



Wayss & Freytag Ingenieurbau AG
Group Company of Royal BAM Group

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**“Building the present,
creating the future”**

Connections for Life

We are Wayss & Freytag Ingenieurbau – Partners in construction.

Wayss & Freytag Ingenieurbau AG is one of Germany's leading construction companies. The main focus of its activities lies in the German civil engineering and international tunnelling markets. Wayss & Freytag Ingenieurbau AG is a subsidiary of the Royal BAM Group, one of Europe's largest construction companies, based in the Netherlands, with a total turnover of over € 7 billion and 21,000 employees worldwide. It can draw upon motivated employees, for whom responsible action and high-quality products are a matter of course. Continuous further education and advance training measures ensure that these objectives are achieved. Wayss & Freytag Ingenieurbau works in compliance with the applicable standards for quality management and environmental protection and always strives for the highest possible standard of safety at work. Client-oriented thinking and responsible action form the basis of our work.

A considerable factor contributing to the success of every project is a good working relationship with our clients. The six regional offices of our Northern Division, Central Division and

Southern Division guarantee close proximity to our clients. This creates short distances and simplifies communication with our partners. The concept of regional proximity is complemented by the core competence orientation of the Tunnelling Division, which is active in both national and international markets, and the Environmental Services and Building Maintenance Department as well as the Special Foundation Division which operate nationwide. Convincing civil engineering services and professionalism characterize our projects, which we are glad to execute with high demands on ourselves with regard to quality, safety and punctuality.

Wayss & Freytag Ingenieurbau AG strives to offer its clients real value and to form a close and lasting working relationship with them to achieve the best possible solutions for the maintenance, innovation and expansion of urban environments. Efficiency and economic value are significant elements of our products and services. The company develops customized solutions for its clients at all stages of the construction process.

As one of the leading companies in the German construction industry, Wayss & Freytag Ingenieurbau AG has been engaged in the planning, construction and execution of technically sophisticated buildings in all fields of engineering for more than 140 years. From tunnelling to bridge construction - the company has continued to develop innovative solutions for civil engineering projects. Wayss & Freytag engineers have also made significant contributions to the development of mechanized tunnelling. And what can we do for you? We are happy to advise you on the development of customized solutions in all phases of the construction process.

"Thanks to our expertise, skills, team spirit and a great deal of passion, we make cutting-edge infrastructure a reality and thus create connections – connections for life."

Dr.-Ing.
Michael Blaschko
CEO



Visions & Values

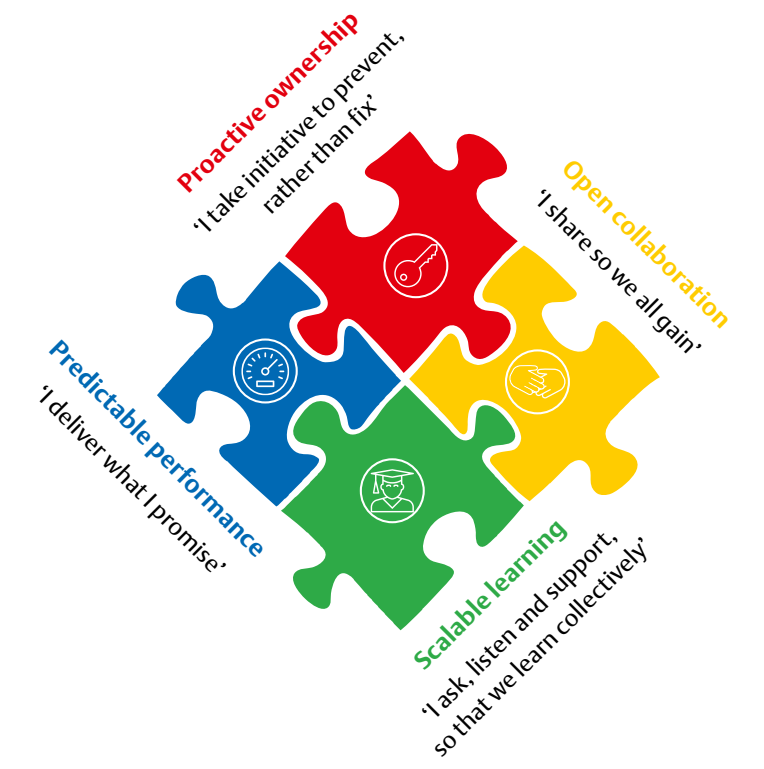
Building the present – creating the future.

Today, we are building tomorrow's world. Using modern technologies, we build structures used by the people of today and at the same time create a future home for our children. Intensive networks form the basis for this. A well-functioning infrastructure ensures a sound economy and brings people together. Our tunnels, traffic routes or

bridges connect people and business partners and provide the basis for future prosperity. To develop sustainable solutions, to respect people and the environment – these are our aims. As a group company of the Royal BAM Group, we have the network of experts, potential and experience to realise the most fitting, future-oriented solution for your project.

Our values and principles.

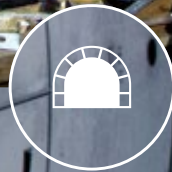
Wayss & Freytag Ingenieurbau AG has set goals, values and standards that determine our actions. We share these benchmarks with all Group companies of the Royal BAM Group.



Competencies

Building on Know how and Passion.

Wayss & Freytag Ingenieurbau AG is recognized for the quality and reliability of its products and services. Convincing civil engineering services and professionalism characterize our projects, which we are glad to execute with high demands on ourselves with regard to quality, safety and punctuality. Our best staff members team up on a project to project basis to develop the suitable solution for every technological challenge.



Tunnelling

- Mechanised Tunnelling
- Conventional Tunnelling
- Cut and Cover
- Retained Cuts
- Tunnelling Technologies
- Tunnel Refurbishment



Civil Engineering

- Industrial Construction
- Power Plants
- Demanding Structural Works
- Marine Works
- Bridge Construction



Special Foundation

- In-situ Concrete Diaphragm Walls
- Bored piles
- Soil Injections
- Ground freezing
- Construction Pits
- Anchorage
- Jet Grouting Method
- Micropiles and anchors
- Special Foundations



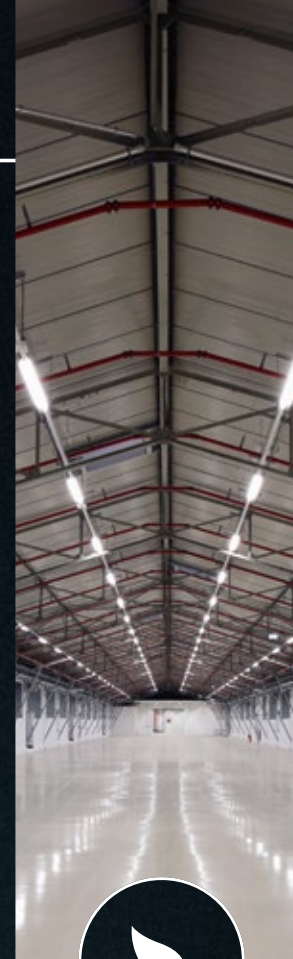
Infrastructure

- Road construction
- in PPP-Projects
- FTTH



Refurbishment

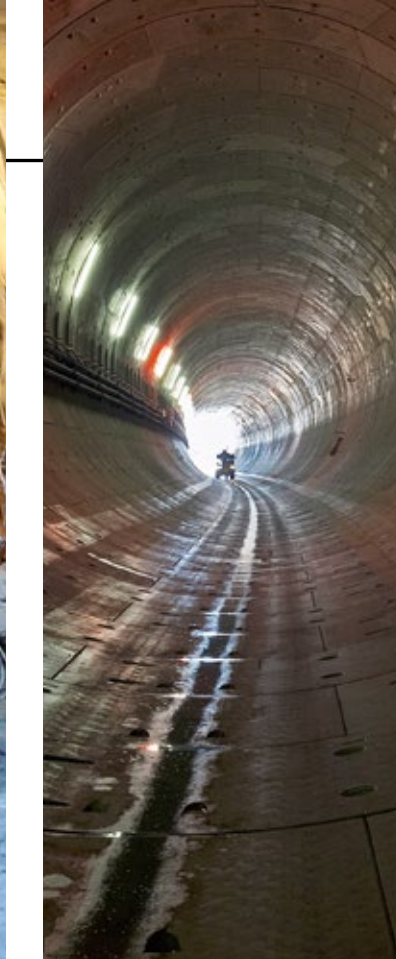
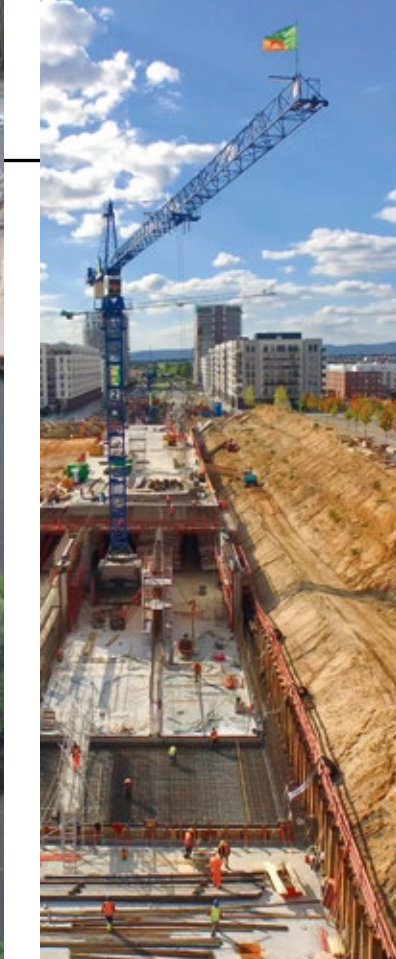
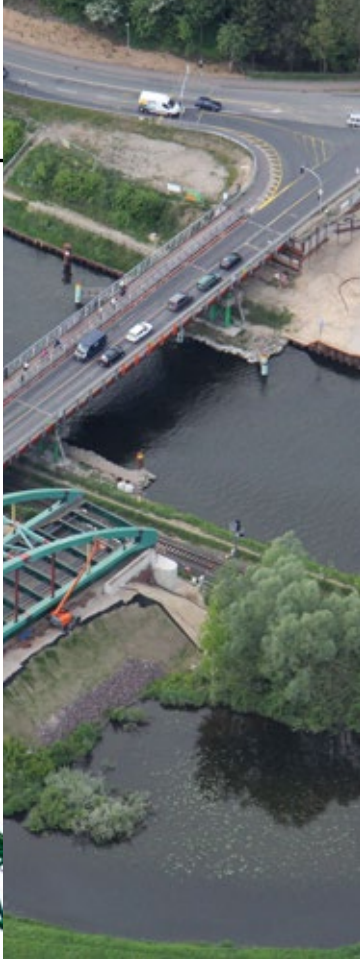
- Modernization
- Repair and Rehabilitation



Environmental

- Planning
- Refurbishment of Contaminated Sites

Departments



Northern Division
Hamburg, Berlin

Central Division
Düsseldorf

Southern Division
München, Stuttgart, Passau

Tunnelling Division
Frankfurt am Main

Environmental
Technology/Preservation
of Structures
Frankfurt am Main



“At Wayss & Freytag Ingenieurbau, I work in a pleasant working atmosphere to realize exciting and outstanding buildings.”

Christian Fabricius
Structual Engineer/Technical Coordinator

Responsibility for Humans and Nature

We care for the environment.

We create a safe and inspiring environment for our employees to develop their skills, enabling them in turn to contribute to the further development and growth of our organization.

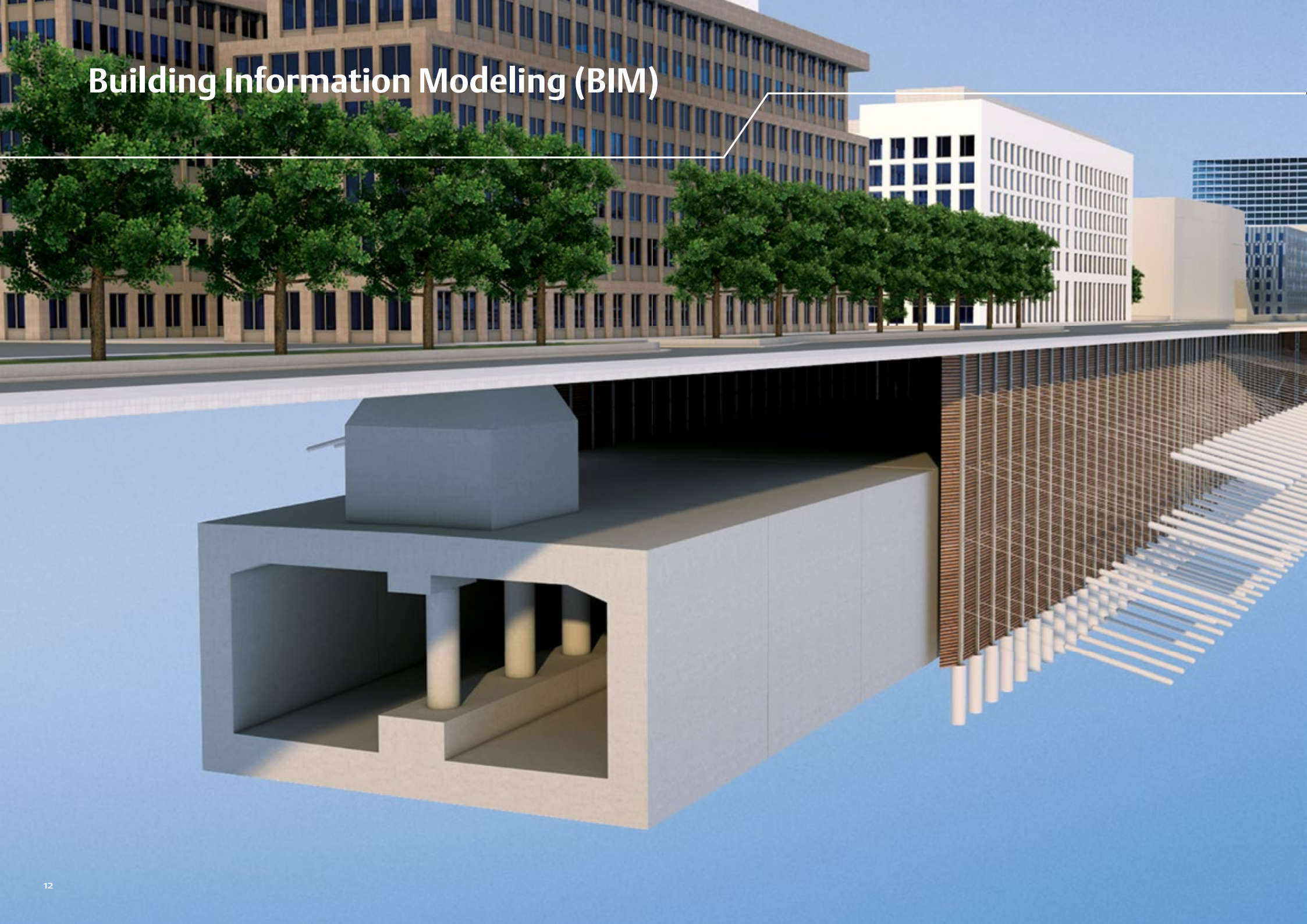
Health and safety is a top priority. We are committed to the continual improvement of our performance in health and safety not only for all our employees and subcontractors but for everyone involved in our activities, including the general public. Safe projects are successful projects.

Economic success and responsible action go hand in hand. Therefore, corporate social responsibility and sustainability are our daily commitment. Wayss & Freytag Ingenieurbau AG

works according to applicable standards for quality management and the protection of the environment and strives to achieve the highest safety standards. Safe working conditions throughout the entire construction process, minimizing CO₂ emissions and developing suitable sustainable solutions are essential issues.

In 2003, Wayss & Freytag Ingenieurbau AG implemented a code of conduct, which obliges every employee to work fairly and respectfully with partners and suppliers always taking into account our responsibility to the society and the environment.

Building Information Modeling (BIM)



BIM – intelligent, efficient, profitable.

The future has begun

Digital technologies change construction and create new opportunities. A future, where buliders become creators. Where we make it, before we make it. Where business planning becomes co-creation with our colleagues, customers

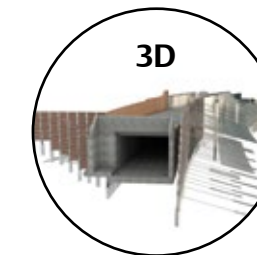
and all our stakeholders. Where we are no longer building in isolation, but where all our structures are connected through a continuous stream of data. Today we are building the present, but have already started creating the future.

Innovation for your success

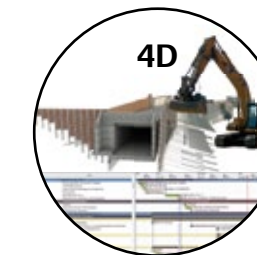
We plan our projects digital before we build them and simulate the construction process before the first excavator starts to move. BIM offers you planning reliability for cost, quality and construction time. The complete data are

available at the construction site. Where they can be included and processed into the ongoing construction process. Our clients receive the date after project completion. This simplifies the management and operation of the building.

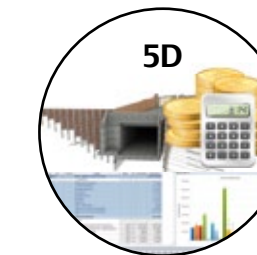
Our scope of work includes:



Visualization of project, coordination of planning, 3D-model as basis for all BIM-applications



Connecting 3D-model with time schedule for simulation, visualization and optimization of operational procedures and logistic processes



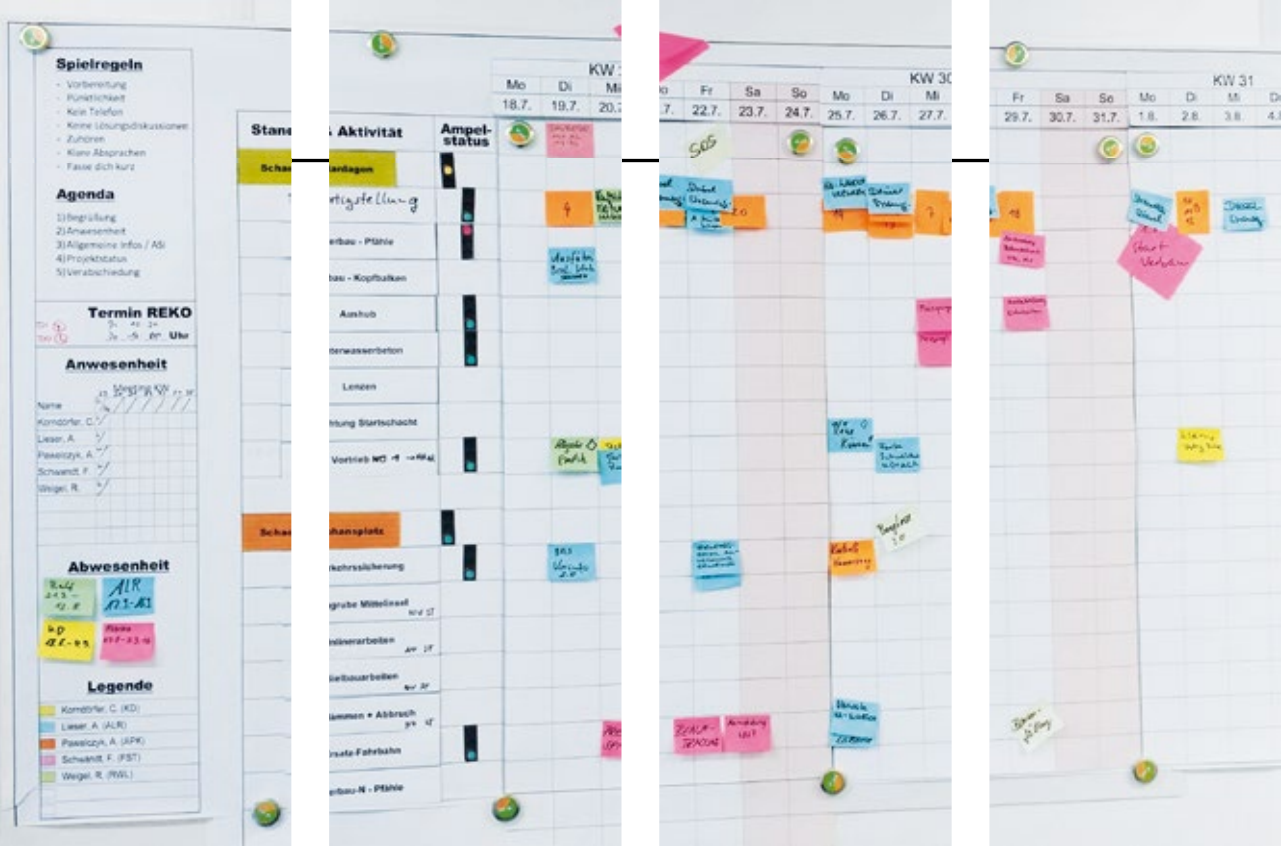
Deduction of quantities by 3D-model and connection with calculation and project controlling



Digital construction management on site (e.g. quality management, safety, documentation)



Quality & Efficiency



Quality and Efficiency for our Clients.

The construction task is the main focus of our actions. That is why we plan and organize our processes according to lean construction methods. This results in optimal added value for our clients and sustainable buildings created with the least amount of resources.

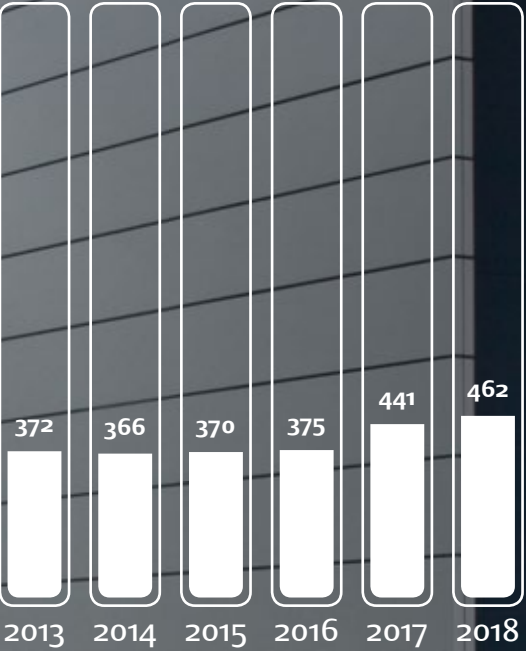
Our processes follow the value stream principle. They are defined in a management system and are linked to our ISO 9001 certified quality system. This ensures a high degree of process stability, precise control of our construction sites and thus high scheduling reliability in the construction

process. It also allows us to meet the highest quality requirements. Planned and clearly communicated processes also make an important contribution to ensuring the safety and health of all stakeholders on our construction sites.

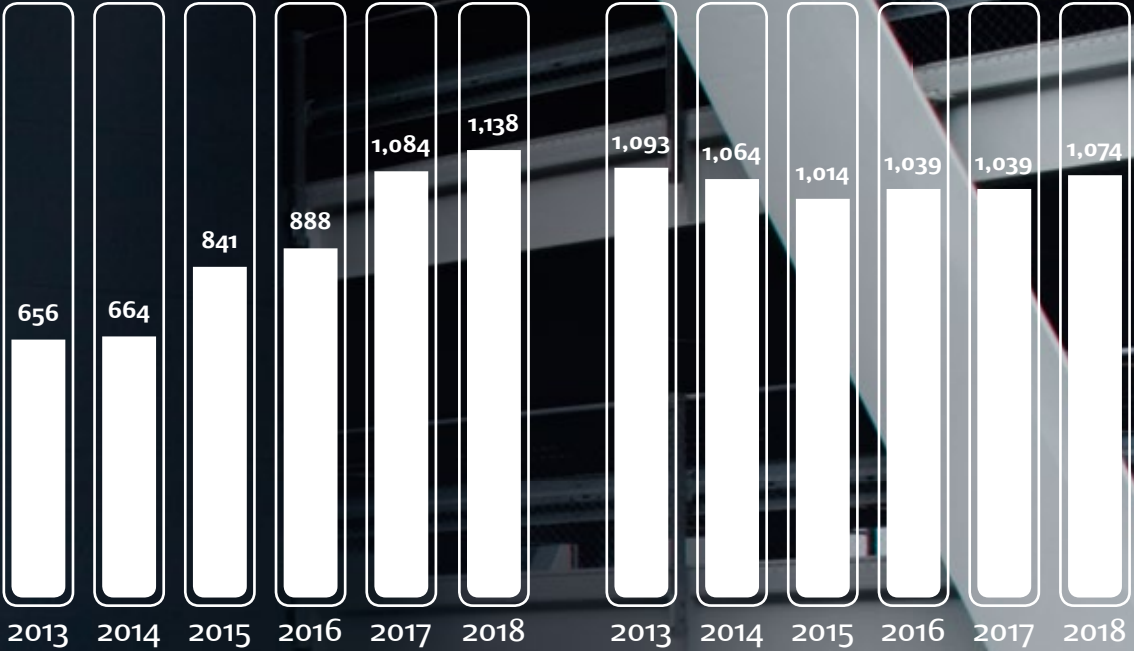
But we don't want to stop there. We strive for constant optimization with the help of continuous improvement processes. Based on these insights, we develop new standards and apply them to make our clients' projects even more cost-effective, sustainable and successful. Our clients can rely on that, today and in the future.

Facts & Figures

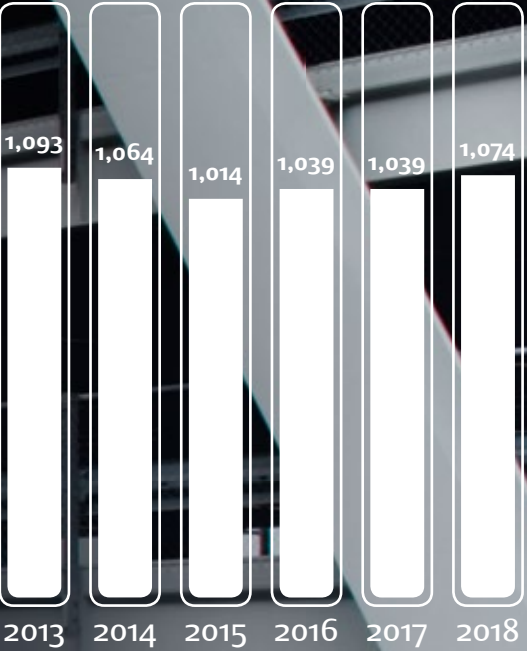
Car Park Neue Messe Stuttgart



Turnover
(in Mio. Euro)



Order book
(in Mio. Euro)



Employees
(Nos.)

References

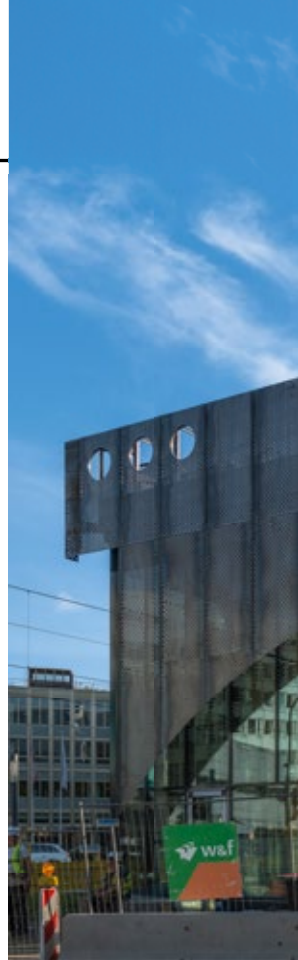


“I am not satisfied until the client is satisfied with our work and the result.”

Michael Mück
Foreman



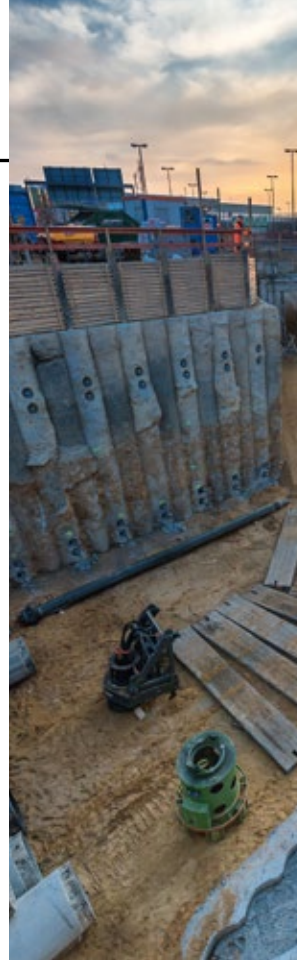
Katzenbergtunnel
Parallel drive with two TBMs with EPB shields for the extension of the Karlsruhe–Basel motorway.



Pavillon Martin-Luther-Platz, Duesseldorf
Two-storey restaurant building with ambitious and distinctive architecture in the center of Duesseldorf.



Car Park Neue Messe Stuttgart
The Car Park Messe Stuttgart was constructed by using the cantilever construction method during ongoing traffic on BAB 8 motorway. The multi-storey building offers 4,000 parking positions and has a width of 100 m. The building was executed in 30 months construction time.



Gateway Gardens
Construction of a Light Rail Tunnel with a length of 2 km for the Global Business Village. The new traffic artery at one of Europe’s most important junctions creates an ideal connection to Frankfurt Airport and the city.



Special Foundation

Demanding construction pit
in the City of Frankfurt.

Focus on the Client



Together!

What makes working with Wayss & Freytag Ingenieurbau special? Is it the experience, to realise outstanding, technologically and future oriented projects? It's the people in our organization. Engaged, experienced teams who work with competence and great effort to make your projects become reality.

Teams, who care for your demands during your journey and who find custom made solutions for the challenges on their way. Teams, where colleagues care for on another, so everybody will get home safe at the end of the day. Teams, who are in close contact with our clients throughout the entire process of realizing your project from planning to the final hand over of a project. People, our customers can rely on. For they deliver, what our clients have ordered.

