

Hackmann+Kollath Ingenieur-Consult GmbH

Company Profile



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1 Office in general

Office in general

Brief description of the hkc – Hackmann+Kollath Ingenieur-Consult GmbH

Office owner / managing partners:

Dipl.-Ing. Marc Hackmann

Dipl.-Ing. Sven Kollath

Formation of our office:

January 2001

Members of staff:

61 Engineers / architects / specialist consultants / technicians

05 Secretaries / skilled office employees

04 Trainees



2 Places of location

Places of location



Rostock

Mühlendamm 8b • 18055 Rostock • Germany
Phone : +49 381 20357-0 • fax : +49 381 20357-29
rostock@hkc-gmbh.com

Hamburg

Boschstraße 23 b • 22761 Hamburg • Germany
Phone : +49 40 8971213-0 • fax : +49 40 8971213-15
hamburg@hkc-gmbh.com

Bremen

Mary-Somerville-Straße 9 • 28359 Bremen • Germany
Phone : +49 421 278478-0 • fax : +49 421 278478-29
bremen@hkc-gmbh.com

Duisburg

Philosophenweg 31, 33 • 47051 Duisburg • Germany
Phone : +49 203 3937628-0 • fax : +49 203 3937628-29
duisbug@hkc-gmbh.com

3 Certificates / quality

Quality Management	Pre-qualifications	Bahn AG	Chamber of engineers / architectural association	Fire protection
<ol style="list-style-type: none"> 1. Certified management system DQS GmbH <ul style="list-style-type: none"> • Planning of fire alarm systems 2. Internal management system <ul style="list-style-type: none"> • hkc internal quality assurance concept 	<ol style="list-style-type: none"> 1. Bahn AG construction supervision Pre-qualification for the product division building inspection for building products 1 to 7 <ol style="list-style-type: none"> 1 Ballast track system 2 Non-ballasted track 3 Ground construction Civil engineering underground 4 Ground constructio Special foundation construction 5 Construction Engineering 6 Mined space 7 Rail transport facilities for persons 	<ol style="list-style-type: none"> 1. Construction supervision Bahn <ul style="list-style-type: none"> • Construction- and safety supervisor • T1 – Railway system (046 275) • T2 - Main operational area railtrack (046 276) 2. Responsible person for work E <ul style="list-style-type: none"> • Responsible person for assurance of safety when working near overhead contact lines 3. Overhead contact switching requester <ul style="list-style-type: none"> • 15 kV overhead contact wires 4. Bahn earthing <ul style="list-style-type: none"> • 15 kV overhead wiring • 1,2 kV power rail systems suburban railway 5. MKS <ul style="list-style-type: none"> • competence to assess the MKS writ according RIL 824.8010 6. dv supported inspection <ul style="list-style-type: none"> • dv supported inspection according 821.2005 	<ol style="list-style-type: none"> 1. Authorization for signing building documents <ul style="list-style-type: none"> • Registered in the list of engineers and architects who are authorized to sign building documents 2. Consultant engineer <ul style="list-style-type: none"> • Registered as consultant engineer 3. SiGeKo <ul style="list-style-type: none"> • Security and health protection coordinator according construction site ordinance 	<ol style="list-style-type: none"> 1. Fire alarm systems <ul style="list-style-type: none"> • Responsible person for fire alarm systems according DIN 14675 2. Fire protection engineer <ul style="list-style-type: none"> • according § 66 clause 2 Landesbauordnung (regional regulation for buildings) Mecklenburg-Vorpommern

4 Fields of activity / services

Fields of activity

Project management

- Construction supervision
- Project management
- Project development
- Project leading
- Project control
- Risk management
- Budget management

Traffic infrastructure

- Railway stations / transport depot
- Roads / lanes / public open spaces
- Rail
- Airports
- Landscape architecture
- Noise protection technique

Civil engineering

- Support structure planning
- Bridge construction
- Tunnel construction
- Substructure
- Harbour facilities

Architecture / interior design

- Office / administration
- Industry / trade
- Buildings of the Bundeswehr
- Renovation of old buildings
- Development / education
- Sport / free time
- Airport / local traffic

Central building control system

- Heating / ventilation / sanitary facilities
- Electro-technics
- Central building control system
- Telecommunication systems
- Information- and signal engineering
- Safety engineering
- Elevator-/conveyor- and storage techniques
- Kitchen technology

Canalization / water economy

- Supply and return pipe work
- Supply and return systems

For all fields of action, our service offer includes the basic and special performances according HOAI for the work phases 1-9.

5 Equipment

Pc-stations / mobile work stations (notebooks)

**35 Pc-work stations and 25 mobile work stations,
crosslinked via server in all our offices**

- thereof:
- 10 workplaces architecture
 - 25 workplaces engineering
 - 10 workplaces structural analysis / support structure planning
 - 10 workplaces TGA
 - 05 workplaces office management
- Editing and processing of text, graphics, tables, diagrams
 - Technical calculations
 - Internet access at every work station
 - Data transmission and exchange via intranet or e-mail (DSL)

Specific software for civil engineering (extraction)

13 CAD software to process all structural and civil engineering tasks

thereof:

- 07 Licenses Nemetschek Allplan / BIM 2008 Architecture
- 04 Licenses Nemetschek Allplan / BIM 2008 Civil Engineering
- 01 License AutoCAD 2004 LT
- 01 License AutoCAD 2009 LT

- Creation and processing of drawings in 2D and 3D civil engineering
- Creation of detailed 3D-models for determination of quantities, calculation of areas and schedule of finishes according DIN 276
- Interface and data exchange: DWG, DXF, DGN, C4D, 3DS, WRL

07 AVA Software for tender and project control

thereof:

- 03 Single user licenses Arriba Planen (for planning) 12.4
- 04 Network licenses Arriba Planen (for planning) 12.4

- Creation and processing of contract specifications and tender documents
- Analysis of offers, creation of price comparison lists and placing incl. creation of order- and service specifications
- Subcontracting control
- Quantity survey by using schedule of finishing and data exchange out of CAD
- Cost estimate and –calculation according DIN 276
- Supervision of construction projects and project management
- Cost control and –monitoring
- Digital control of site measuring and creation of respective Arriba calculations
- Data exchange over GAEB, RPA, DA

14 TGA Software

thereof:

- 04 Dialux 4.5
- 04 Calcus 2004
- 01 Network license DDS* heating, ventilation, sanitary
- 01 Network license DDS* electric powered
- 04 Relux

- Lichtbemessungen
- Berechnung von Kurzschlussströmen und Spannungsfällen
- Planung und Berechnung von HLS

* Data Design System

Project specific software (extraction)

02 Software for support structure planning

thereof:

02 MB-Software for construction analysis

- Calculation of 2D / 3D constructions
- Verification management according European standards
- Calculation of areas and lattice truss
- Finite Element Method (FEM)

04 Software underground construction planning

thereof:

02 Geovision*

02 Plateia

- Superior planning in traffic route engineering
- Surveying, digital terrain model, road and rail construction in floor plan, longitudinal and cross section, conduit planning, quantity survey and purchase of site
- Intuitional processing while at the same time observing guidelines and the specific requirements of our customer
- OKSTRA-REB for data exchange and fully developed interface to other systems
- Conjunction of surveying and geographical basis system
- Floor plan with axial line routing, automatically generated crossings, circles and reverser
- Dynamic tractrix (minimum turning curve) for optimal control and documentation of movements of vehicles
- Modular cross-section design with track referred building blocks
- Comprehensive technical catalogue and the spanning Horizontmanager
- Plot-assistants to automatically create – by using project data - drawings that are ready for delivery

Other software

thereof:

- Barthauer Kanaldatenbank (data bank for canalization)
- Software for calculation of thermal insulation according EnEV (energy saving regulation)
- Diverse software for picture editing
- Computer animation software to create high class rendering
- Software for calculation of de-watering and drains
- Database
- Software for calculation of noise protection
- Software for project management (scheduling)
- System software Windows
- Office Software (Word, Excel, PowerPoint, Outlook, Access)
- EPASS-Helena 5.0 Professional
- EPASS-Helena 5.0 18599

Technical equipment (extraction)

- 03 Server for interconnection of work stations via intranet
- 03 Plotter for colour- and black and white printing, up to DIN A0 plus size
- 03 Digital copying machines for copying, printing, scanning
- 02 Folding machines to fold plans and drawings according DIN
- 03 Scanner for digital picture editing and creation of graphic files for digital dispatch
- 04 Laser-fax machines
- 04 Laser printer, black and white printout for up to DIN A4
- 02 Laser printer, coloured printout for up to DIN A4
- 02 Laser printer, coloured printout for up to DIN A3
- Diverse digital camera for documentation and digital picture editing