



Structural and Industrial Engineering

Your contact partner for the field of Structural and Industrial Engineering is Dipl.-Ing. Wilfried Rennwanz.

We provide national and international planning for buildings and industrial plants. During recent years we have expanded our energy supply segment in particular (planning of gas compressor as well as brine stations).

We develop technically demanding solutions and also monitor the financial and economic aspects of construction projects.

Our scope of services comprises:

- Handling all work phases of the German fee structure for architects and engineers (HOAI) including construction supervision on site
- Supraregional and international processing of projects
- Concept development and feasibility studies
- Planning work for new buildings, redevelopment of existing structures (redevelopment and conversions)
- Substantial experience in planning buildings for gas compressors and gas drying facilities
- Planning work for all trades (e.g. steel construction, reinforced concrete construction, timber construction)
- Support structure design (statics)
- Technical expertise

In the field of building services engineering (heating, ventilation, air conditioning and electrics) we work closely with our long-term partners. Consequently you can expect a complete planning package from us.



Support Structure Design

Our Support Structure Design Department is headed by Dipl.-Ing. Hans Kapscha and Dipl.-Ing. Thomas Gehder.

Our scope of services comprises:

- Handling all work phases of the German fee structure for architects and engineers HOAI Support structure design consultancy services for Thermal Construction Physics, Sound Insulation and Soil Mechanics, Earthworks and Foundations
- Planning and proof documentation for structural fire protection
- Supervision and checking of engineering structures along roads and tracks in compliance with DIN 1076
- Building inventory documentation
- Checking the stability of structural facilities in the course of regular stability inspections by experts in compliance with the „Notes for inspecting the stability of structural facilities by the owner/party entitled to dispose“ of the Conference of Ministers of Construction, RBBau and DIN 1076.

We provide “Geotechnical Examinations” in cooperation with our long-term partners.



Mobile and Radio Communication

Dipl.-Ing. Uwe Möllhof and Dipl.-Ing. Wilfried Rennwanz manage our Mobile Radio Telephone Systems Department.

We have worked on some 5,000 mobile radio telephone system sites since 1991 and have thus acquired a vast wealth of experience in procuring and planning sites for all mobile radio telephone system operators. We are one of Germany’s market leaders in planning mobile sites.

Our scope of services comprises:

- Site acquisition
- Design and approval planning
- Submission and follow-up of planning applications
- Marking out of axis lines
- Landscape conservation planning
- Support structure design (Statics)
- Execution and workshop planning
- On-site construction supervision and coordination of realisation and acceptance inspections
- Radio mast inspections

International work

Our firm has many years of experience providing engineering services to the US Government, Corps of Engineers in Germany and other European countries. Regarding our own staff we find a large number of professionals with experience having carried out engineering work in various disciplines and different countries in the past. Together with our subsidiary company mare Projekti d.o.o. & Partners in Croatia and local firms we form a strong partnership which enables us to build up a project/construction management oriented team made up of specialists in the various fields where expertise and technical knowledge and experience are essential.



Project Management and Control

In recent years we have successfully handled a large number of projects in the area of project management and control. Your contact persons here are Dipl.-Ing. Wilfried Rennwanz and Dipl. Ing. Michael Bergmann.

We cover all project stages in the following activity areas:

- Organisation, information, coordination and documentation
- Qualities and quantities
- Costs and financing
- Timetables and capacities

General Planning

Interdisciplinary Works

We are used to handle broad-based planning projects. Interdisciplinary projects we have processed include:

- Construction site investigation
- General planning in the area of real estate/establishments
- General planning in the area of airfields
- Inspection of structures
- Processing of routing projects
- Planning in the area of cavern systems
- Combination of as-built surveys and sewer system redevelopment concept projects



Comprehensive Engineering Services

Design and construction engineering

Water supply and sanitation

Hydraulic engineering

Traffic facilities

Surveying / Geo-information

Structural and industrial engineering

Support structure design (Statics)

Mobile radio telephone systems

International work

Project management and control

Interdisciplinary works

INGENIEURGESELLSCHAFT NORDWEST mbH
Beratende Ingenieure

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Zertifiziert nach ISO 9001

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Ingenieurgesellschaft Nordwest mbH



Design and Construction Engineering



Environmental and Sanitary Engineering



Traffic Facilities



Surveying and Geo-information



Ingenieurgesellschaft Nordwest was founded in 1978 by Dipl.-Ing. Jürgen Becker.

Some 150 staff at our five branches now handle orders from central government agencies, state governments and local councils, as well as from the private sector.

With our experienced engineers from a wide range of construction engineering and surveying disciplines we are able to offer you a broad spectrum of engineering services. In addition we have an expert network of experienced specialist planners. We are thus the ideal partner for your demanding planning work with complex cross-disciplinary scopes of tasks.

Our branches

Alongside the head office in Oldenburg, our Berlin branch is an important cornerstone of the company. Further branches are located in Angern (Magdeburg), Wurzen (Leipzig) and Unterschleißheim (Munich).

Our clients

Our most frequent clients include

- Federal and State building authorities
- State planning departments
- Municipalities and local councils
- Power-, gas-, oil-companies and mobile radio telephone system groups
- Public utilities.

ISO 9001

Our quality management system to DIN EN ISO 9001 was introduced and certified in the year 2001. It creates the framework for reliable project handling and smooth office organisation.

Safety Certificate Contractors (SCC)

In order to cater to the growing awareness in the field of occupational health and safety, we apply the SCC Management System for industrial safety.

The Design and Construction Engineering Department is managed by Dipl.-Ing. Wilfried Rennwanz. We handle design and construction engineering projects throughout Germany.

Our scope of services comprises:

- Handling all work phases of the German fee structure for architects and engineers (HOAI) including construction supervision on site
- Concept developments and feasibility studies
- Substantial experience in planning gas compressors and gas drying facilities, as well as gas distribution sites (caverns), incl. infrastructure
- Planning work covered by mining law
- Planning work for complex reinforced concrete structures
- Planning work for bridge structures
- Coordination of subsoil investigations
- Planning work with difficult ground situations (pile foundations, complex sheet piling calculations)
- Planning of technical infrastructure (roads, paths and clear areas incl. water supply and drainage)

The department leaders of our Environmental and Sanitary Engineering Department are Dipl.-Ing. Maik Siebrecht and Dipl.-Ing. Michael Bergmann.

Our scope of services comprises:

- Sewer and drain construction
- Redevelopment
- Sewage and wastewater purification
- Water supply
- Hydraulic engineering
- Hydraulic calculations
- Sewer database
- Expert opinions & general wastewater management plans

Our strengths:

- Handling all work phases of the German fee structure for architects and engineers (HOAI) including construction supervision on site
- Supraregional processing of projects
- Redevelopment of existing structures under extremely difficult framework conditions
- Construction projects in all kinds of security areas (industrial properties, airfields, ports, military establishments, prisons etc.)
- Interdisciplinary project processing

We are one of the leading engineering companies in Germany in the field of inventourising and condition analysis and subsequent redevelopment of sewer networks.

Our Traffic Facilities Department is headed by Dipl.-Ing. Stefan Weise. Traffic-related planning of transport routes inside and outside developed areas makes high demands on consultation and coordination with clients, residents and third parties. We have taken up this challenge and offer you complete service packages. These include topographical inventories, work phases of the German fee structure for architects and engineers (HOAI), construction supervision on site and design and construction surveying. Some projects are processed in joint ventures with firms of town planners and architects or open space planners.

Our scope of services comprises:

- Handling all work phases of the German fee structure for architects and engineers (HOAI) including construction supervision on site and associated surveying works
- Draft and design documents for plan approval procedures with the aid of the program systems Stratis or VESTRA in design and execution planning
- Supraregional processing of projects
- Redevelopment of existing structures under extremely difficult framework conditions
- Construction projects in all kinds of security areas (industrial properties, airfields, ports, military establishments, prisons etc.)
- Interdisciplinary project processing
- Site health and safety coordination

Our Surveying and Geo-information Department is led by Dipl.-Ing. Jürgen Helms. We handle surveying projects throughout the country. Modern equipment and optimised data flows help us carry out demanding work. We are used to operating in critical areas such as airports, port facilities, power stations and military security zones.

With our references, we are among the market leaders in Germany in the field of as-built surveys.

Key areas of our work:

- As-built surveys according to construction guidelines (BFR)
- Engineering surveying
- Routing projects
- Location techniques
- Pipeline surveying
- As-built sewer surveys incl. condition assessment
- GIS services
- Information systems
- Outdoor installation and tree cadastres

