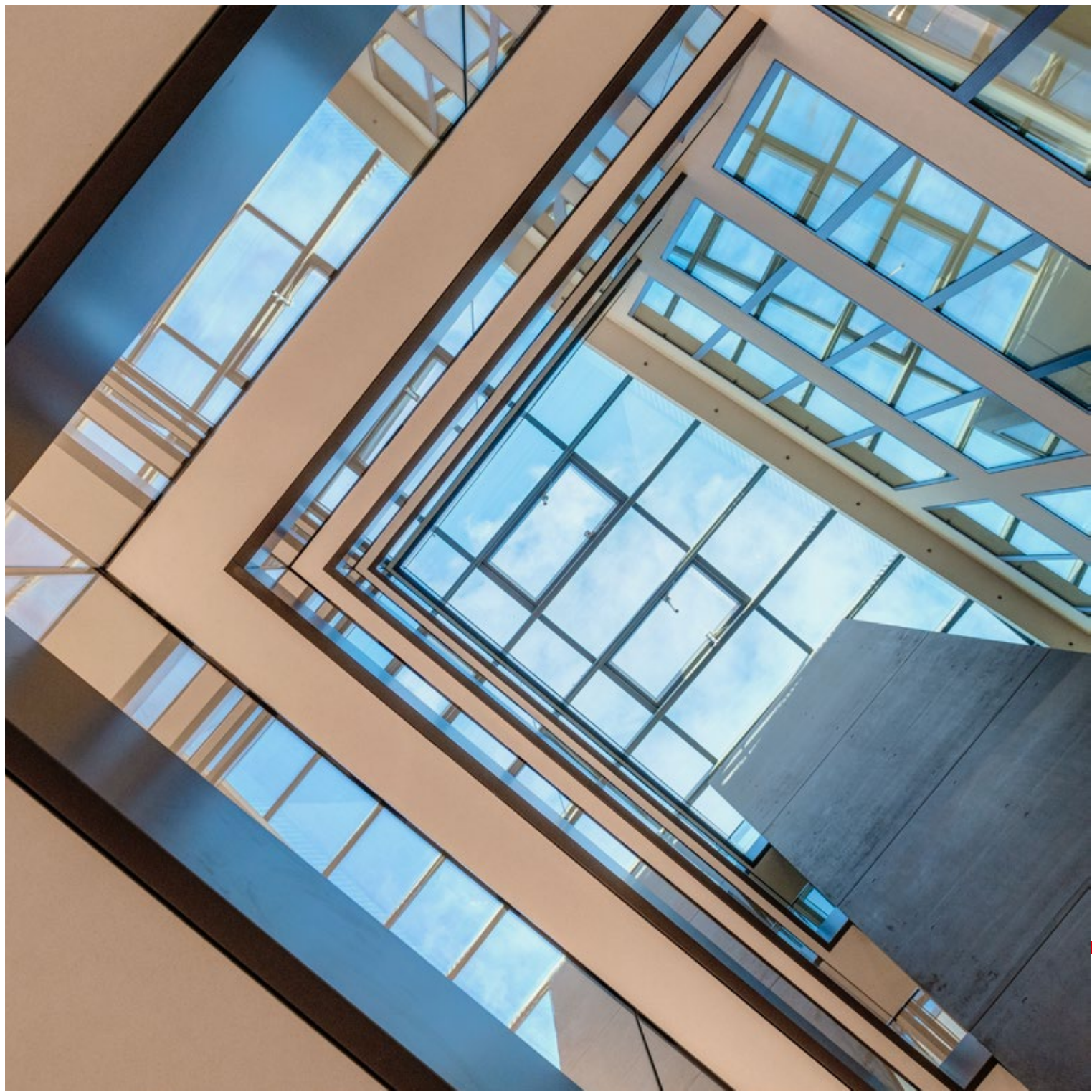




Building construction





# Building Construction

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# Building construction – Versatile

The building construction division looks back on a long tradition at the Max Bögl Group. The family business was founded in 1929 as a bricklaying business. Around 90 years later, we offer our customers unique, specially developed “products” in system construction for halls and multi-storey car parks.

In addition, we also offer a wide range of construction services and realise a wide variety of building types such as ultra-modern office buildings, inviting hotels or representative trade fair centres – turnkey or only as shell construction, with or without planning support.



Progress is built on ideas

# Vision





*"Industrial production methods are also increasingly being taken into account in the construction industry. In this context, Max Bögl strives to question the status quo and promote technical progress.*

*At the same time, we make use of our extraordinary depth of added value and work hand in hand with colleagues from the prefabrication plants, steel construction, civil engineering and vehicle fleet. In this way we can meet the needs of our customers more efficiently, to a higher standard and more economically."*

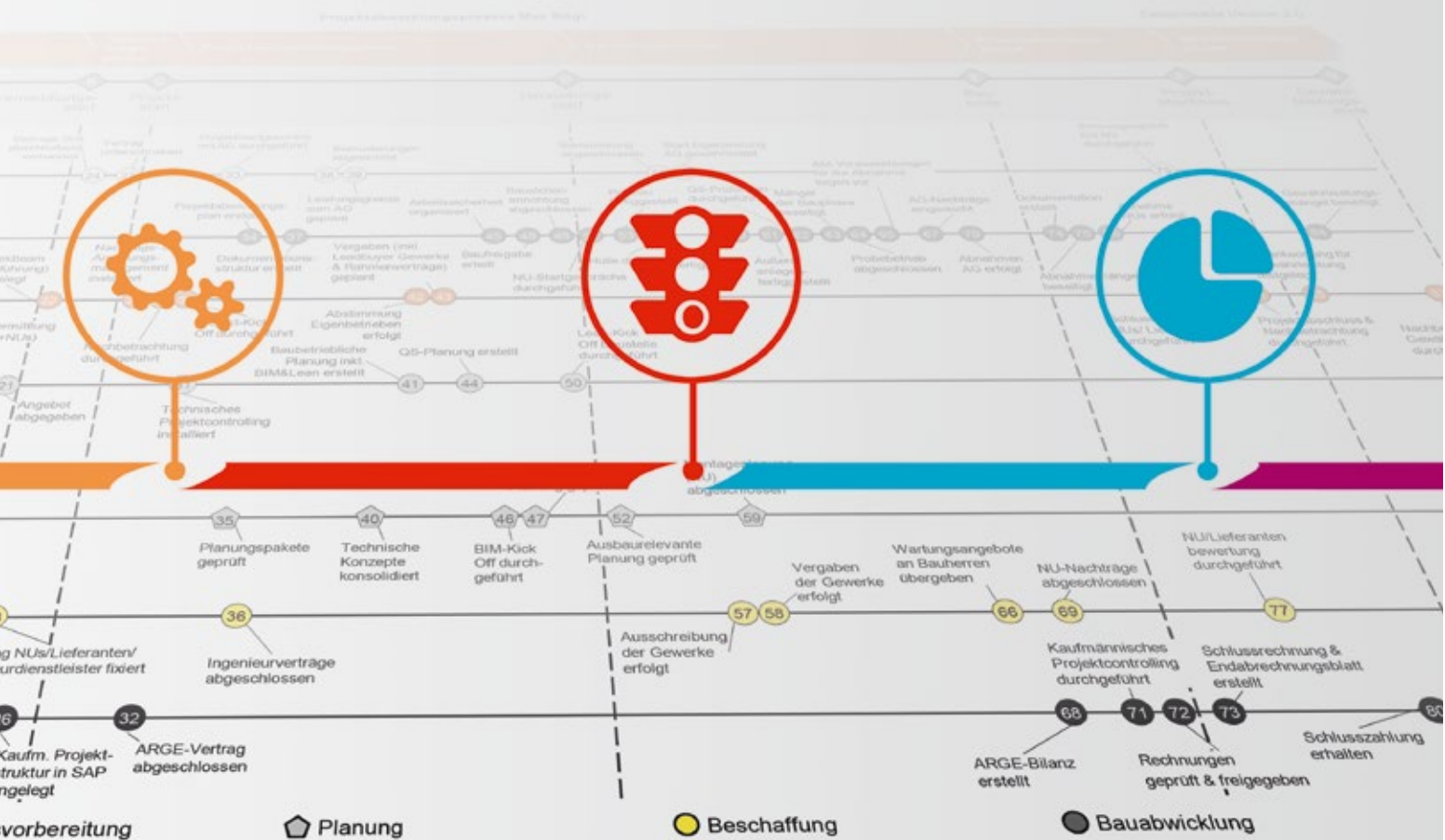
**Johann Braun, Board Member Building Construction**

# Standardized project management

- Improved collaboration (internal and external)
- Increased transparency
- Relief of the project team
- Minimization of risk
- Increased efficiency
- Maintaining our quality standards







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Foto



Cross-division

# Integral approach

At the very beginning of each (major) project, we form a team of experts tailored precisely to the respective requirements with a fixed contact person for you.

Colleagues from the relevant business areas as well as from various functions, such as work preparation, quality management, purchasing, BIM, lean, project management and

many more, contribute their specialist know-how and together ensure that your property is completed on time and in perfect quality.

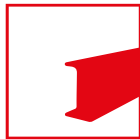
Development



Special  
foundation  
engineering



Steel  
construction



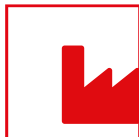
Traffic route  
construction



Building  
construction



Pre-cast Con-  
crete Elements



Renewables



Maintenance





Pioneering role

# BIM

*"BIM is definitely not a short-term trend, but a new working method for our company and the entire construction industry, in which we want to lead the way."*

With these words, CEO Stefan Bögl underlines the far-sighted goal the group is pursuing for our future. In order to keep this development process permanently on course, a constant exchange in and between all business areas is necessary. BIM is and will be a common tool for a cooperative, digital cooperation and paves the way for our company as a solid strategy towards "industrial construction".

- Working method for optimised planning, execution and management
- Throughout the entire life cycle of a building
- Information is stored centrally in the 3D model





A matter close to the heart

# Sustainability







Sustainability is a matter close to our hearts. For this reason, we generate almost 100 % of the electricity required by our main plant in Sengenthal from renewable energies 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 is constantly developing 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.

In the building construction segment in particular, buildings in our hall system Bögl have already received several sustainability awards. But our car park system Bögl also does not require any environmentally harmful road coatings due to modern production technologies.

Performance

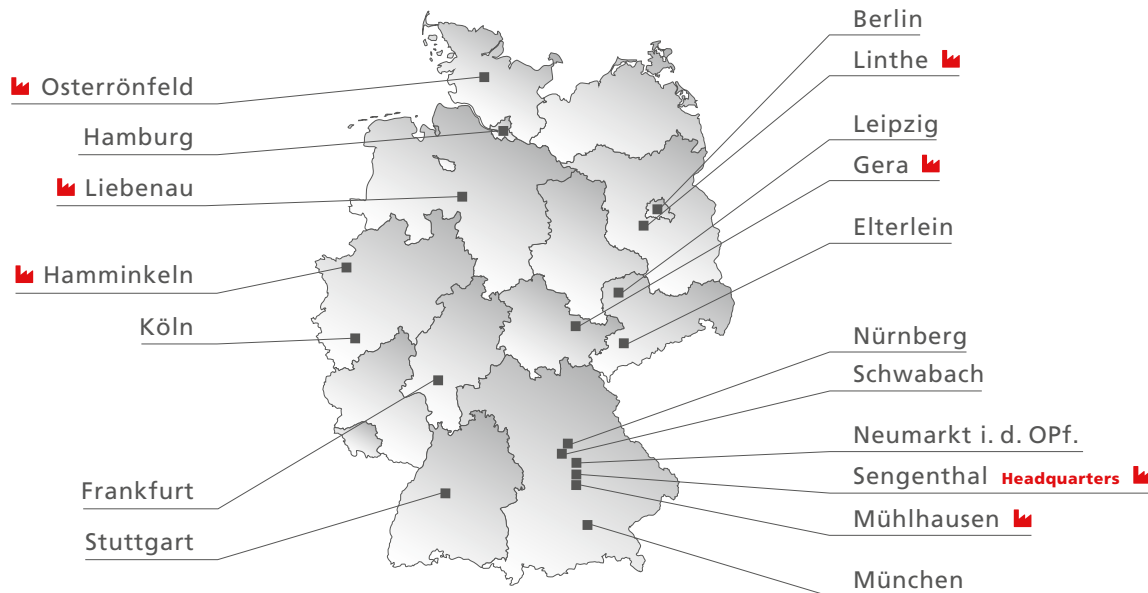
# Locations

With 19 locations and seven of our own precast factories 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 19 locations
- Best quality through seven own plants in Germany with highest standards
- Efficiency through cooperation and synergies between the individual divisions and locations











# Hall system Bögl – Holistic

Whether production/commercial halls or warehouse/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.

More than a construction company

# Procedure

With our specially developed hall system Bögl, we offer our customers more than just construction services – we provide planning and consulting services from the initial idea to the completion of your property.

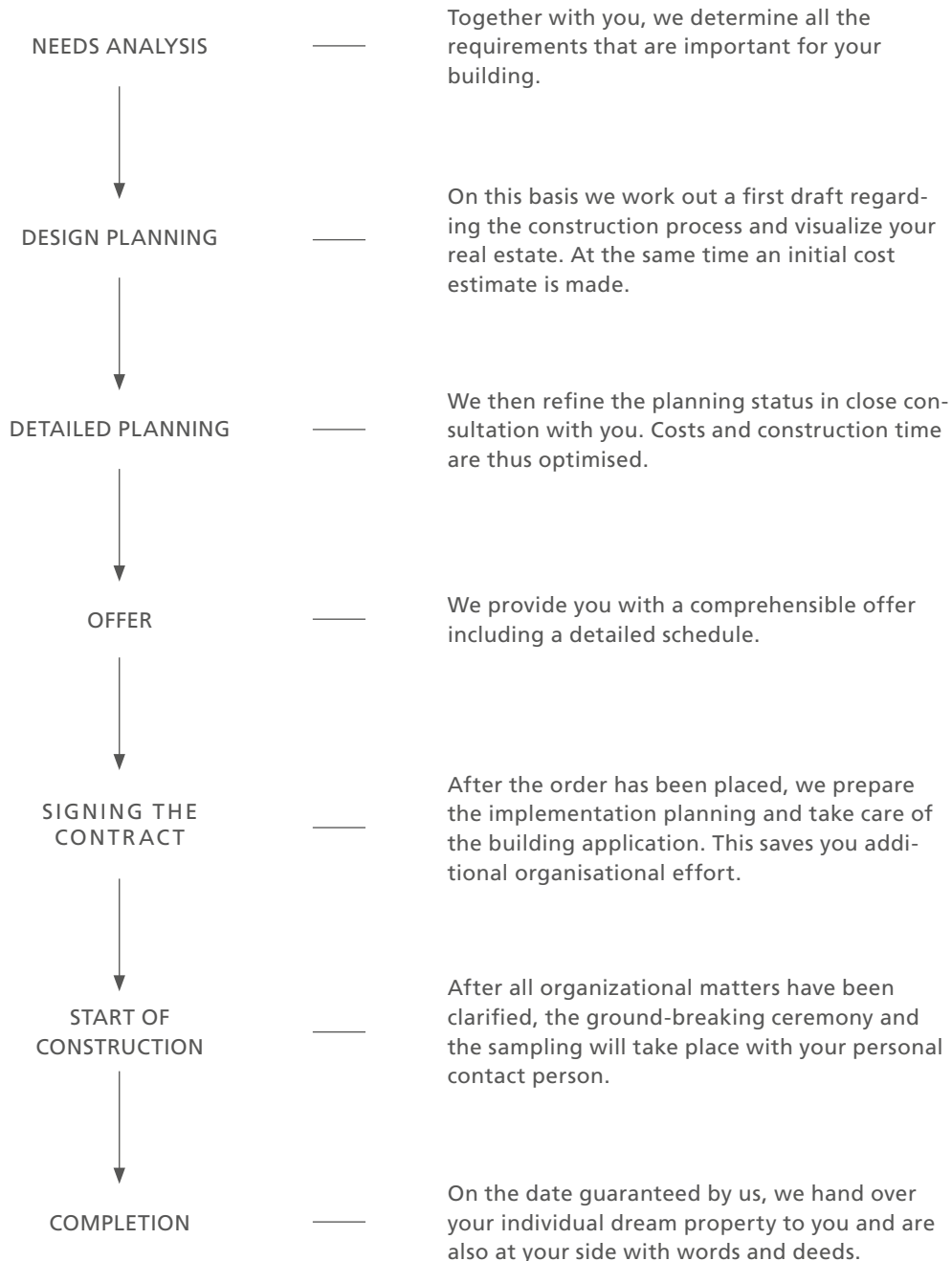
For the construction of halls, Max Bögl's approach has proven itself over the course of time in seven process steps. This systematic approach gives you additional planning security in the complex construction world.

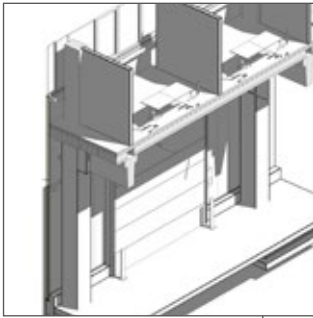
Of course, we leave sufficient space within our system for your individual needs.

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.

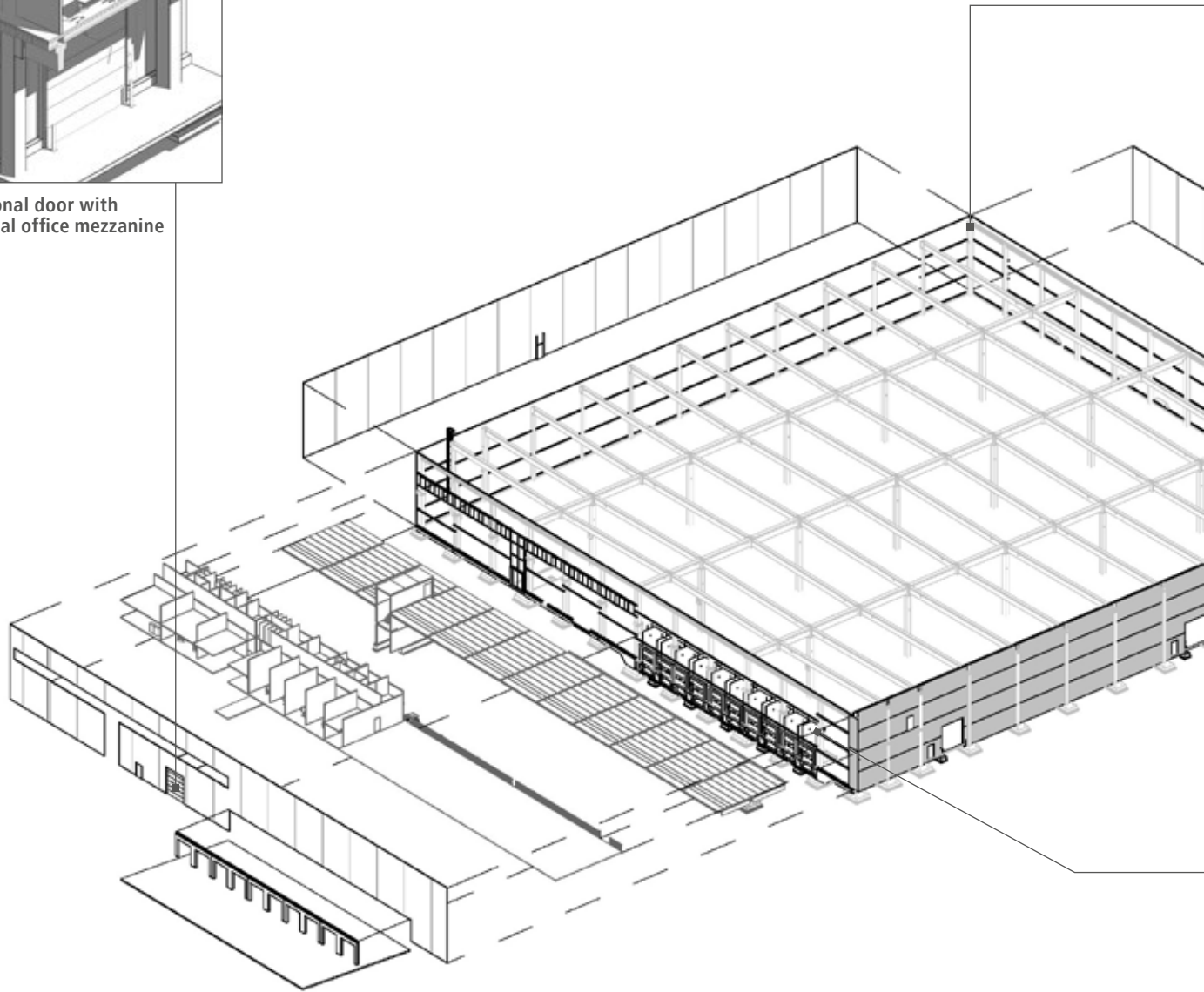


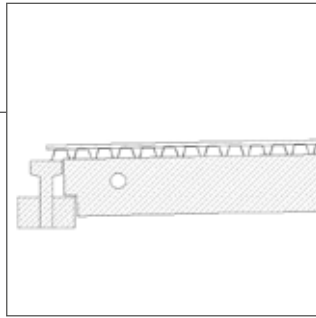




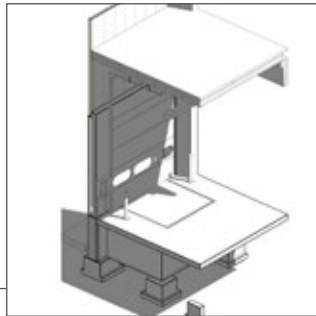
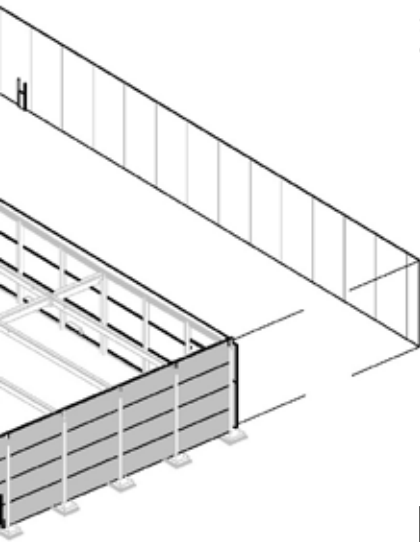


Sectional door with  
internal office mezzanine





Suspended roof with  
concrete girder



Dock leveller

Sophisticated

# Construction

You can imagine the construction of our hall system Bögl as a modular system 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 always created – depending on your personal design wishes.

This construction method can be used for both very large or 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.

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



Effective

# Advantages

The Max Bögl Group's unique performance quota, as well as our many years of expertise in the construction of halls and finally our specially developed hall system Bögl, result in a large number of advantages for our customers.

## Your advantages:

- Full-service offer including advice from the initial idea to the final product finished property
- Integral approach with technical experts from the corresponding disciplines





- Production exclusively in our own plants in Germany
- Synergies with other business areas, e.g. Renewable Energies
- Shorter construction time due to ingenious system construction and weather-independent prefabrication
- Flexible system for all hall sizes and variants
- More than 30 years of experience in hall construction and more than 3,000,000 m<sup>2</sup> of successfully realised hall space in the last years
- Free space for individuality due to a multitude of Equipment options, e.g. for the office premises
- Wide spectrum of possibilities – from trimodal logistics halls including overhead crane with 36 m gauge and up to 500 tons load capacity all the way to representative production halls with the freestanding office building







The background image shows a modern, multi-story car park system. The structure is composed of vertical steel columns and horizontal beams, creating a grid-like pattern. The car park is filled with cars, and the sky is a clear, bright blue. The overall aesthetic is clean and functional.

# Car park system Bögl – Durable

High demands are placed on multi-storey car parks. To meet these requirements, it is best to rely on a strong partner who can offer you all services from a single source.

More than 45 years of experience in the construction of multi-storey car parks and highest competence in all trades with trend-setting technologies distinguish Max Bögl.

With our car park system Bögl, we create highly functional buildings with a long service life and low maintenance costs that also meet aesthetic demands.

For this reason alone, we do not see multi-storey car parks as purely functional buildings, but offer you individual solutions with a system for space and innovation.

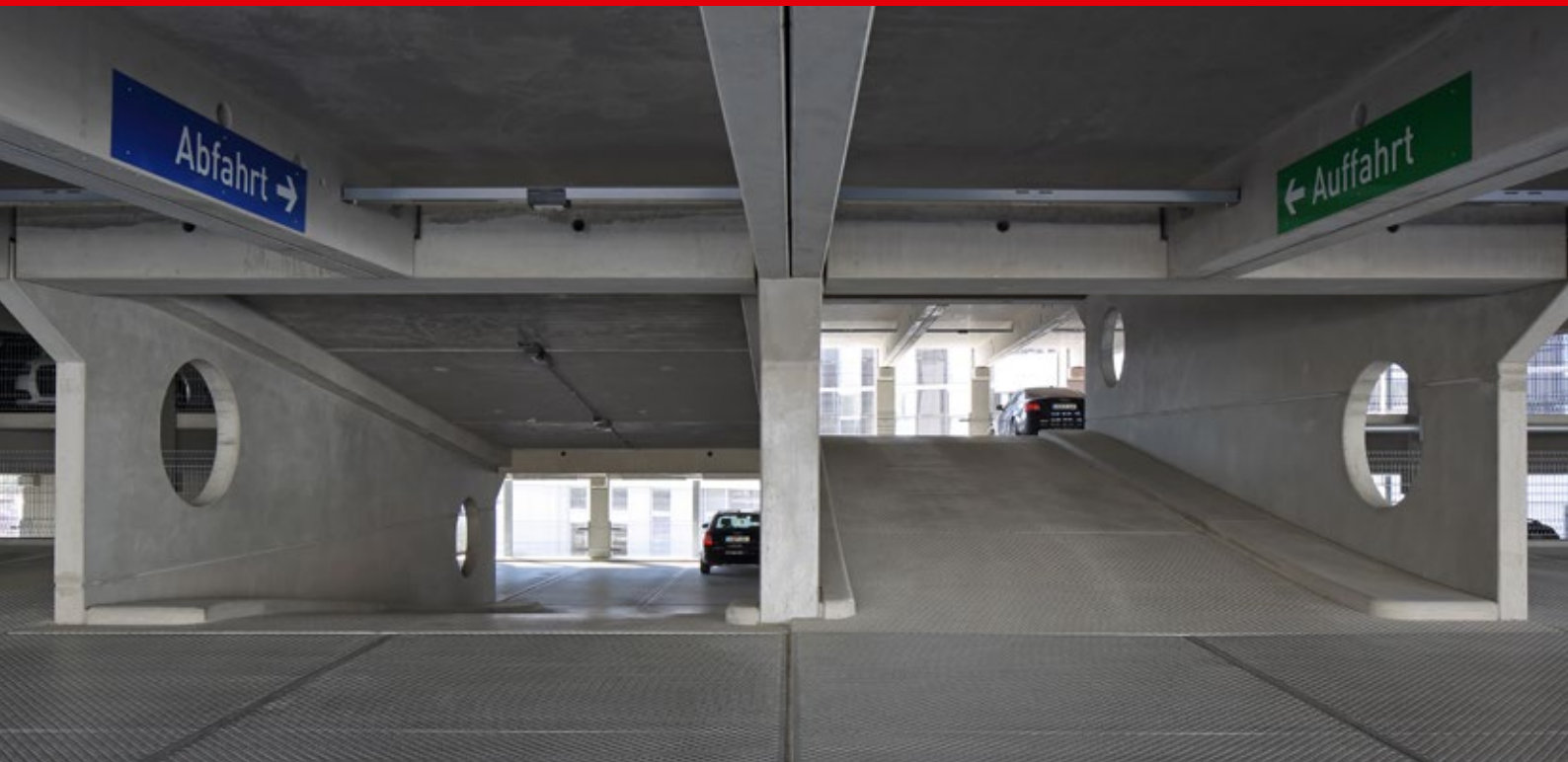
Infinite possibilities

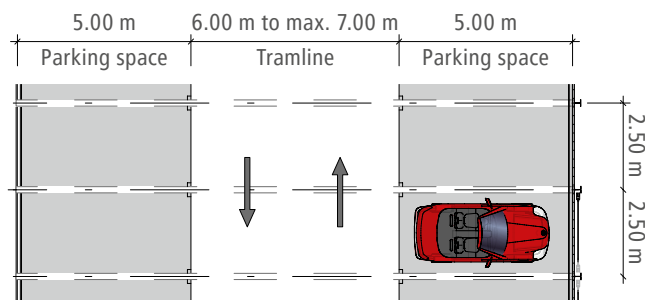
# System variants

## Precast concrete construction

Our multi-storey car parks in precast concrete systems set new standards: Both legal regulations such as fire and noise protection as well as the requirements of building owners and architects are fulfilled in precast concrete systems. The extremely resilient construction can also be realised in the shortest possible time thanks to precise prefabrication.

- Highest value
- Maximum stability
- Minimum vibration susceptibility
- Support grid 5.00 or 7.50 m





16.00 m to max. 17.00 m wide parking elements with 2.50 m system width (the parking space marking is independent of the system width).

## Steel composite construction

Max Bögl multi-storey car parks in a steel composite system impress with their filigree appearance thanks to their open design and sophisticated construction. At the same time – just like our precast concrete car parks – they offer an unbeatable degree of durability throughout the market.

- Filigree aesthetics
- Bright, open parking levels
- Support grid 2.50 m





Durable

# Concrete elements

Regardless of which system variant you choose – you will receive a multi-storey car park made of the highest quality building material. The specially developed concrete elements are insensitive to all effects and therefore do not require any coating. The special non-slip plate embossing also ensures greater driving safety.

- Without environmentally harmful coating
- Useful life +50 years
- Insensitive to weather and force effects
- Lowest maintenance costs
- Non-slip plate embossing
- Easy transport and assembly



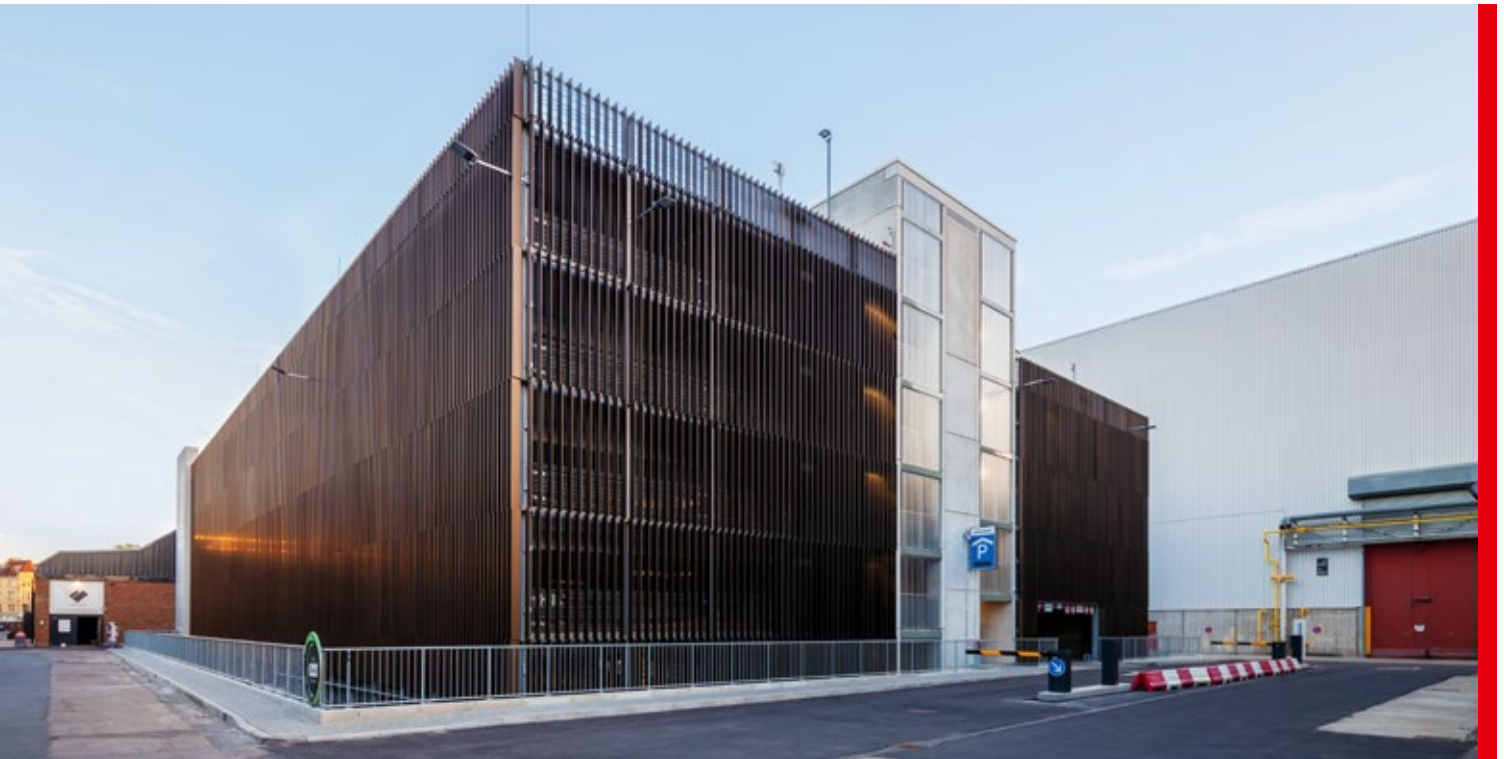
Profitable

# Advantages

For the development process of our car park system Bögl we had a decisive requirement: to fully meet the needs and wishes of our customers – while at the same time taking into account our sufficient expertise in steel and precast concrete construction.

## Your advantages:

- Full-service offer including advice from the initial idea to the final product finished property
- Integral approach with technical experts from the corresponding disciplines







- Production exclusively in our own plants in Germany
- Synergies with other business areas, e.g. special foundation engineering
- Shorter construction time due to ingenious system construction and weather-independent prefabrication
- Flexible system for all parking garage sizes with the option of subsequent extension (horizontal and vertical)
- More than 45 years of experience in parking garage construction and more than 14,000 successfully realised parking spaces in the last years
- Free space for individuality due to a multitude of Equipment possibilities, such as attractive facades or e-charging stations
- Minimum life cycle costs
- Can be combined with an underground car park or a substructure for trucks
- No inner supports
- Ceiling tiles without environmentally harmful coating, but with non-slip plate embossing and certified service life of +50 years









## Further building types – Powerful

Exhibition centres, office buildings, hotels and much more: In addition to our unique system solutions for halls and multi-storey car parks, we also realise a wide variety of real estate of all sizes.

The necessary efficiency is ensured by 6,500 highly qualified employees, 19 locations in Germany, seven own plants with

almost one million tons of output of steel and precast concrete parts and our own fleet of over 300 trucks.

Our range of services extends from pure shell construction to turnkey buildings with planning support.

# Unique Advantages

The Max Bögl Group is, so to speak, a unique partner for your project, as no other construction company strives to achieve this level of vertical integration.

For you as a customer, this means fewer interfaces, short distances, adherence to delivery dates as a promise and the highest quality from Germany.

The following Max Bögl projects are shown as examples on the following pages:

- p. 38/39: RheinEnergie head office in Cologne
- p. 40/41: Exhibition Hall 3C in Nuremberg
- p. 42/43: Holiday Inn (Lohsepark BF 72) in Hamburg
- p. 44/45: Willibald-Gluck-Gymnasium in Neumarkt i. d. OPf.











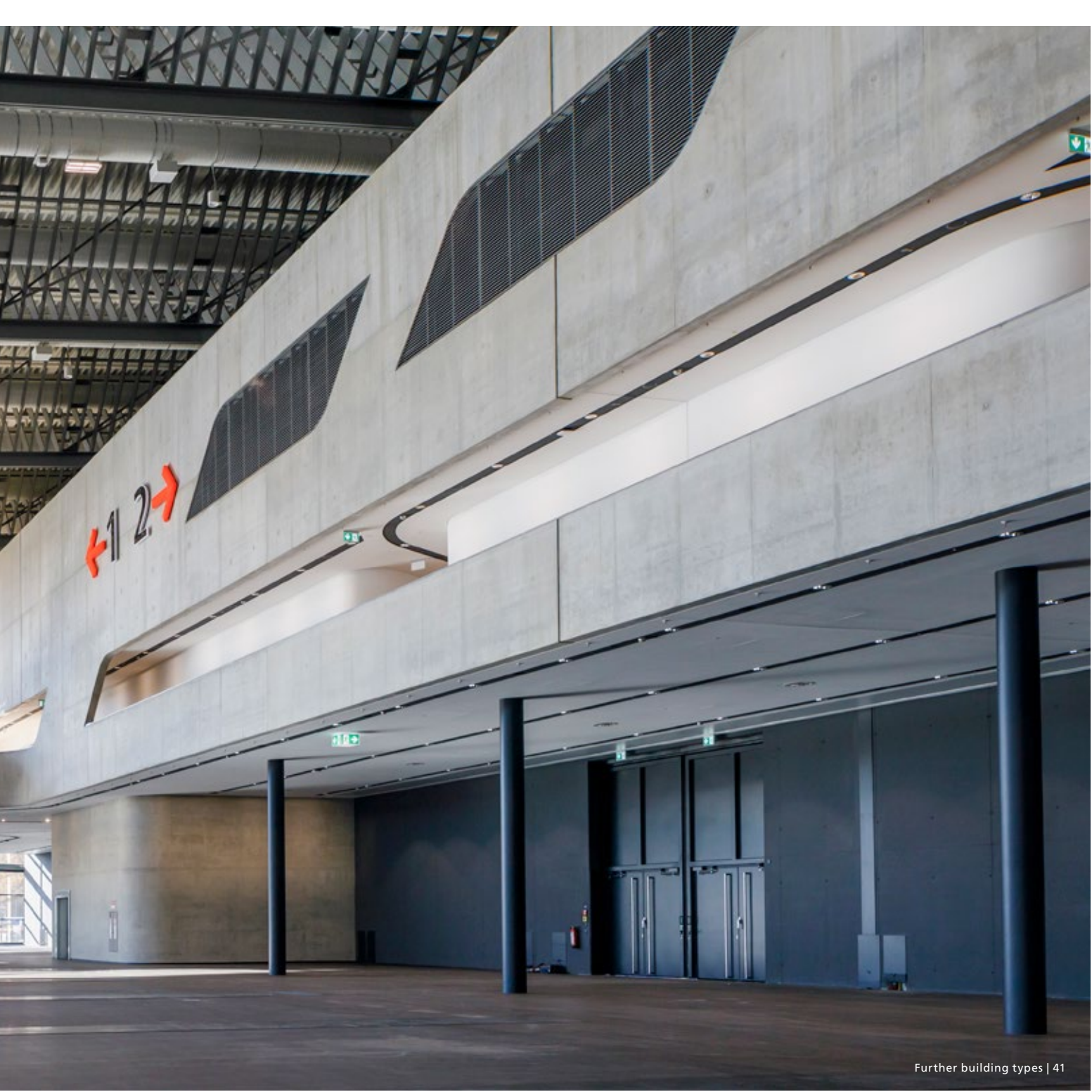












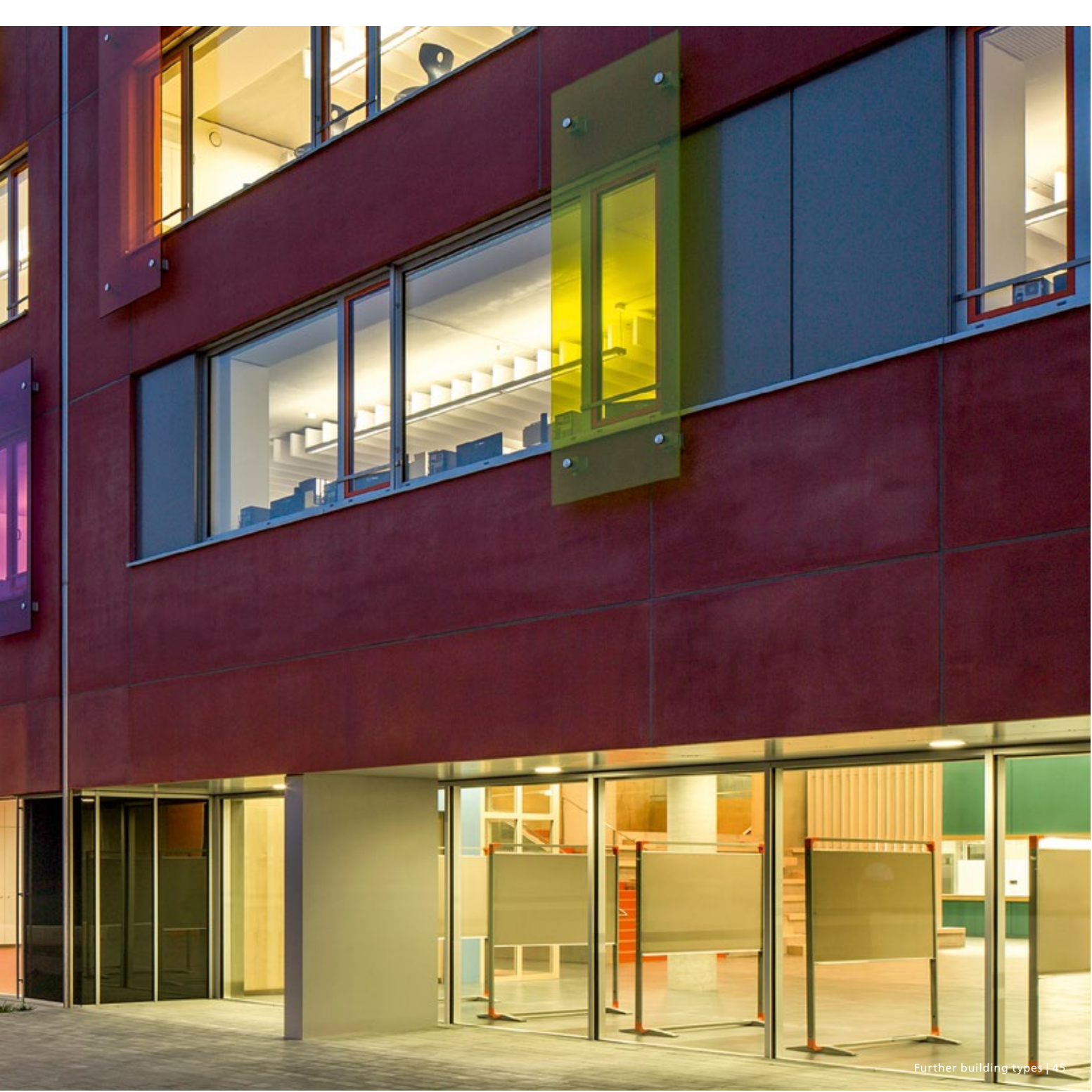
















## Max Bögl Group

With over 6,500 highly qualified employees at 40 locations worldwide and an annual turnover of over 2 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 characterised by innovative strength in research and technology - from tailor-made individual solutions to constructionally and ecologically sustainable overall solutions.

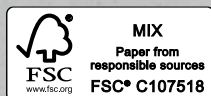
With forward-looking in-house developments on topics of our time, such as renewable energies, urbanisation, mobility and infrastructure, the Max Bögl Group is already realising solutions for the megatrends of our globalised world. Based on many years of experience and competence in high-prec-

sion precast concrete construction, Max Bögl is also positioning itself as an important driving force in the development of innovative products, technologies and construction processes.

The wide range of services and the high level of vertical integration with our own steel construction, our own precast plants, the most modern fleet of vehicles and equipment as well as our own raw materials and building materials guarantee the highest quality. The use of BIM, lean management/ production and standardised project management ensures adherence to schedules and cost-effectiveness from the initial concept idea to the finished building product.



**Max Bögl Group** 02/21; Photo credits: Tom Philippi, Stuttgart (title, p. 29, 37); Branislav Jesic (p. 2, 6); Heiko Stahl (p. 4/5, 40/41); Max Bögl Group (p. 8/9, 11, 13, 16, 20, 22/23); Reinhard Mederer (p. 10, 17, 26/27, 31, 36); Morten Øbro (p. 14, 33); Michael Heinrich (p. 18/19); Johannes Vogt (p. 24); © Goodman (p. 25); Norman Radon (p. 28); Kleeblatt-Film e.K. (p. 30); Sebastian Hopp (p. 32); Messe Frankfurt/Jean-Luc Valentin (p. 34/35); Jochen Seelhammer (p. 38/39); Jochen Stüber (p. 42/43); Petra Kellner, Architekten + Innenarchitekten Berschneider + Berschneider (p. 44/45); Nürnberg Luftbild, Hajo Dietz (p. 46)

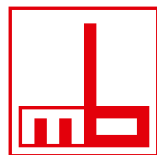


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**MAX BÖGL**

Progress is built on ideas.