

Halls



# Halls

<b>Halls</b>	<b>05</b>	<b>Specific features</b>	<b>37</b>
Production halls	06	Facade	38
Industrial halls	09	Office	41
Warehouses	10	Technical equipment	42
Logistics halls	12	Energy solutions	49
		Outdoor facilities	50
<b>All-round support</b>	<b>15</b>	<b>Our promise</b>	<b>53</b>
Procedure	16	Quality	54
Team of experts	18	Sustainability	57
BIM	19	Locations	58
Downstream support	21	Product synergies	61
<b>System</b>	<b>23</b>	<b>Max Bögl</b>	<b>62</b>
Concept	25		
Construction	26		
<b>Construction phase</b>	<b>29</b>		
Manufacturing	30		
Processing	33		
Adherence to delivery dates	34		









# Halls – Holistic

Whether production/commercial halls or warehouses/logistics halls with associated office units: We plan and build functional solutions for your utilisation concepts that support operating processes in a future-proof and economical way.

Highest quality, economic efficiency and individuality are the hallmarks of our system construction, with short construction times at the same time.

Optimizing

# Production halls

When it comes to the production of goods and merchandise, every industry – even every company – has different needs for the location. We take these needs into account during the planning process to ensure efficient processes.

Integral planning is the key word here. Our project manager bridges the gap between the technical building services equipment in our scope of supply and the services you may commission directly – such as the installation of special machines and production facilities. We coordinate all interfaces and take care of the professional installation of your installations.

## Selected references:

- Stemke production plant in Mochau – 6,550 m<sup>2</sup> GFA
- Troy production hall in Chemnitz – 30,000 m<sup>2</sup> GFA
- Malva production hall in Gera – 21,600 m<sup>2</sup> GFA













Versatile

# Industrial halls

Young companies and craft enterprises often find it difficult to find suitable industrial sites. A proven solution for this are so-called craftsmen's yards. Basically a larger commercial hall divided into different units. The individual companies can move into one or more of these, depending on their space requirements.

Trade with exhibition areas, outer packaging, warehouse, production, office and much more: We are aware of the diverse requirements of commercial halls and plan premises and technical equipment accordingly.

## Selected references:

- Pfälzer Erfrischungsgetränke industrial hall in Wörth – 60,500 m<sup>2</sup> GFA
- Hamberger Großmarkt industrial hall in Berlin – 18,500 m<sup>2</sup> GFA

Space saving

# Warehouses

Our system-built warehouses not only offer space for your goods and materials, but also meet the highest fire protection requirements and other legal requirements – even for special warehouses with refrigeration or for hazardous materials.

In addition, we support you in the selection of technical hall equipment. Whether simple shelving racks or motor-driven mobile racking systems – we find the optimum balance between functionality, economy and storage space for your needs.

## Selected references:

- HTI central warehouse in Röttenbach – 14,180 m<sup>2</sup> GFA
- Ebeling warehouse in Wedemark – 8,940 m<sup>2</sup> GFA







Meshing

# Logistics halls

In the fast-moving world of logistics, processes must mesh perfectly in order to make goods available at the right place at the right time.

We at Max Bögl help you to create the right premises for this – no matter whether small logistics hall, large logistics centre or heavy-duty logistics terminal. Around 3,000,000 m<sup>2</sup> of successfully realised logistics hall space in the last ten years alone have made us a full-service professional for your property.







### Selected references:

- Kübler heavy-duty loading hall in Mannheim – 3,850 m<sup>2</sup> GFA
- Hegmann logistics hall in Voerde – 14,750 m<sup>2</sup> GFA
- Immogate logistics centre in Parsdorf – 34,000 m<sup>2</sup> GFA
- Gazeley logistics centre, construction phase I & II in Winsen (Luhe) – 128,000 m<sup>2</sup> GFA







## All-round support – All-embracing

From A to Z – Max Bögl offers not only pure construction services for halls with existing execution planning, but also consulting and planning throughout all project phases. Thus you can configure your hall individually with our experts

and adapt it to your special needs. In this way, we generate economic added value especially for customers without their own construction department.

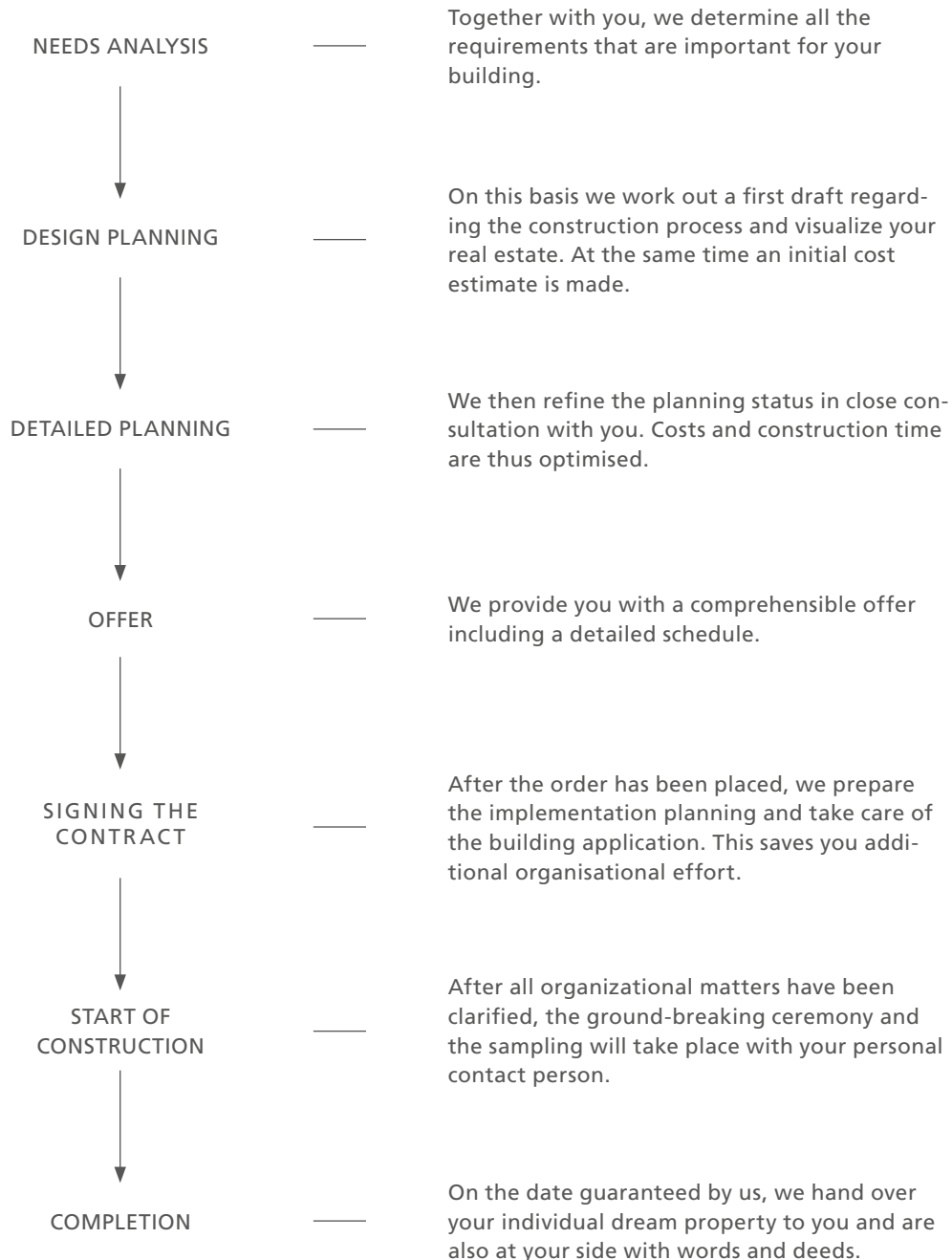
More than a construction company

# Procedure

For the construction of halls at Max Bögl, a procedure in seven process steps has proven itself over the course of time. This systematic approach gives you additional planning security in the complex construction world. Of course, we leave sufficient space within our system for your individual needs.

For example, we can adapt individual process steps or the system including design according to your wishes. This is made possible by our many years of experience in project management and in the manufacture of precisely fitting finished parts.





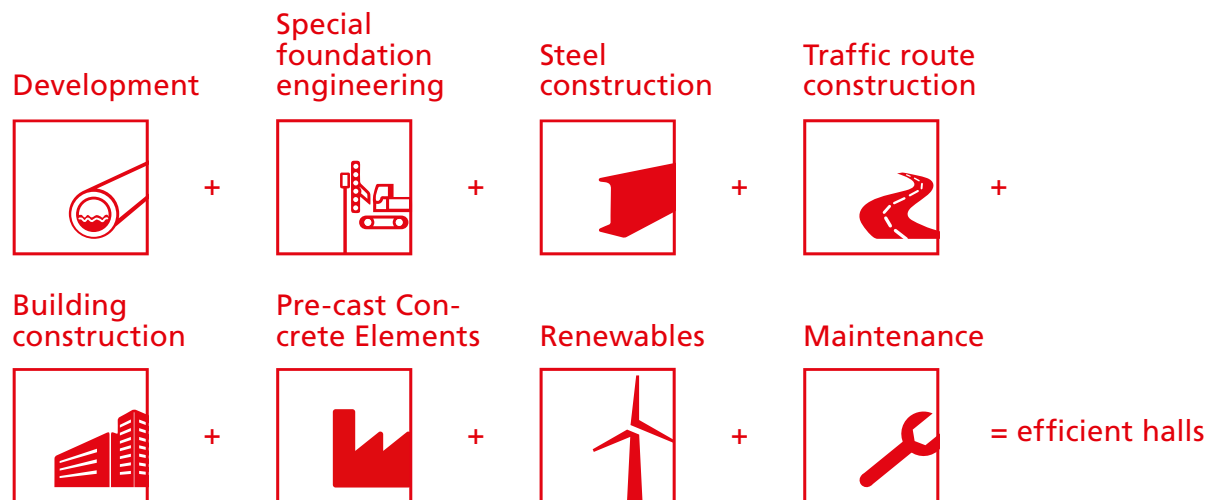


Know how

# Team of experts

A team of specialists consisting of planning experts and executing specialists is at your disposal for your project. These experts consist of all divisions of the Max Bögl Group. So you can enjoy detailed and expert advice.

Your project team is available for you at any time and, if necessary, quickly on site, because our branches are spread across the whole of Germany. In addition to efficient co-operation, you can also rely on precise knowledge of your region.





## Transparency

# BIM

Our digital planning with Building Information Modeling (BIM) gives you an accurate picture of the entire construction project right from the start. The software-based planning not only gives you information about the dimensions of the building, but also about costs and time planning.

Even if you consider adjustments during the construction phase, you will receive accurate information about any effects.

You know all the details of your construction project at all times.

- Constant and up-to-date overview of deadlines, costs and quality
- Optimal transparency for all parties involved in all project phases







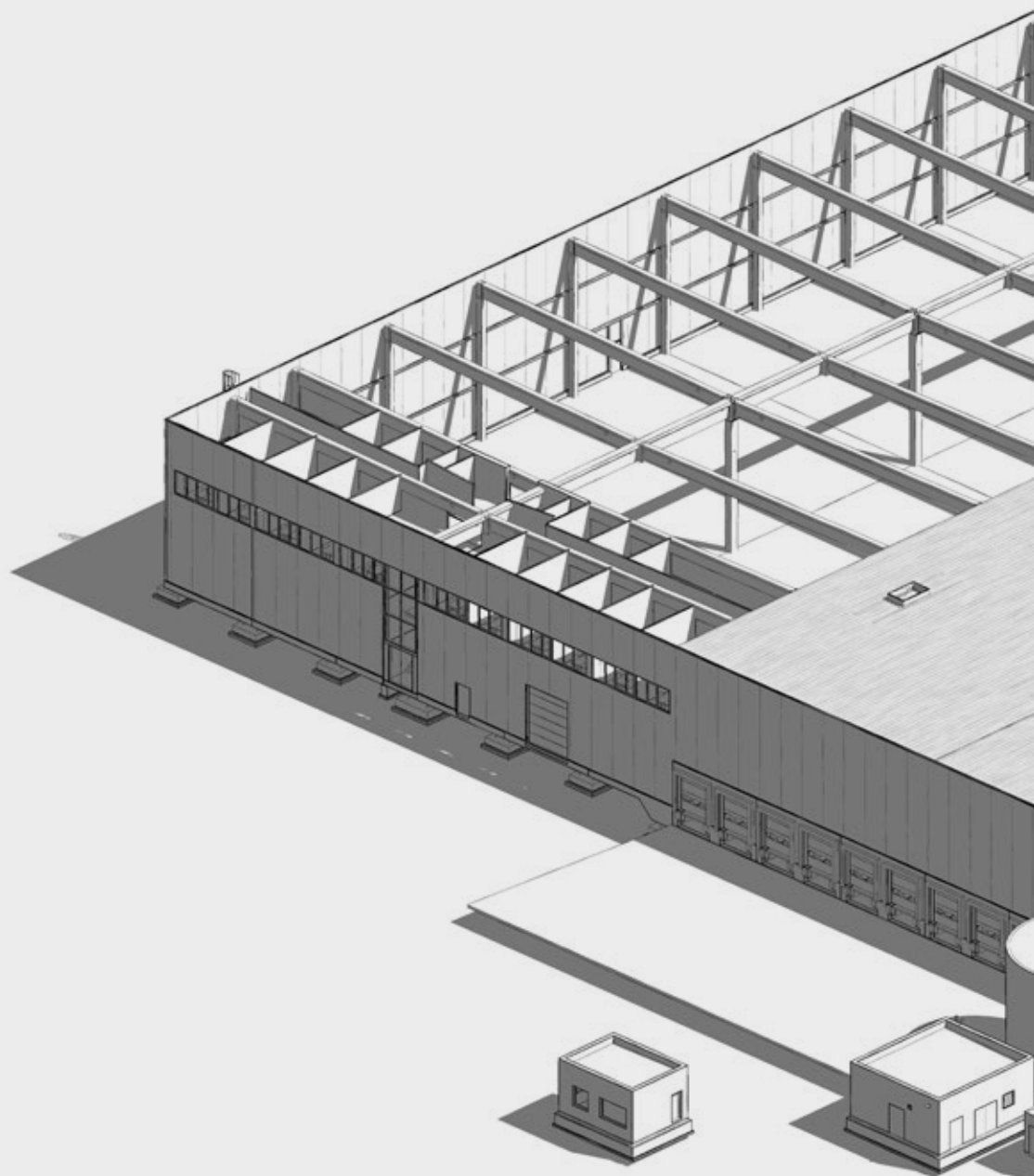
Reachability

## Downstream support

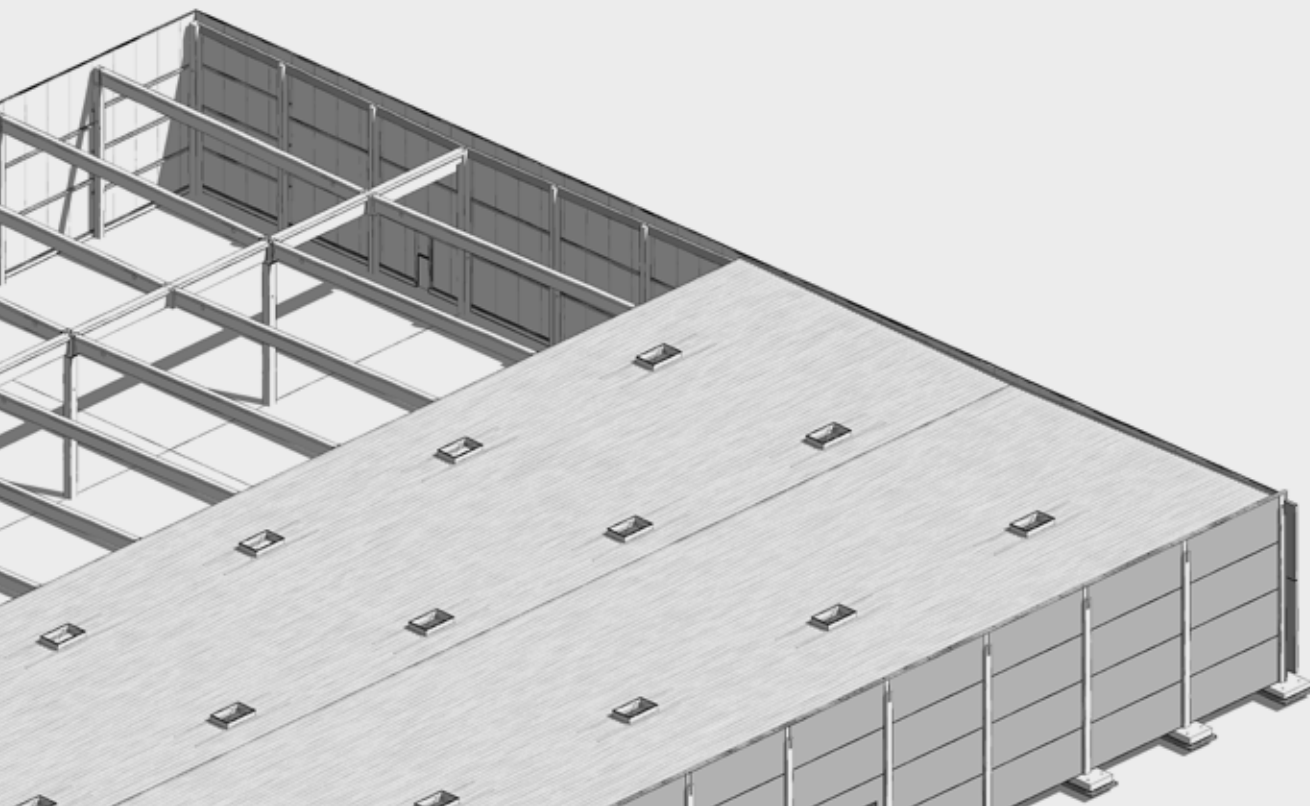
Our customer service does not end with the installation of the last building block of your hall or with the expiry of the warranty, because your long-term enjoyment of a high-quality property is our claim.

For subsequent change requests, extension plans or other requests, a well-known contact person is always available to take care of your concerns.

- Extension and change requests
- Long-term, personal contact person
- Short response times







## System – Accelerating

The hall, which is tailored to your individual requirements, conceals a sophisticated system construction. In particular, repetitive precast concrete elements, such as columns and

beams, are prefabricated in our plants and delivered just in time. Among other things, this enables us to guarantee cost-effectiveness, adherence to delivery dates and quality.





Efficient

# Concept

We understand system construction to be more than the mere prefabrication of repetitive components – for us, the systematic construction of halls and offices is a way of working and a comprehensive concept.

By systematically approaching all steps from planning to handover with clear specifications, we can guarantee adherence to delivery dates, the highest quality and thus your satisfaction.

Nevertheless, with our system we maintain enough freedom for your individual wishes, so that you receive a property that is exactly tailored to your needs.

## Systematic planning

- Modular system for individual architecture
- Holistic planning for maximum transparency
- Early logistic concept for guaranteed adherence to delivery dates

## Systematic manufacturing

- High degree of prefabrication of all individual parts
- Industrial production under constant process conditions
- Ongoing quality control of materials and equipment

## Systematized processes

- Simultaneous coordination of all production processes for interlocking processes
- On-schedule transport by our own fleet of vehicles
- Proven system grids for maximum cost-effectiveness
- Specially developed tool called „maxlandkarte“ for standardized project management for optimal control and transparency

## Systematized supporting structure

- Large standard ranges of 18 x 24 m offer creative and technical freedom. Alternatively we are able to produce concrete beams up to a length of 52 m with the help of our own highly efficient plants.
- Precisely fitting fusion of the prefabricated individual parts to form one efficient building
- Short construction time with perfect quality

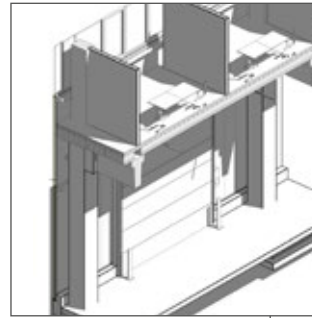
## Sophisticated Construction

You can imagine our construction as a construction kit of individual building blocks. The respective components of a hall – columns, beams, etc. – always fit into each other and can thus be connected and extended at will. In this way, new buildings are created time and again – depending on your personal design wishes.

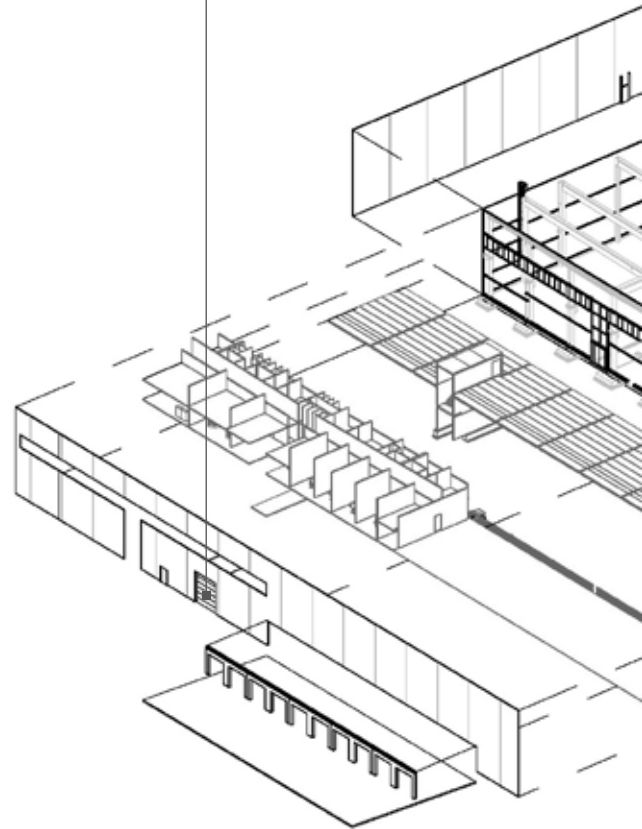
This construction method can be used for both very large and manageable properties – the system is simply adapted.

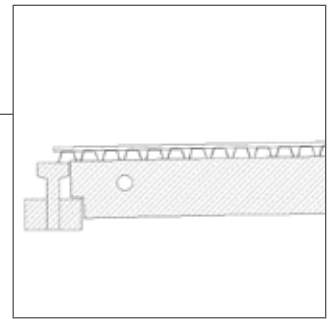
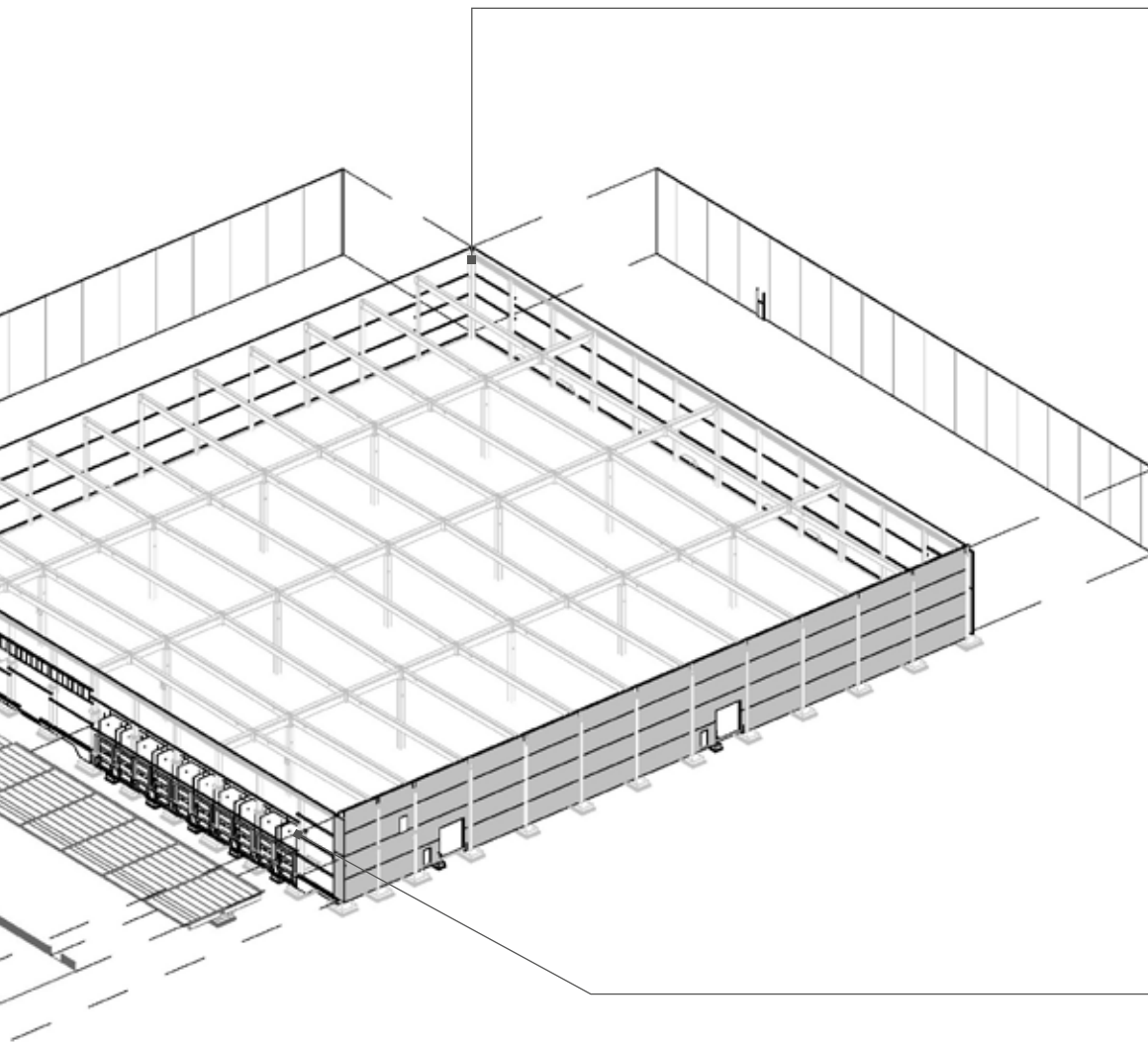
Our system is made of concrete as standard. Of course, steel or hybrid constructions with other roof types are also possible on request and are produced economically in our own factories.

- Different design possibilities due to the modular design principle
- Standard roof construction as suspended roof with concrete girder
- Flexible extension of the building

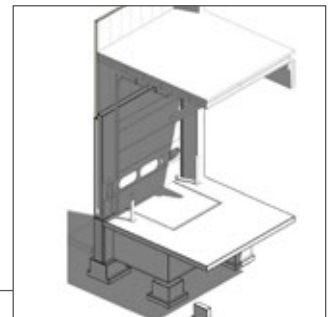


Sectional door with  
internal office mezzanine





Suspended roof with  
concrete girder



Dock leveller





A photograph of two construction workers in safety gear (hard hats and high-visibility vests) standing on a construction site. They are looking at each other and talking. The background shows a clear blue sky and some construction structures. The image is used as a background for the text overlay.

# Construction phase – Systematic

We also operate systematically during the construction phase itself and have established processes – such as our maxlandkarte – which help us to maintain transparency

throughout the entire construction period for all project participants. This enables us to hand over a building at the agreed time and in the best quality.

Made in Germany

# Fabrication

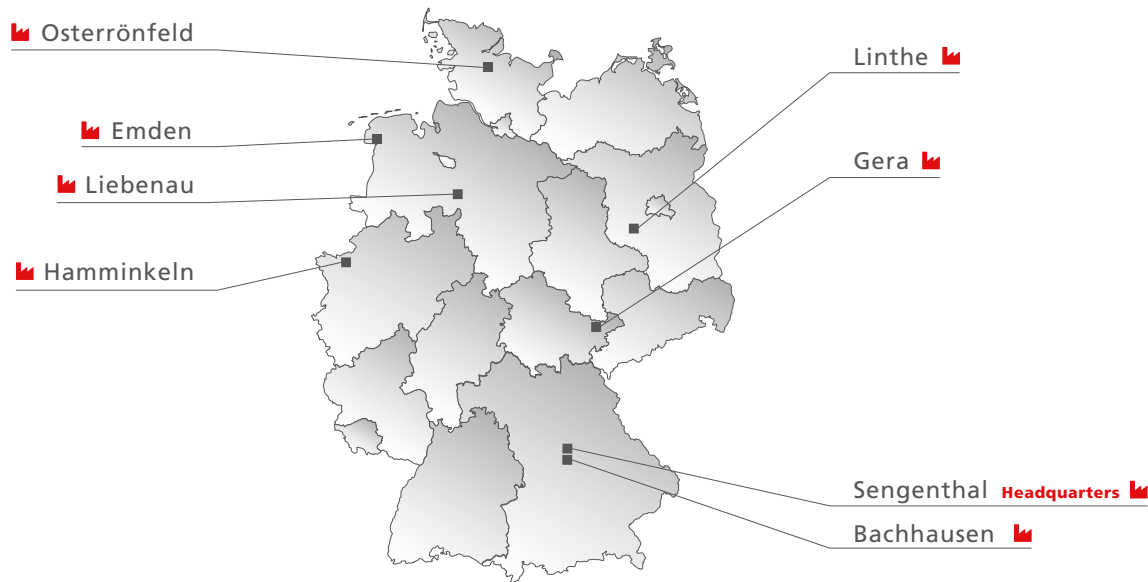
We manufacture the components for your hall exclusively in Germany at one of our seven production sites – depending on which is closest to the construction site. Your hall and your office are thus a regionally manufactured product.

Experienced engineers in our laboratory monitor the quality and continuously develop concrete formulations. This is largely based on raw materials that we have extracted ourselves.

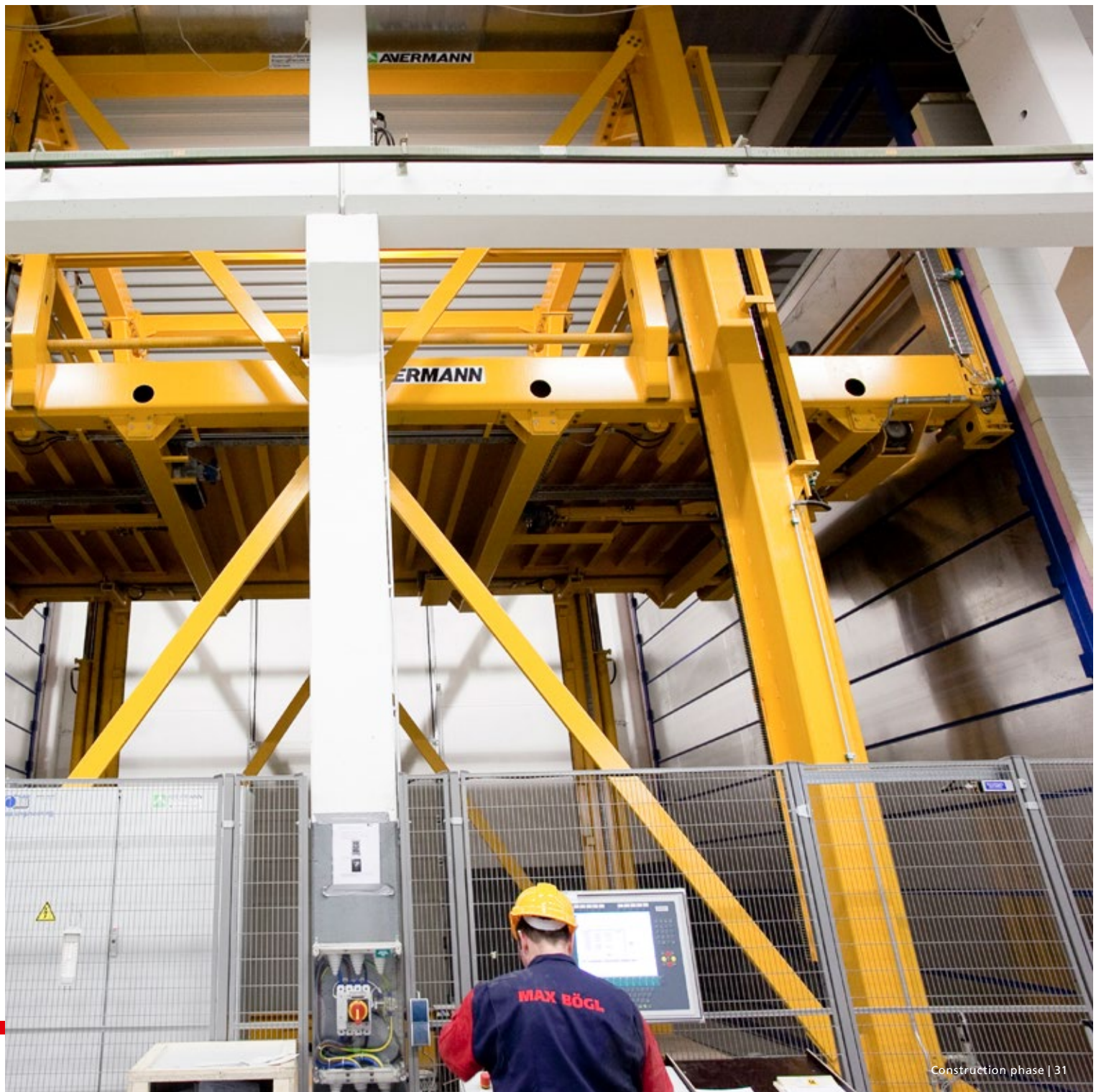
This enables us to guarantee compliance with the highest process standards and thus the best quality.

Performance in figures – our possible production quantities per year:

- ~900,000 tons of precast concrete parts
- ~40,000 tons of steel components















## Controlled Settlement

The high quality standards of Max Bögl are continued in the processing. A sophisticated logistics system ensures that the finished parts are delivered just in time from the factory to the construction site.

In addition, the responsible quality manager, in addition to the construction and project managers, monitors the work and ensures that high-quality, scheduled and on-schedule assembly is carried out.

All project participants adhere to the maxlandkarte, so that there is always an overview of completed, current and future execution steps. This not only ensures transparent processes and adherence to schedules, but also noticeably relieves our construction teams.



A promise

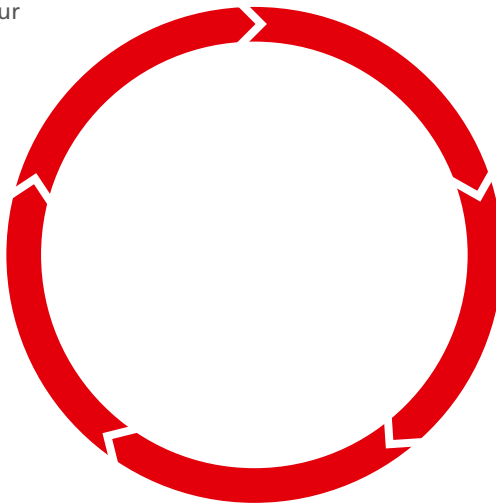
# Adherence to schedules

Already in the planning phase of your project we work out a detailed schedule. Compliance with the agreed milestones is ensured at all times by our comprehensive quality management, our many years of experience and the fact that we coordinate all work steps within the company.

- Weather-independent pre-production of components
- Just-in-time-delivery
- Standardized project management with the help of our maxlandkarte

Max Bögl plans your project in detail,

guarantees that your hall construction will be completed on the agreed date.



makes all appointments with you,

coordinates deliveries,

organizes all work steps,













# Specific features – Unique

The hall construction of Max Bögl does not only rely on economic and efficient prefabricated construction with highest quality. Each of our customers has individual challenges that have to be met.

Whether office buildings, technical equipment, outdoor facilities or special facades: Together we create solutions that inspire.







## Representative Facade

The facade of your hall is the calling card of the building. In addition to practical aspects, such as protection from weather influences or energy efficiency, it also meets aesthetic requirements. For your individual design you can choose from a variety of materials, colours and shapes.

- A wide variety of materials
- All colours
- Various patterns



Isopane facade



Cassette facade



Sheet metal facade



Sandwich facade



Sandwich facade



Sandwich facade





Systematized optional equipment

# Office

In addition to your hall space, we are also happy to plan and realise your office space. With our many years of experience in the construction of state-of-the-art office buildings, we create a tailor-made concept for you that ensures short distances and good communication.

The equipment of our offices for hall buildings is basically divided into the three lines Basic, Comfort and Premium, which all pursue one goal: optimal working conditions.

You remain flexible in the choice of your property and can combine equipment variants of the different areas as you wish.

- Integrated into the hall construction
- Affiliated as extension
- Completely separate as an independent building

Basic



Comfort



Premium



Sustainable

# Technical equipment

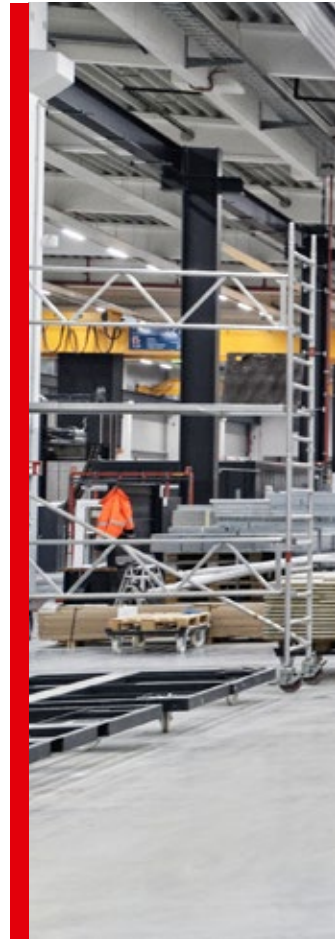
The technical equipment gives life to your building. Components tailored precisely to your individual processes make you efficient.

Thanks to a number of halls that have been built to meet a wide variety of requirements, we know what is important – also with regard to sustainable energy supply. We can provide you with comprehensive advice on this.

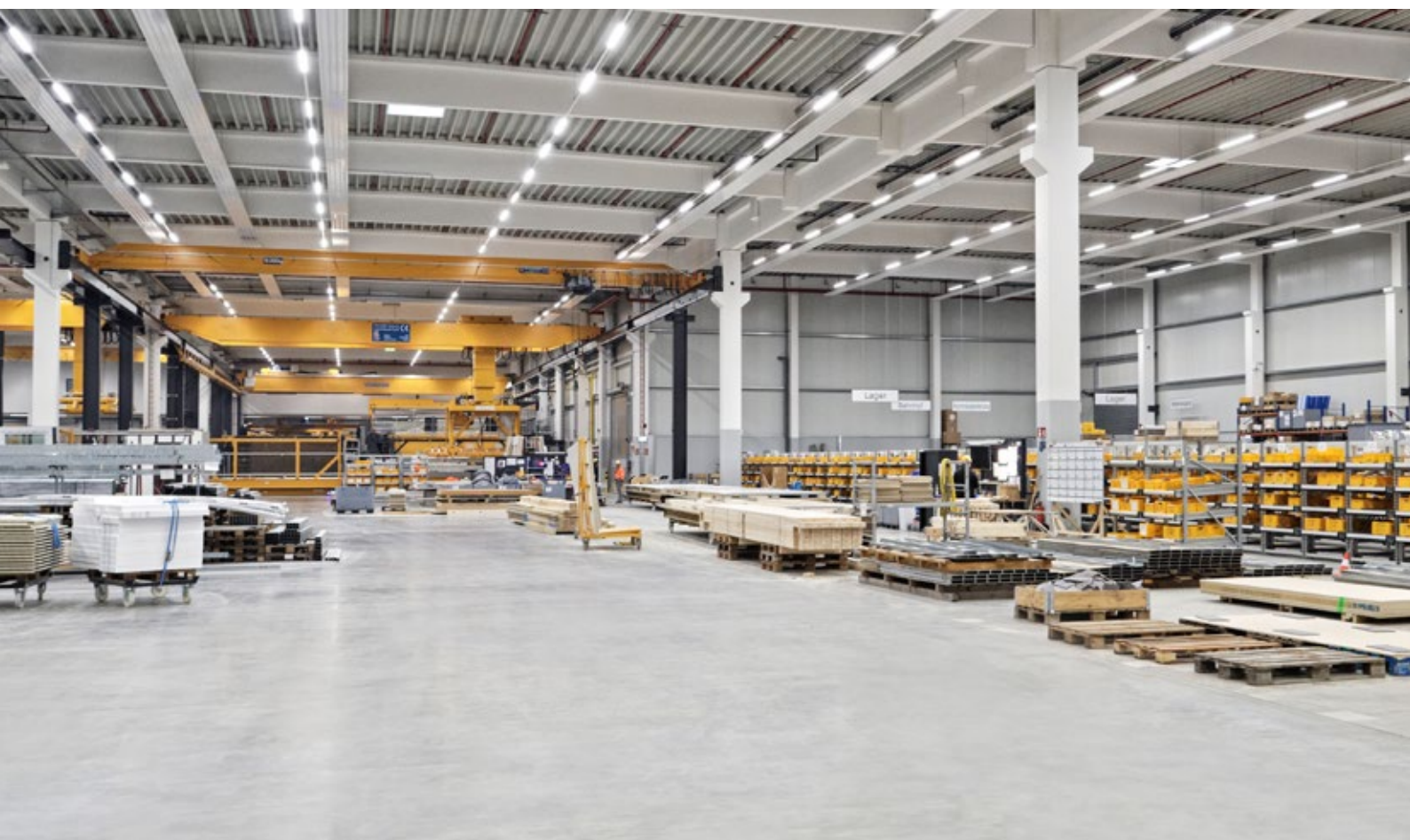
## Supply technology

Our experts from the field of supply technology are firmly involved right from the first planning steps and provide impulses for building equipment that is optimally matched to your hall in a cross-departmental competence team.

- Cooling/Heating supply
- Ventilation
- Water incl. waste water
- Sprinkler system











## Electrical engineering

In the 21st century it is impossible to imagine life without a comprehensive electronic supply. All systems are powered by electricity and are essential for operational processes.

Our electrical engineers not only ensure an adequate power supply, but also make sure the right choice of efficient components is made – such as lighting.

- Power system
- Lighting
- Data technology
- Fire alarm system
- Video systems
- Building automation
- Burglar alarm system



## Hall equipment

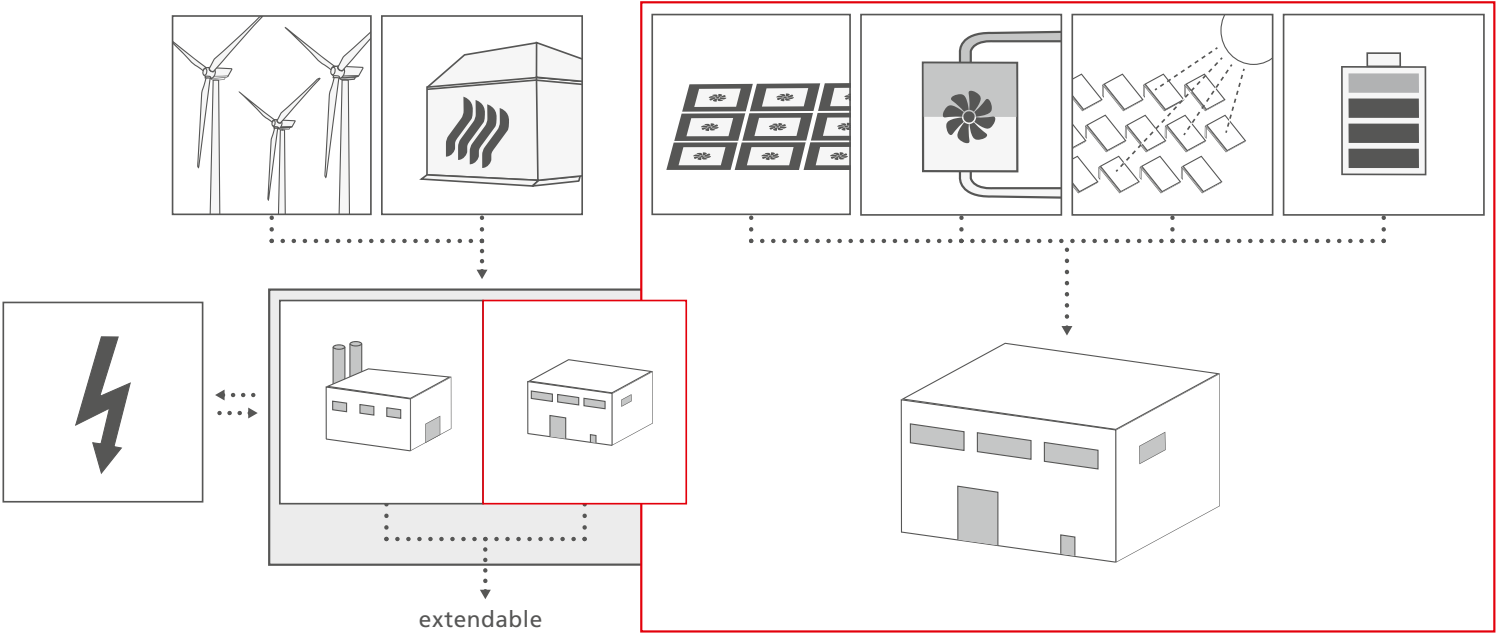
In order to ensure optimum work processes, suitable hall equipment is required.

Thanks to our extensive experience in building numerous halls for a wide variety of industries, we know what the specific requirements are. Whether you need a trimodal logistics hall including a mobile harbour crane with a load capacity of up to 500 tonnes or a rational warehouse with various racking systems – we will be happy to create a concept for the optimum hall equipment for you.

- Shelving
- Crane systems
- Floor coating









Efficient

# Energy solutions

The efficient integration of regenerative energy sources through intelligent energy concepts is an important building block for future-oriented construction. The central idea behind this is always to produce as much energy as possible ourselves and to use it in the best possible way. All technical, commercial and regulatory requirements and possibilities should be taken into account.

Due to the structural versatility as well as the high and often very individual energy and power requirements, the commercial and industrial sector in particular offers a wide range of possibilities for implementing efficient energy concepts. By taking a holistic view beyond the individual building, it is even possible to sustainably influence the energy procurement costs of a branch or plant measured for load aisles.

Thus, for example, a large photovoltaic roof system in combination with energy storage devices and the intelligent control of consumers, such as heat pumps or e-charging stations, can not only reduce the amount of energy drawn from the grid, but also its load and the grid charges.

For the development of individual energy solutions, we combine our many years of know-how in the fields of renewables, direct marketing, the construction industry and our own experience in the operation of plants and buildings with decentralised energy generation plants.

Of course, we also include technologies such as photovoltaics, solar or green roofs in our considerations.

- Type of energy supply
- Consideration of the individual conditions on site
- Energy conservation
- Building simulations
- Certifications
- Grants

Meeting demand

# Outside facilities

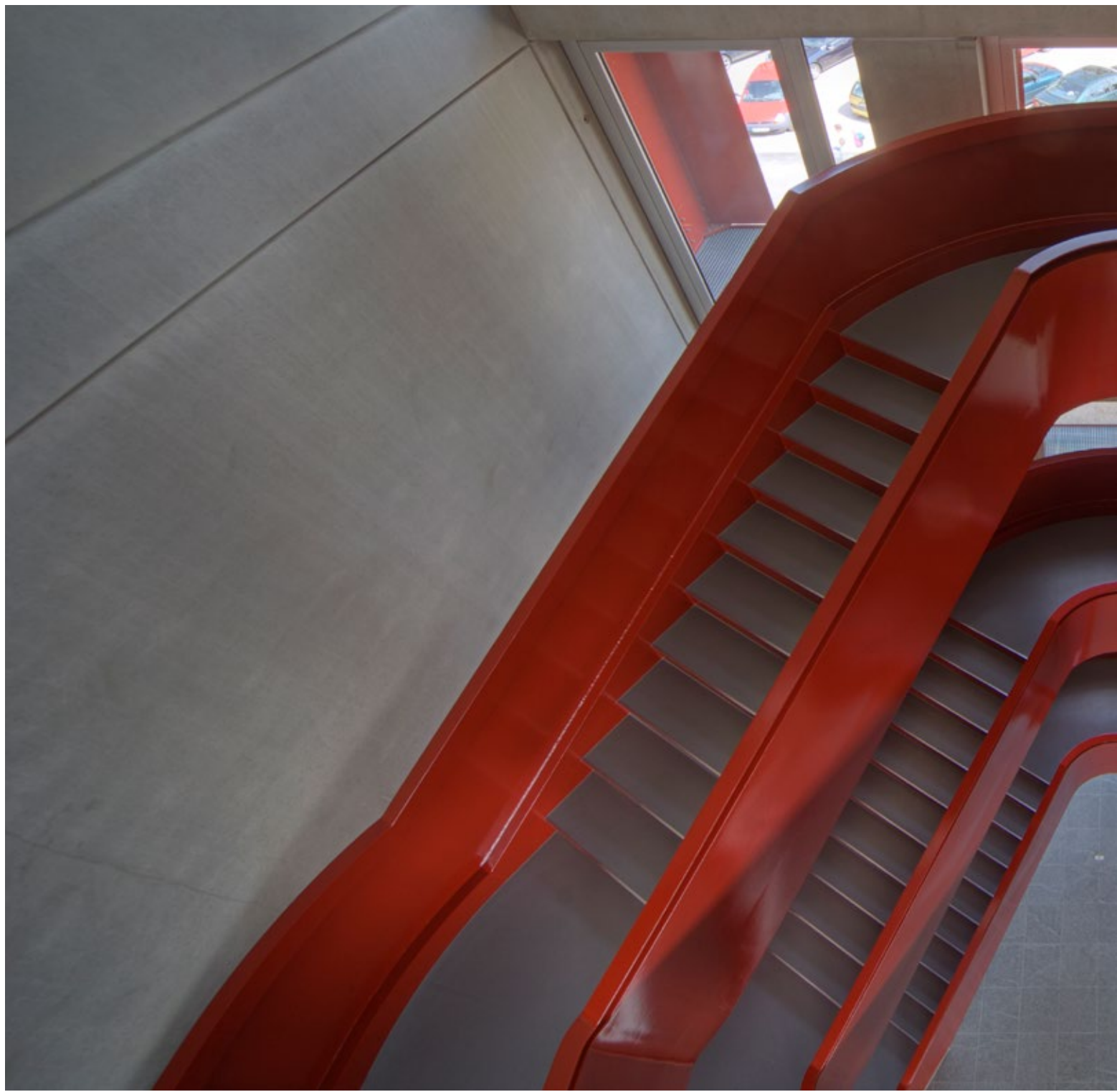
Everything from a single source: We also take care of the design around your building – from wide traffic routes to easy-care planting and safe fencing. With our bundled know-how in the field of infrastructure, we provide you with professional advice and make suggestions for a complete scenery.

- Fences
- Green areas with plants
- Parking spaces
- Dock levellers
- Traffic routes
- Illuminators
- Barrier systems











# Our promise – Promising for the future

We at Max Bögl are more than a construction company, we are your partner from the first idea to the completion of your hall and beyond. We stand above all for quality. It is extremely important to us to hand over a property to you that fully meets your expectations.

At the same time, we are aware of the resource consumption of the construction industry and pay attention to an ecological and sustainable way of working. In addition, due to our corporate structure, we can offer you a pronounced customer proximity with short distances and short reaction times as well as synergies with other business areas.

Our claim

# Quality

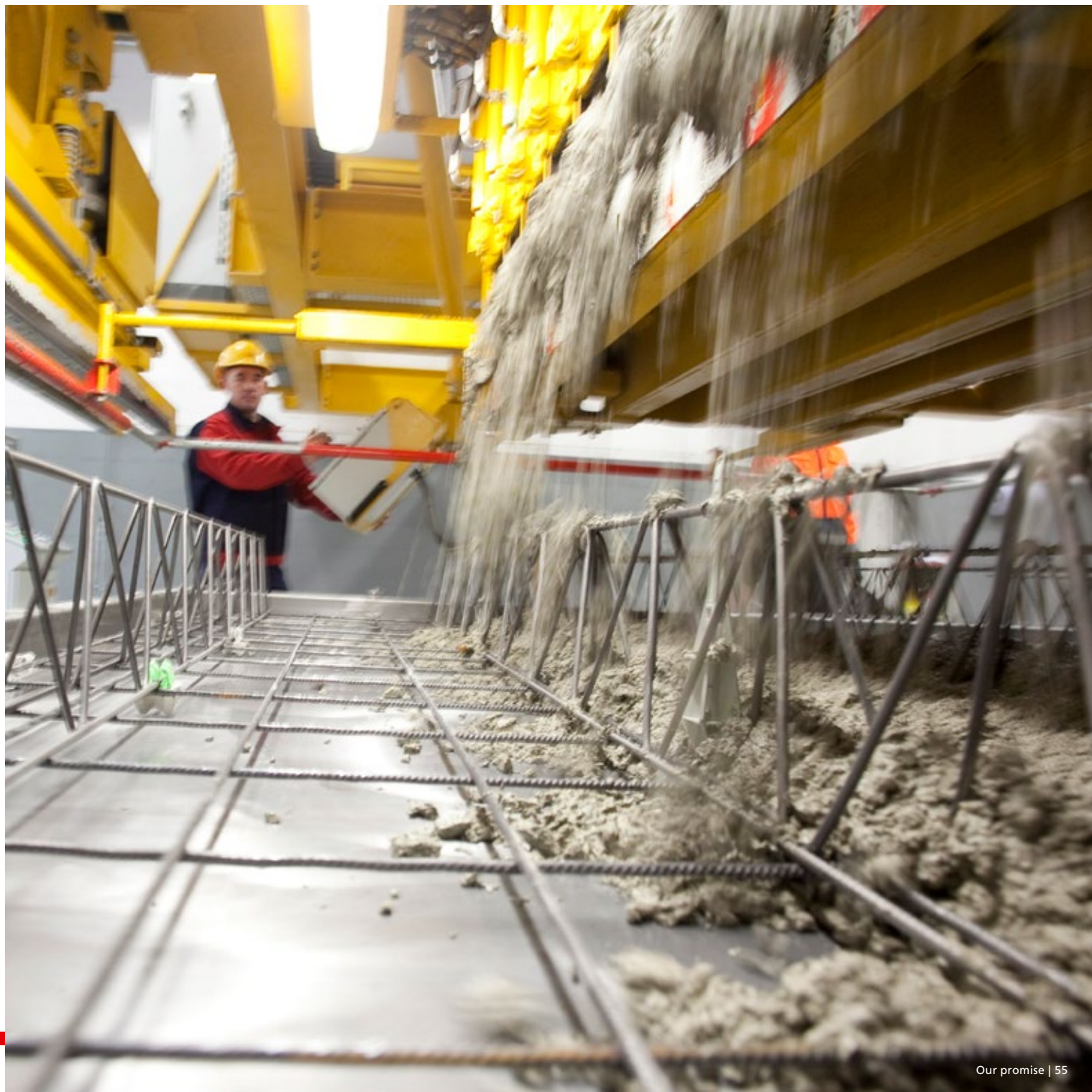
Max Bögl started in 1929 as a bricklayer's business and has continuously expanded his competences. Today the group of companies offers all services around your hall construction from one source.

We are not only one of the top 10 largest construction companies in Germany, we are also the market leader when it comes to quality. From consulting through planning to the construction of industrial properties, we have established a quality management system that is unique in the industry.

At Max Bögl, top quality is the result:

- One customer contact for integrated solutions – prefabricated parts, steel construction, transport and equipment, road construction and much more
- Own plants in Germany with highest standards
- Teams of experts, which are made up of different company divisions (for example, from work scheduling or TGA)
- Transparent processes and information for all project participants
- Decades of experience in building construction and especially in the construction of halls
- High proportion of own work, which includes deadlines, standards and positive influence on coordination channels
- Cooperation with long-standing, tried and tested partner companies









Responsible

# Sustainability

We want to play a pioneering role in the field of sustainability. We generate almost 100 % of the electricity required by our main plant in Sengenthal from renewables sources and distribute it via a smart grid structure. Our energy mix consists of 9.6 MW wind power, 2.5 MW photovoltaics and 1.5 MW battery storage, supplemented by innovative cell management.

In addition, our Research & Development department continuously develops sustainable products such as the hybrid tower and the water battery. Thanks to these and many other measures, we have been a driver of innovation for several years now and thus actively contribute to the positive change in the resource balance.

Especially in hall construction, properties built by Max Bögl have often been awarded prizes for sustainability. For example, the logistics complex of Immogate AG was awarded the Logix Award 2015. The jury was particularly impressed by the ecological aspects of the project and its suitability for third-party use.



Customer proximity

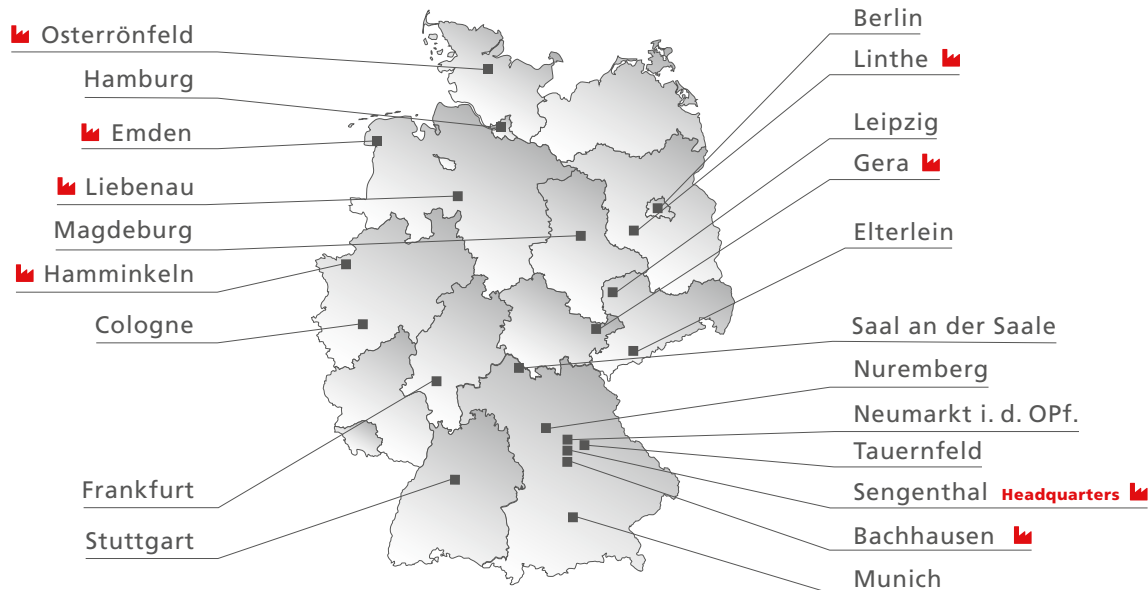
# Locations

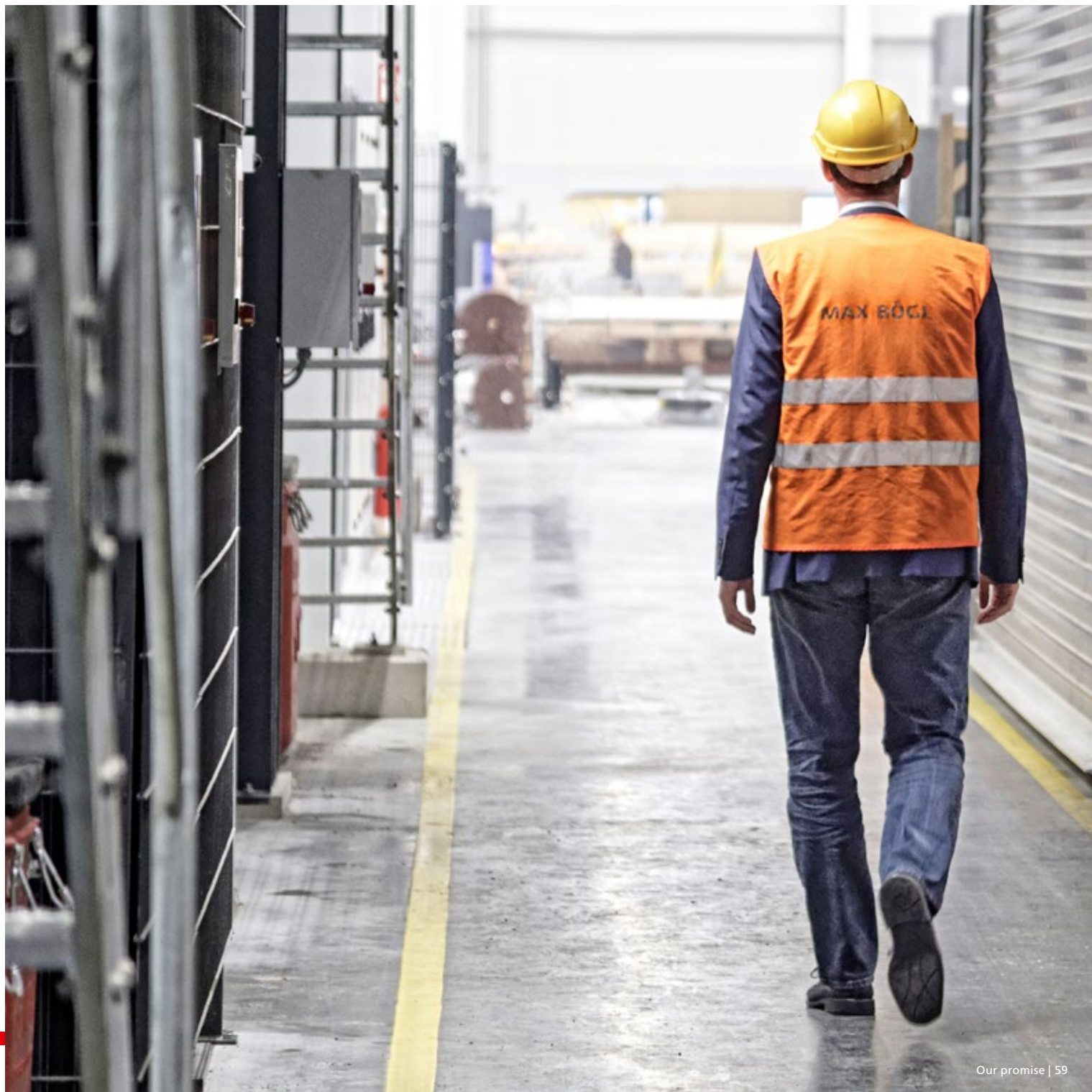
With 21 locations and eight of our own plants in Germany alone, we are always close to our customers.

As an efficient partner, we will convince you through close cooperation between the various divisions and the individual locations.

## Your advantages:

- Customer proximity through 21 locations
- Best quality due to seven own plants in Germany with highest quality standards
- Efficiency through cooperation and synergies between the individual divisions and locations













Advantageous

## Product synergies

Due to our versatile range of services, we are happy to offer you useful additions to your hall construction – in some cases even from other business areas.

From efficient energy solutions and our modular construction system maxmodul to system car parks – we provide you with professional advice and thus enable economic and organisational synergy effects.

- maxmodul
- Renewables
- System car parks
- Office building



## Max Bögl Group

With around 6,500 highly qualified employees at 40 locations worldwide and an annual turnover of over 2.6 billion euros, Max Bögl is one of the largest construction companies in the German construction industry. Since its foundation in 1929, the company's history has been characterized by innovative strength in research and technology – from tailor-made individual solutions to complete solutions that are sustainable in terms of construction technology and ecology.

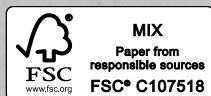
With forward-looking in-house developments on topics of our time, such as renewable energies, urbanization, mobility and infrastructure, the Group is already implementing solutions for the megatrends of our globalized world.

Based on its many years of experience and expertise in highprecision precast concrete construction, Max Bögl is also positioning itself as an important driving force in the development of innovative products, technologies and construction methods.

The broad range of services and the high level of vertical integration with our own steel construction, our own pre-fabrication plants, state-of-the-art fleet of vehicles and equipment as well as our own raw and construction materials guarantee the highest quality. The use of BIM, lean management/production and standardized project management ensures adherence to deadlines and cost-effectiveness from the initial concept idea to the finished construction product.



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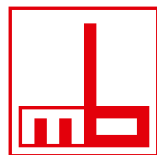
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**MAX BÖGL**

Progress is built on ideas.