COMPANY UPDATE

2018 / 2019





INGENIEURE

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Design and Construction Supervision for Deal Comment of Bulklaw Meets charaction III, Hochhem Main

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People throughout the world have rising expectations regarding the development of their quality of life. Likewise and in tow with this, the sense of responsibility to fair better for society and the environment is growing in many economic, industrial and political sectors. Technology, globalization and networking are advancing on a daily basis. Tasks and requirements are subject to constant change.

Since its founding in 1946, KOCKS ENGINEERS have been committed to performing sophisticated infrastructure assignments with high responsibility in dynamically changing environments. With sound, quality-assured services KOCKS ENGINEERS provide clients with comprehensive solutions and support them both in the implementation of their tasks and the consolidation and development of their market position. Through their performance, KOCKS ENGINEERS aim at contributing to an improved quality of life and the value-based development of economic hubs and businesses.

Today, KOCKS ENGINEERS focus on the sectors of water supply and disposal, transport infrastructure, industrial construction as well as environment and waste management. Since 2015, KOCKS ENGINEERS have developed their knowledge in 3D planning towards Building Information Modeling (BIM) oriented planning processes. KOCKS ENGINEERS satisfy engineering consultancy requirements of public clients, internationally financed technical and financial aid projects and many clients from industrial and private backgrounds worldwide.

The key to KOCKS ENGINEERS' and our clients' success lies in the high individual competency and professionalism of our project leading engineers coupled with interdisciplinary cooperation of quality-committed teams that assist our clients throughout the whole project and onwards after completion. Strategic partnerships with like-minded professional partner companies complete this portfolio on an international scale.

Today, about 200 engineers, technicians, scientists, economists and other experts closely related to the construction sector provide consulting services from currently eleven branch offices and construction sites in over 30 countries worldwide. KOCKS ENGINEERS are registered with most international financing institutes and operate an integrated risk and quality assurance management system. KOCKS ENGINEERS have been continuously certified according to current ISO 9001 since 2006. Dedicated health and safety, business integrity and data protection management systems complete our professional approach.

KOCKS CONSULT GMBH • Head Office • Stegemannstr. 32-38 • 56068 Koblenz / Germany • Tel. +49 261 1302-0 • Fax +49 261 1302-400 • info@kocks-ing.de • www.kocks-ing.de
KOCKS CONSULT GMBH • Branch Office Frankfurt • Darmstädter Landstr. 104 • 60598 Frankfurt/M / Germany • Tel. +49 69 420989-0 • Fax +49 69 420989-12 • infoffm@kocks-ing.de
KOCKS CONSULT GMBH • Branch Office Bonn • Wesselstraße 1 • 53113 Bonn / Germany • Tel. +49 228 72629-0 • Fax +49 228 72629-20 • infobonn@kocks-ing.de
Certified according to ISO 9001:2015





Building Information Modeling

Combining and coordinating the BIM activities of the Transport, Drainage, Civil Engineering, Infrastructure and Mechanical Engineering departments of KOCKS ENGINEERS.

Services KOCKS ENGINEERS

- 3D modeling of single objects;
- Combining single objects to joint models;
- Attribution (geometry, materials, costs);
- Collision checks within the joint model;
- Establishment of harmonised processing methods.

Technical advice for construction of WWTP Umm Al Hayman, Kuwait

Construction of a wastewater treament plant at Umm AI Hayman with a treatment capacity of 500,000 m³/d or 1,700,000 PE. Donor-financed BOT model including financing, planning, construction and operation of the WWTP.

Client WTE Wassertechnik, Essen

Financing Multi-donor international banks

Services KOCKS ENGINEERS Technical advice to the banks. Engineering due diligence and risk assessment of the project.





Rehabilitation of 5-span steel bridge crossing river Kura, Azerbaijan

Increasing load capacity and rehabilitation of the load-bearing structure and abutments of the bridge originally constructed in 1992. Rehabilitation of the superstructure and ramps of the 315 m long bridge crossing the river Kura on the road from Baku to Iran.

Client State Agency of Azerbaijan Automobile Roads

Finanzier World Bank (IBRD)

Services KOCKS ENGINEERS Consulting advice during the planing stages. Design review, tendering, construction supervision and acceptance.

Sanitary landfill Kharkiv, Ukraine

Construction of a new sanitary landfill covering an area of approx. 14 ha, including new sorting and leachate treatment plants. Closure of an old landfill area of approx. 12 ha.

Client Municipality of Kharkiv / Municipal Company for Waste Management

Financing World Bank (IBRD)

Services KOCKS ENGINEERS Supervision of landfill extension works. Rehabilitation and closure plan and supervision of closure works. Tender evaluation, assistance in procurement, design, tendering and assessment of additional leachate treatment plant.







Noise and vibration study along the regional road R-32, Azerbaijan

Rehabilitation of 70.5 km two-lane regional road (R-32) between the cities Ujar and Agjabaedi.

Client National Road Authority

Financing Asian Development Bank (ADB)

Services KOCKS ENGINEERS Study of noise and vibration impacts during construction and operation. Identification of sensitive areas, noise and vibration measurements, spreading calculations and recommendations for protection measures.

Climate mitigation measures for infrastructure investments in Mozambique

Development of strategies and training of government experts in terms of how to consider the consequences of climate change in infrastructure planning processes.

Client ANE (National Road Administration of Mozambique)

Financing Nordic Development Fund (NDF)

Services KOCKS ENGINEERS Consulting and assistance in: design review, revision of guidelines, vulnerability assessment and implementation of construction works.



Passage through Lichinga, Mozambique © Finnish Overseas Consultants Ltd.



Waste management consultancy Serbia

Preparation of two feasibility studies for investment measures in the regions Krusevac and Vranje for attaining compliance with European waste management standards.

Client Ministry of Construction, Transport and Infrastructure of the Republic of Serbia

Financing Kreditanstalt für Wiederaufbau (KFW)

Services KOCKS ENGINEERS Preparation of waste management scenarios. Assessment of technical and financial feasibility. Priority investment plan, cost-benefit analysis.

Extension of CAREC road corridor Dushanbe -Kurgonteppa, Tajikistan

Four-lane extension between Dushanbe and Chashmasoron including upgrade of an intersection and connections of access roads. 33 km federal highway, 1 km connecting ramps, 1.2 km national road.

Client Ministry of Transport of the Republic of Tajikistan

Financing Asian Development Bank (ADB)

Services KOCKS ENGINEERS Consulting and assistance in: construction supervision, project management, environment and resettlement monitoring, road safety audit, implementation of a financial management system.







Waste management projects Maldives

Preparation of several feasibility studies for waste disposal in the atoll. Design and tender for waste treatment plants (landfill island Tilafushi, Addu City) and waste transfer station for Malé.

Client Ministry of Environment and Energy

Financing Various (self-funding, ADB, EU, IRENA)

Services KOCKS ENGINEERS Preliminary and approval design, environmental impact assessment (carried out by project partner), preparation of tender documents for plant construction and provision of plant operating vehicles.

Development of new residential area "Rheinquartier" in Lahnstein

Reconstruction of former industrial area into residential area, well-located and with total surface of 8 ha.

Client Rheinquartier GmbH & Co. KG

Services KOCKS ENGINEERS Feasibility study for development, transport facilities, road and drainage design. Design and coordination of underground development for media supply.





Rainwater System Chennai, India

Internationally financed design for new rainwater drainage system for 900 ha subterritory of the sixth largest city of India, Chennai (Madras). Total length of storm water sewers 52 km, including 27 outlets into Bay of Bengal.

Client Greater Chennai Cooperation / KfW

Services KOCKS ENGINEERS Detailed survey, hydraulic calculations, environmental assessment, detailed design, preparation of tender documents.

Connecting small villages of Irimeti Region to Georgia's highway network

Rehabilitation and extension of the Dzirula – Chumateleti Road, mostly along Dzirula River (50 km). Alternative route to highway E-60.

Client Road Department of the Ministry of Regional Development and Infrastructure of Georgia

Financing Asian Development Bank (ADB)

Services KOCKS ENGINEERS Survey, geotechnics. Detailed design including road and drainage design, four new bridges, environmental study and land acquisition plan. Tender documents.







Reconstruction of crane system, Automotive

Reconstruction of steel construction and crane bridge for outdoor crane at the forge building of a car factory. Removal of the old crane system and construction of a new system with enhanced capacity from 5 to 10 tons. Local rehabilitation and substructure.

Client Automotive

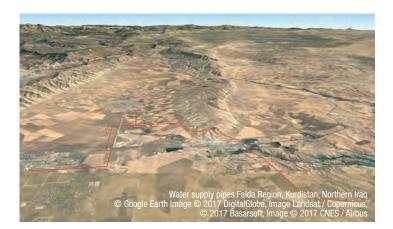
Services KOCKS ENGINEERS Architectural design, structural design, technical facilities and equipment, site supervision and health and safety coordination.

Drinking water supply Kurdistan, Northern Iraq

Securing drinking water supply for refugees and internally displaced people (IDP) camps as well as for receiving municipalities in Dohuk Governorate, Northern Iraq. Construction of new water intake at Mossul lake, water treatment plant (5,000 m³/d), 18 km pipelines (DN 300 to DN 1200) and water tank (12,000 m³).

Client Gesellschaft für Internationale Zusammenarbeit (GIZ)

Services KOCKS ENGINEERS Preliminary design, detailed design, tender documents, site supervision.





Extension programme Frankfurt International Airport

Client Fraport AG

Services KOCKS ENGINEERS:

Extension of Southern Taxiway System Lot 3 Underground cable works

Landside Development South-East / Terminal 3

Transport facilities design (public and service roads network), microsimulation traffic flow, design for civil engineering structures, consultancy and assistance during design variation procedures, construction phase planning and construction supervision.

Rehabilitation of wastewater pumping stations

Rehabilitation of mechanical and electrical equipment at wastewater pumping stations.

Client Municipalities of Bonn, Koblenz and Montabaur

Services KOCKS ENGINEERS Preliminary design, draft design, detailed design, tender preparation and assistance, construction supervision.







Highway modernisation at Europe's largest inland port in Duisburg

Extension to eight lanes of federal highway A 40 between junctions DU-Homberg and DU-Häfen, including construction of new Rhine bridge at Duisburg-Neuenkamp.

Owener Federal Republic of Germany

Client DEGES

Services KOCKS ENGINEERS Transport facilities design, consisting of feasibility study, preliminary design, draft design and approval design. Noise study, construction logistics, site management. Structure & bridge design by Leonhardt, Andrä & Partner.

Transport Corridor China - Eastern Europe, Southern Kazakhstan

Road rehabilitation and construction under Central Asian Regional Economic Cooperation (CAREC), total length 2,715 km.

Client Ministry of Infrastructure and Development, Kazakhstan

Services KOCKS ENGINEERS Construction supervision for road sections at Taraz (65 km) and Karnei (49 km).





Waste disposal for 28 cities and municipalities in Korca Region, Albania

Construction of new landfill site for Korca Region with capacity of approx. 725,000 tons waste (planning period till 2032). Construction of three new waste transfer stations.

Client Korca Regional Waste Management Company

Financing KfW Entwicklungsbank

Services KOCKS ENGINEERS Draft design, detailed design, tendering, site supervision, training.

Wastewater and waste treatment for World Horticultural Exposition and neighboring settlements in Qingdao, China

Semicentralised supply and treatment centre for evaluation, optimisation and further development of integrated infrastructure approach.

Client Ministry of Education and Research, Germany

Services KOCKS ENGINEERS Basic evaluation, engineering calculations, assistance to Client in: approval and detailed design, tender documents and procurement.

Project Partner: Technical University Darmstadt (Research and Project Management)







Feasibility for Rhine Bridge at Bendorf, Germany

Renovation of the river bridge and foreland bridge, including appropriate adjustment of the transport facilities in the foreland areas and the junction Bendorf-Neuwied of the state highway A48.

Client Landesbetrieb Mobilität Rheinland-Pfalz

Services KOCKS ENGINEERS Feasibility study for transport facilities

Structural Bridge Design Leonhardt, Andrä & Partner

Sewer construction at Dümmerbach, Germany

Replacement of open sewers by an interception system parallel to the stream. Construction of 2,000 m of new sewers DN 600 - 2,200 by cut-and-cover method and pipe jacking. Construction of a regulating plant, a rainwater overflow structure and a discharge facility.

Client Lippeverband

Services KOCKS ENGINEERS Supervision of civil engineering structures (HOAI Phases 8 & 9), site supervision, site management and project support.





Construction of new metal refining plant, Germany

Construction of a new steel hall (L / W / H = approx. 300 / 35 / 30 m) with crane operation (6 cranes, up to 35 tons) for tinplate furnishing in packaging industry, including several connection structures. Construction of media compartments and transformer house.

Client thyssenkrupp Rasselstein GmbH

Services KOCKS ENGINEERS Structural design, BIM oriented 3-D design.

Municipal sewage treatment enhancement for the city of Nanning, Southern China

Extension and rehabilitation of municipal wastewater treatment plant (PE 820,000) through construction of new additional sewage treatment plant (50,000 m³/d). Renovation of machinery of the three existing sewage treatment plants (each 100,000 m³/d).

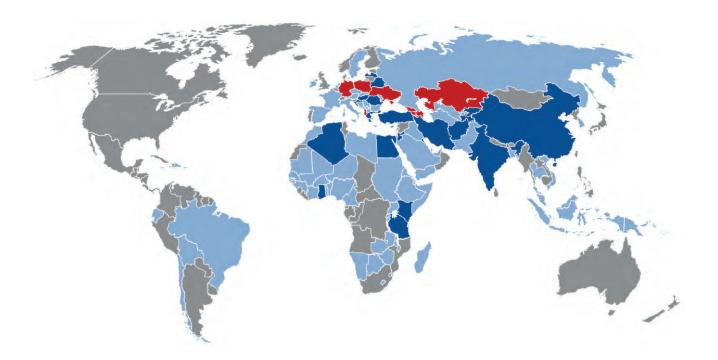
Client Guangxi Nanning Water Co., Ltd.

Financing KfW Entwicklungsbank

Services KOCKS ENGINEERS Consulting and assistance during: tender, procurement, construction supervision and acceptance, defects notification period.



Comprehensive Engineering Solutions worldwide since 1946



Registered KOCKS Branches: Albania, Armenia, Azerbaijan, Germany, Georgia, Kazakhstan, Malta, Poland, Ukraine

Projects 2018 in: Afghanistan, Albania, Algeria, Armenia, Azerbaijan, Belarus, China, Croatia, Cyprus, Egypt, Georgia, Ghana, Greece, Hungary, India, Iraq, Iran, Jordan, Kazakhstan, Kenia, Kyrgyzstan, Kuwait, Latvia, Luxembourg, Maledives, Malta, Montenegro, Poland, Romania, Russia, Tajikistan, Tanzania, Turkey, Ukraine, Uzbekistan

Project countries since 1946 (historical overview)

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Publisher and VisdP:

Kocks Consult GmbH Stegemannstr. 32-38 56068 Koblenz/Germany

Phone: +49 261 1302-0 Fax: +49 261 1302-400 E-Mail: info@kocks-ing.de Web: www.kocks-ing.de

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