation by the Haver & Boecker team secured a smooth and on time installation.

EXHIBITION CENTRE CAR PARK, VIENNA (AUSTRIA)

To follow the curvature of the façade and to maintain the open feel, the design team opted for woven wire cloth elements. Haver & Boecker specially created MULTI-BARRETTE 8144 to achieve the required large open area and developed a special mounting system using continuous bottom rods. The elements were polygonally aligned to fit the shape of the building.

*"A lively façade image:
Depending on the view-
ing angle – opened
or closed."
Projektteam Messe-
planung, A-Vienna*

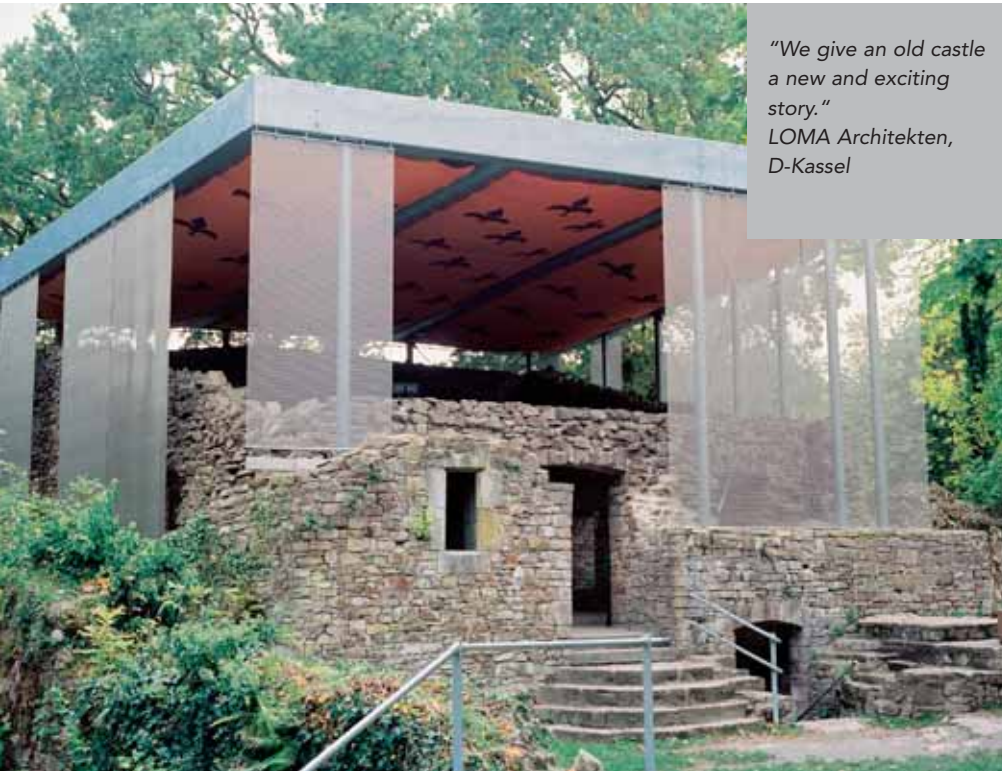


DÜSSELDORF AIRPORT, DÜSSELDORF (GERMANY)

The ceiling mounted sprinkler system is elegantly concealed behind non-combustible wire cloth elements, and at the same time is unimpaired in its functions. The wire cloth elements made from DOKAWELL-MONO 8965 cover an area of approximately 20,000 square metres. Each element was individually tested in our factory for uniform sagging. The unique fixing system uses slotted profiles and allows each individual element to be easily moved for access and maintenance work.

*"Simply brilliant how
exclusive design, fire
protection and easy
maintenance can be
combined"
J.S.K., D-Francfort*

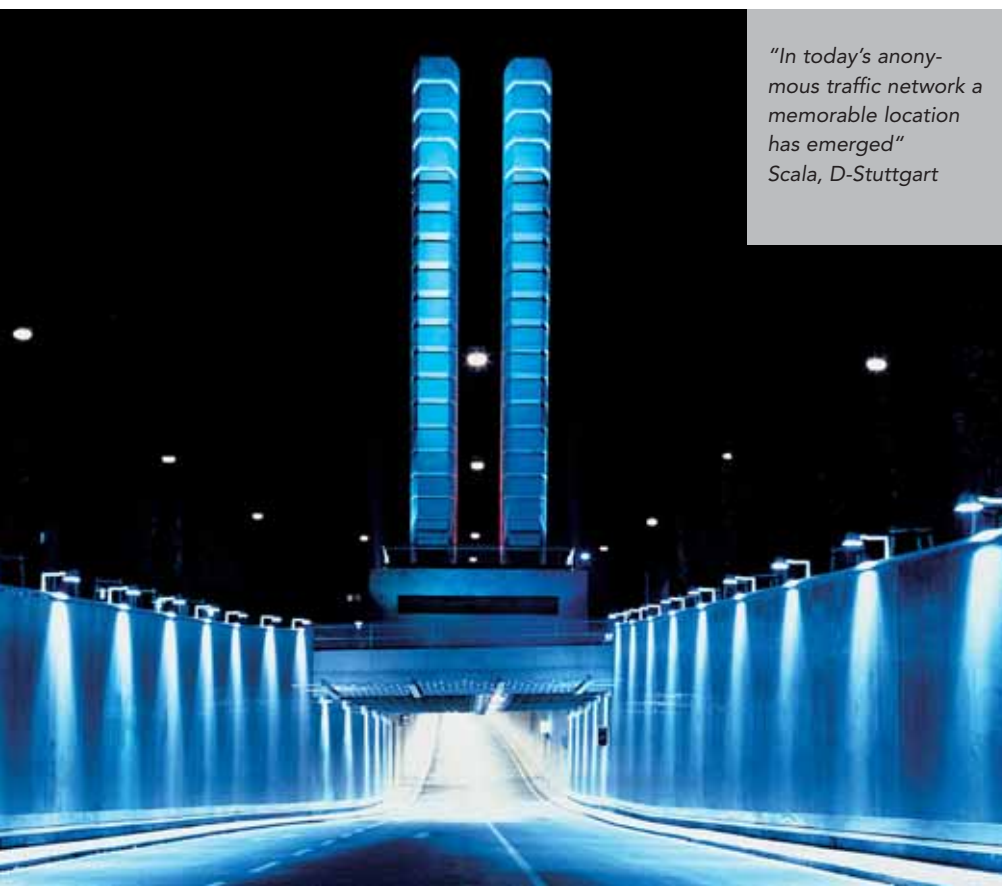




"We give an old castle a new and exciting story."
LOMA Architekten,
D-Kassel

CASTLE, VLOTHO (GERMANY)

This medieval ruin was partially reconstructed using steel beam construction. The ensemble was complemented with new buildings. The "Palas" and the transmitting tower were clad with wire cloth elements of EGLA-TWIN 4253, which trace the volume of the structure and emphasize the character of the masonry in a modern way. This project comprised the installation by a Haver & Boecker Team and the development of suitable mounting techniques.



"In today's anonymous traffic network a memorable location has emerged"
Scala, D-Stuttgart

TUNNEL, FELLBACH (GERMANY)

The ramps of the tunnel are clad with sound absorbing stainless steel mesh panels, its texture reflects shimmering light. Elements made from EGLA-MONO 4211 have been specially woven to counter the demanding environmental effects of traffic. An especially attractive synthesis of ambitious aesthetics and required functionality.

NO SITE IS OUT OF SIGHT.



Haver & Boecker has actively influenced the technology of wire weaving since its beginning. As a result of our successful company history, today we are able to offer our customers the benefit of our unrivalled experience, technology and know-how about

wire cloth. Whether science or research, industry or architecture – wherever Haver & Boecker wire cloth is used, our customers benefit from a broad but still unique individual service.

With our worldwide weaving network we offer the comforting certainty to be your competent and reliable partner at any time and any place. So as to continue WEAVING IDEAS in time to come.

THE WIRE WEAVERS SINCE 1887.

1887–1912

Carl Haver and Eduard Boecker founded the company in Hohenlimburg.

- mechanization of wire weaving looms
- 1897 company relocated to Oelde/Westphalia
- recommencement and extension of the product range with wire ties for open paper and jute bags used in the cement industry

1913–1937

First overseas contacts start and extend export activities.

- acquisition of licences for the construction of weaving looms, packing and screening machines
- 1925 foundation of the Machinery Division and manufacturing of the first packing machine
- further development and design of mechanical looms

1938–1962

High performance products and machines are developed.

- standardisation of woven wire cloth
- manufacture of the finest woven wire cloth in the world: 540 Mesh with 45,000 openings per cm
- first BBC impeller type packer for filling of cement

1963–1987

Mechanical development and company expansion.

- set up of subsidiary companies and joint ventures
- set up of world-wide export in plant engineering
- 1980 delivery of Stainless Steel Wire Cloth (DOKAWELL) for the aviary at the Zoo Hellabrunn near Munich

1988–2007

The technological leadership is strengthened and developed.

- set-up and expansion of the Architectural Wire Cloth Product Line since the early 90's
- Quality Management System certified according to DIN EN ISO 9001-2000 allows reliable statements on quality, environmental and safety related questions and documents our goal to meet our customer requirements
- expansion of the distribution network in South America and Asia
- continuous technology development in order to increase product quality, productivity and product range

In 2007 Haver & Boecker operates production sites in Germany, Great Britain, Belgium, the USA, Canada and Brazil. More than 2,000 people work for the Group worldwide.

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