

Image brochure
Engineering Office Poggensee

Company profile

Founding: 1977 by Günther Poggensee as engineering office for planning and project management - Technical Services (MEP)

Type of company: GmbH, since 2006

Head quarter: Hamburg / Germany

Management board: General Manager and
business administration manager

Technical Manager and
Authorized Signatory



Jens Poggensee

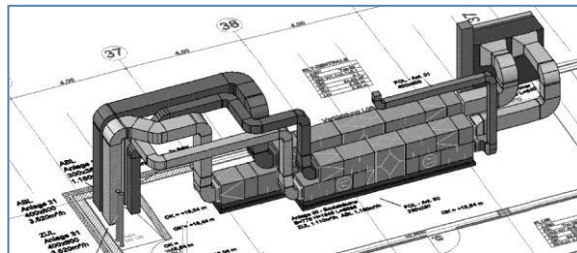


Martin Klasing

Employees: **23 engineers / technicians** for technical trades as follows

- sewage, water and gas installations
- fire protection installations
- thermodynamic installations
- environmental technology
- ventilating installations
- power engineering
- telecommunication- and information technology
- conveying systems
- use specific installations
- building automation

7 technicians / draftsmen for creating technical drawings in 2D- and 3D-design



3 merchants (management assistance, secretary, accounting)

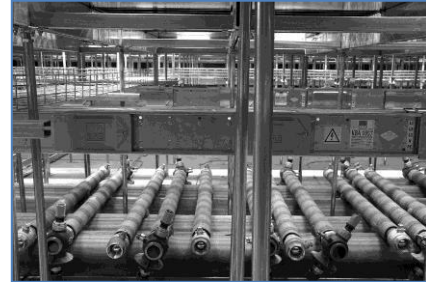
The solid staff is provided by additional freelancers due to the order situation.

Duties: Integrated **complete- and individual MEP-planning and object management** for

- Industry and commercial buildings
- Office- and administration buildings
- School and university buildings
- Institute- und laboratory buildings
- Hospital constructions
- Shopping centers
- Residential buildings



Gate air system, Airbus-Hangar



Underfloor-Cooling, DKRZ

as well as **environmental and energy advice**.

Competences: By long-standing teamwork

- Experience
- Specialized knowledge
- Marked knowledge
- Quality understanding
- Costs consciousness
- Appointment responsibility
- High acceptance at decision makers and authorities

Furthermore the Engineering office Poggen-see is certified by the TÜV Nord as a specialized firm for planning of fire alarm systems according to DIN 14675. The certificates receipt presupposes both, the requisite qualification of fire alarm systems and the work due to a **quality management system**.

The composition of the integrated management system is based on the norms DIN EN ISO 9001:2008 and DIN 14675 (Phase Planning). The developed quality management compendium contains all workflows of the entire company, which are described in form of business processes.



Techn. equipment: The implementation of an integrated, coordinated planning is professionally carried out with updated

- Planning software for technical calculations (water, sewage, warmth, cooling und air) as well as simulations and model experiments
- Tender software with texts and supply evaluations in conformity with the VOB
- Office applications (MS Office)
- CAD application (AutoCAD MEP)

A direct, fast and obligatory communication with the customer and the project participants is guaranteed by electronic data processing systems. Internally there is a networking of all workstations.

Business activities



Basic services: Depending on the task ibp works the services in accordance with § 55 of the Official Scale of Fees for Services by Architects and Engineers 2013, completely or in sections, from establishing the basis of the project until construction supervision and following project management and documentation.

Special services:

- examinations for building and plant optimization in regard to power efficiency and noxious emission
- detailed economic proofs and operating cost calculations
- safety analyses
- economic and profitability studies
- quality assurance

Team construction / allocation of tasks



Project manager: He is

- obliging contact person for the principal / user, the architect, the structural engineer, all special engineers and authority representatives.
- responsible for:
 - + the planning target, the appointments and the costs
 - + the information transfer between principal, external project participants, executing firms and ibp
 - + internal coordination of planning concepts and solution variants
 - + planning inter-appointments
 - + internal coordination of the technical trades
 - + organization of the CAD-legwork
 - + checking the individual and complete planning on plausibility and completeness
 - + quality control

Engineers planning: The ibp-intern departments cover all technical trades.



- Sanitary and fire protection technology
- Heating and refrigeration technology
- RLT- and MSR-Technology
- Electrical technology (high- and low voltage)
- Laboratory technology
- Conveying systems

The engineers handle their technical trades on own authority. A permanent exchange regarding general points is guaranteed by intern coordination and project meetings.

In the planning the requirements of the principal / user as well as the information of the further project team become implemented with the existing Know-how from establishing the basis of the project to implementation planning including standard- and control details for centrals and installations according to engineering rules, DIN-regulations, guidelines and regulatory requirements.

Engineers con-

struction supervision: The specialist site supervisors provided for the construction supervision are already tied into the project at the preparation of bills of quantities. As experience shows the site supervisors are able by this knowledge lead over the beginning of the work to give the supervisors and top fitters of executing companies unequivocal, coordinated and obligatory details and information for the putting into action of an ordered, appointment and cost-conforming construction performance.

The site engineers:

- are (if required) full-time on the spot
- take part in important project meetings
- take part in construction meetings
- are responsible for execution dates, interim and final acceptance, accounting control, removal of defects and handing over of the revision documents



Time management

Time frame:

The observance of tight appointments was realized and guaranteed by us in many projects.

This is reached through:

- tight internal office management
- use of effective technical and electronic tools
- team work of all project participants supported by the structure of our office
- all engineers and CAD-user are long-standing employees of ibp
- all employees work in a common office
- additional effort of further ibp employees at bottlenecks

Ecological competence



The core principal of a responsible project planning with the claim of a resources- and nature-gentle overall planning is in the foreground at the implementation of all tasks;
Economy and ecology connected future-orientated - with responsibility to principal and environment.

Focused on this aspect we planned a variety of environmental projects to protect ground, air and water.

Thereby it came to use:

- Water- and waste-water treatment plants
- Recovery plants for substances and process sewages
- Rain-/river water utilization systems
- Photovoltaic solar power plant
- Block heat and power plant
- Geothermal energy
- Solar heat



Photovoltaic plant, Hangar 7

Interference-free work flow in continuous operation



At a variety of projects our office is used to implement building activities in continuously operating state.
Therefore sufficient experience exists.

Our measures, to guarantee an interference-free expiry:

- Obtaining comprehensive knowledge about the direct and adjacent structural stock including all MEP-connections for utility connections and disposal systems already in the planning stage.
- Possession of all information about operating times, working sequences and operational concepts of the users concerned.
- Coordinating the measures with all project participants and users at connections in continuous operation
- Coordination of time slot for connections and interim measures with users and supply companies at an early stage. Preferably already flowing as a position into the bill of quantities.
- Connections, which are - due to an interruption free operation - just possible beyond the normal work time, planning detailed, coordinating with all participants and talk over with the concerning executing firms before implementation.
- If possible, intense noise, dust- and concussion causing measures letting execute beyond the normal work time respectively in stoppages.

Construction contracts procedures



In principle, the engineers employed by ibp for object supervision tasks are generally familiar with the building law and construction contracts procedures.

Advanced training by extern building contract law experts guarantee a current state of knowledge of our employees concerning construction contracts procedures 2016 and the BGBs low of contract for work and labor amongst others to the topics:

- impairments in construction handling
- time limits
- delay and its consequences
- contract penalty
- hindrance to and interruption of the execution
- cancellation by the customer
- cancellation by the contractor



as well as invoice, acceptance at the building contract, invoice at the building contract, basis of the contract creation, time works and measures before, during and after the acceptance.

Quality management



As an alternative to the full performance profile according to HOAI ibp offers project-attendant quality management.

Nearby the following planning- and awarding documents are proofed to conformity with the clients will:

- Execution drawings
- Working- and erection planning
- Bills of quantities

During the execution ibp guarantees conformity with the planning and legal / technical regulations by controls on site. Deviations and defects are recorded, if necessary also documented photographically. We do an active supplement defense in the customers' interest.

Especially at general constructor projects our companion has a quality safeguarding and cost saving effect for the clients.

Contact

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GEBÄUDE-, ENERGIE- UND UMWELTTECHNIK



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