

# G I B A

COMPANY FOR CIVIL  
ENGINEERING,  
STRUCTURAL MAINTENANCE,  
AND FACILITY MANAGEMENT

mbH

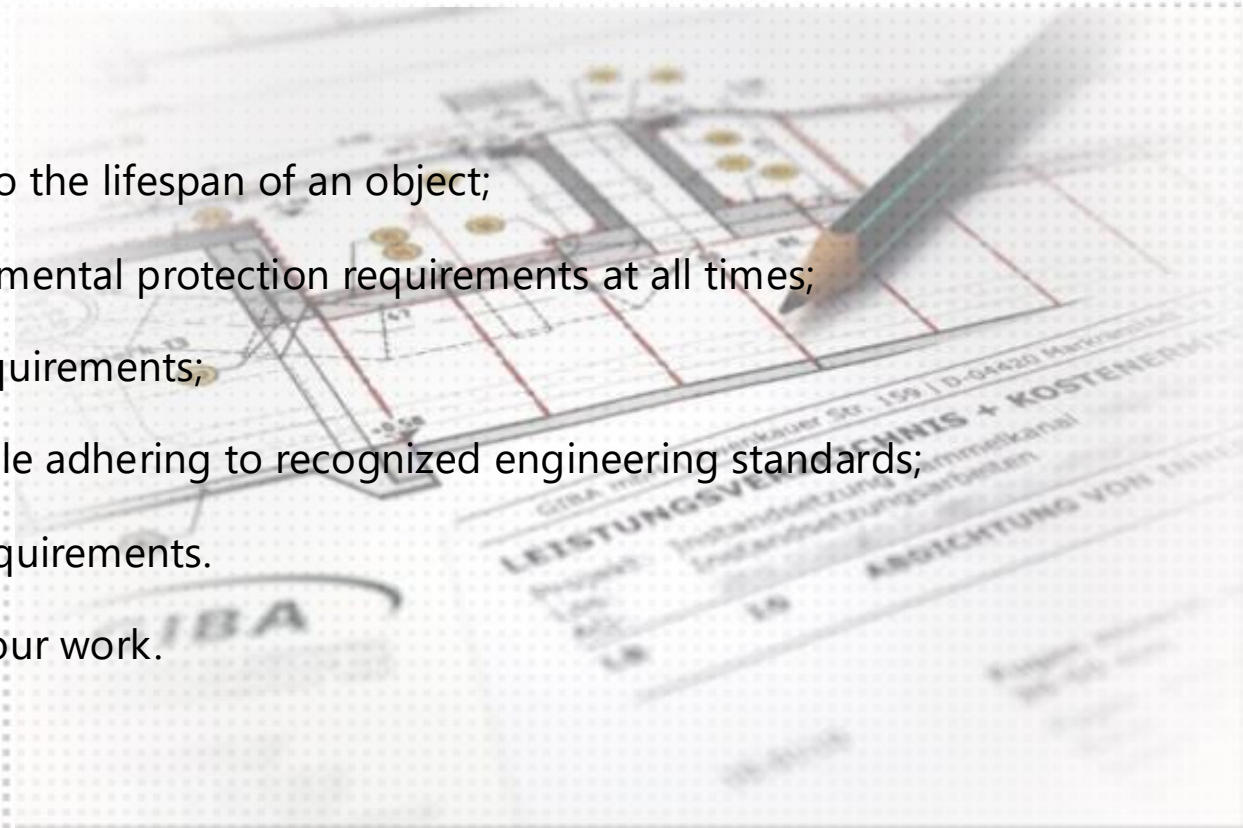


**GIBA mbH** provides innovative, cost-effective, and tailored consultation, planning, and supervision of construction projects, primarily in the area of technical infrastructure as well as civil and structural engineering. We operate in close and reliable cooperation with our clients and specialist partners from the municipal, industrial, and private sectors. For the professional and interdisciplinary handling of your complex projects, often under diverse conditions, our high-performance team possesses the necessary expertise as well as additional specific qualifications.

At GIBA, our employees prioritize:

- improving the cost-effectiveness in relation to the lifespan of an object;
- ensuring compliance with usage and environmental protection requirements at all times;
- responding early and flexibly to changing requirements;
- incorporating new or advanced solutions while adhering to recognized engineering standards;
- and implementing and monitoring quality requirements.

These principles are always at the forefront of our work.





We support you with:

- Needs assessment and strategy development for further use and management of structural facilities
- Valuation and economic considerations as well as financing, organizational, and operator concepts
- Construction condition assessment and evaluation in connection with material, soil, and water analysis as well as (3D) surveying
- Expert opinions and renovation concepts, comparison of procedures with cost estimation, determination of preferred solution
- General and specialist planning for new construction, remodeling, dismantling, modernization, and maintenance measures, including alternative examination, routing, construction, and dimensioning, approvals, tendering, and awarding (3D-oriented with/without BIM data)
- Quality management on construction sites, local construction supervision and health and safety coordination as well as project and cost management
- Operations management: operational data and documentation, operational and fire plans, contracting, inspection, and maintenance work
- Safety management: deficit considerations, risk assessments, operating instructions, structural fire protection, and (ventilation) measurements
- Research and development, lectures, seminars, and publications (including GSTT guideline for accessible cable ducts)
- Standardization/work standardization for structural solutions



# REPAIR AND BUILDING PROTECTION



We support you with:

- Component-oriented condition assessments and renovation concepts
- Planning for measures for concrete preservation, post-sealing (joints), and structural fire protection
- Static-structural assessment of existing systems and structures (recalculation)
- Static specialist planning for new construction, replacement, and reinforcement elements, especially for restricted construction spaces and component connections, utilizing innovative systems (e.g., CFRP laminates)
- Construction supervision, maintenance management, and documentation



# DEVELOPMENT AND UTILITY INFRASTRUCTURE CONSTRUCTION



We support you with:

- Development of adaptation strategies and urban technical target planning
- Analysis and identification of the optimal development solution
- Media-related route planning for the construction, continued operation, replacement, or decommissioning of supply and disposal systems
- Monitoring of quality-compliant construction execution

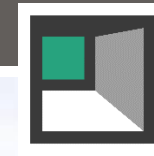




We support you with:

- Economic assessments for supply channels, including comparison to underground cable laying using a simulation model (developed jointly with our partner, entellgenio)
- Budget planning over the lifespan of structural facilities, organization of all maintenance measures
- Undertaking inspection and maintenance work on the structural envelope constructions and operational facilities
- Asset management in close coordination with the owner/operator of the respective structural facilities
- Development of operating regulations and organizational instructions
- Preparation of risk assessments, security concepts, and technical risk analyses
- Fire protection concepts, emergency response planning, support, and evaluation of firefighting exercises
- Fire protection specialist planning, obtaining approval for manufacturer-specific product deviations for structural special solutions (e.g., fire dampers for cable and pipe penetrations)
- Development and updating of operational and deployment plans (fire plans)
- Data collection and analysis (including temperature, humidity, airflow)
- Services for safety and health protection according to construction site regulations





## Team:

- 15 employees, including civil engineers, draftsmen, dual students (Business Administration, Construction Management) and one administrative assistant

## Qualifications:

- Expert for damages in structural engineering
- Expert planners for concrete preservation
- Specialist planners for structural maintenance (post-sealing)
- Safety and health protection coordinator
- BIM designers, structural engineers

## Hardware:

- Workstations with up-to-date hardware
- Mobile peripherals for optimized fieldwork
- Various measuring equipment (including multiple gas detectors, distance meters, humidity/airflow meters, light intensity meters, and more)

## Software:

- Weise-Control office control with time tracking
- Autodesk AutoCAD, Map 3D, Civil 3D, Revit, Structure, ReCap
- Bechmann AVAScript with GAEB XML, STL B Dynamic Construction Data
- Friedrich & Lochner, isb-CAD, Bautext VC, Dämmwerk
- Adobe image editing and management
- Weise-Control project management



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