


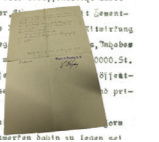


A new era

Hardly any construction company in Germany is able to look back on as long a company history as Wayss & Freytag. Entrepreneurial spirit, far-sightedness and visionary drive were the foundations of a technological development without which major bridges, high-rise buildings and industrial buildings would not have been realised. And yet, the success story began relatively simply: with flower tubs and a kennel.




The kennel of company dog Flock was the first structure in Germany to be built using reinforced concrete. Its purpose was to test the load-bearing and weathering behaviour of reinforced concrete. The kennel is now exhibited in "Deutsches Museum" in Munich.



Employment contract of Emil Mörsch with his signature. Conrad Freytag signed personally for the company.

Successful Trio

Three brilliant minds that changed construction: with Conrad Freytag, founder of the company, a new era in construction started. Gustav Adolf Wayss made ground-breaking tests with the new technology possible. Emil Mörsch established the scientific basis for construction with reinforced concrete. Their personalities complemented one another congenially, which contributed to the triumphal success of the new construction method around the world.




The scientist: Emil Mörsch (1872-1950) laid the scientific foundation in his standard work „Der Eisenbetonbau“ (Concrete-Steel Construction).

The entrepreneur: Gustav Wayss (1851-1917) carried out the first reinforced concrete constructions in Germany with his company.

The visionary: Conrad Freytag (1846-1921) realised the potential of the new technology. His motto: „Driven to maintain excellence!“

Internationality

Already early in the company's history the activities were not limited to the Palatinate. In 1910, the company already had twelve branches in Germany. In 1903, the first foreign branch was established in Riga. Further registered offices in Luxemburg, Strasbourg, Vienna, Innsbruck, Rome, Milan, Trieste, Genoa, Naples, Budapest, Messina, Sarajevo, St. Petersburg and Buenos-Aires followed.



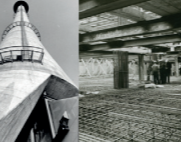
Around 1925: Construction of the sewerage system in Istanbul, Turkey

1909: Rohrschwefel (sulphur) warehouse, Marseille, France

1923: Odeon building in Rio de Janeiro, Brazil

New Impetus

Building upwards and downwards – during the reconstruction of Germany industrial and residential buildings and a modern infrastructure are built. Wayss & Freytag plays an active role in the development and creates new inventions which allow construction works at the highest level: Slipforming and climbing construction methods in building construction, the incremental launching method in bridge construction and shield technology in underground construction.



Between 1952 and 1975, 4,000 m of tower shafts as well as 47 television towers are built using slipforming and climbing construction methods.

1964: Underground railway construction Eschersheimer Landstraße Lot 1, Frankfurt/Main

1956: Fertiliser silo of Farbwerke Hoechst AG in Frankfurt-Hoechst immediately after its completion

Active worldwide

Wayss & Freytag is now a globally active group of companies. New business fields are added: environmental technology, building preservation and consulting. In shield technology, EPB shields and solid rock TBMs are used besides hydro and mix-shields. Shield technology in waterbearing loose soils creates new possibilities for tunnel construction.




1983: Salah Al-Deen Al-Ayubi Expressway in Baghdad, Iraq with a contract value of 590 million DM - up to that date the biggest contract in W&F history.

1984: Metro Antwerp ME-COMA Construction lots 1 and 2 hydro-shield drive

1991: Caisson of the Messe (fair) pumping station, Cologne

Future with BAM

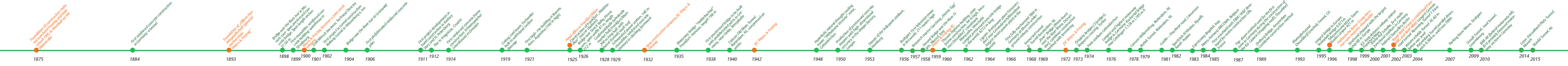
Wayss & Freytag gets a new platform: as a group company of the Royal BAM Group, which was established in 2002, the company realizes outstanding engineering and tunnelling projects in Europe. Customer orientation, sustainability and cost efficiency become increasingly important. Wayss & Freytag Ingenieurbau accepts this challenge. Committed and competent teams build for the world of tomorrow.



1995: Stoerebelt Bridge, longest suspension bridge in Europe

2003: CERN (European Organization for Nuclear Research) Nuclear Research Centre, Geneva. Biggest particle accelerator in the world

2003: Westerschelde Tunnel, NL





Carl Heidschuch
Adolf Kielhöfer
Board member 1895
Ludwig Zöllner
Board member 1895
Engineer Matthias Koenen
Commerzienrat Otto Meyer
Board member 1895
Dr. Jur. Karl Freytag
Son of the founder
Board member 1895



Board member Prof. Dr. Hermann
Bay started as assistant to
Emil Mörsch
41 years with Ways & Freytag:
Prof. Peter Bonatz, Head
of Technical Department 1
More than 50 years with Ways &
Freytag: senior mechanical
foreman Johann Hoffmann
Federal Cross of Merit for social
commitment: chairman of central
works council Jakob Gut
Board member Dipl.-Eng. Erich
Jacob advanced shield driving
technology with his ideas



Dipl.-Eng. Claus Becker,
Head of Tunneling Construction,
laureate of STUVA award 1999
Maria-Elisabeth Lippert, first
female supervisory board member
in German construction company
Dipl.-Eng. Rolf Berger, Head of
Hamburg branch, project
manager 4th Elbe Tunnel Tube
Dipl.-Eng. Erdogan Gürkan
Head of Technical Department
Tunneling Division
Dipl.-Eng. Dieter Kuhlmann
Head of Technical Department
Project manager Arena „Auf Schalke“



Building is a team sport
Teams at Ways & Freytag Ingenieurbau



140 Years Ways & Freytag



Ways & Freytag Ingenieurbau



„Team Ways & Freytag“ with company dog „Flock“ May 1,
1918 Background: Underground railway construction Berlin,
Frankfurter Allee, 1917



1946: Sleeper factory team
1968: Subway Construction Munich



1985: Trainees and student apprentices on
fly-over project
1991: Construction meeting at Thyssen Stahl AG
galvanizing plant
Background 1999: Federal Chancellery Berlin



Ways & Freytag Ingenieurbau