

■ STRUCTURAL ANALYSIS & DESIGN



Engineers you can trust



ABOUT US

Structural analysis and design are strongly interdependent and closely connected. The better these two disciplines interact in a project, the better a structure can be designed in terms of economic efficiency, long-term resilience and aesthetics.

With this said, the essential criteria for our engineering services are: Economic efficiency in construction and operation, sustainability through optimized design and choice of materials as well as high acceptance through logical and creative design.

As a result we often develop innovative solutions for our clients in addition to using proven construction methods.

The participation of our specialists in expert committees as well our research assignments underly our success in structural engineering projects such as the design, rehabilitation and maintenance of bridges, buildings, industrial structures and plants.

Designing buildings for many generations is our core task as engineers you can trust.

STRUCTURAL ANALYSIS & DESIGN

BRIDGE DESIGN AND GROUND ENGINEERING

The services we provide for civil engineering structures, which must fulfil functional requirements, also should have a high standard of economic efficiency, durability and safety. Implementing these requirements in a timeless and interesting form, determined by the supporting structure, is both a challenge and motivation for our bridge design engineers.



BUILDING AND INDUSTRIAL ENGINEERING

The many interfaces with other internal and external specialists are often the starting point for a lively optimization process in the development and specification of load-bearing structures for residential complexes, event centers, office buildings, production and factory halls, sports facilities, hospitals, railway stations and airports.



NATURAL HAZARDS AND EXISTING STRUCTURES

Increasingly, natural hazards such as avalanches, rockfalls or mudflows determine the design process for our traffic routes and associated structures.

In addition to conventional planning and design tasks, we are also entrusted with engineering services in connection with the assessment, maintenance and repair of existing structures, particularly due to the large number of structures that have reached the end of their service life or exceed their load limits.



OUR SERVICES

- Fire calculations and fire protection designs
- Structural inspection and documentation
- Nonlinear and dynamic calculations
- All consultancy service phases
- Workshop planning
- Feasibility studies

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