



Functional tender for the overall measure at the Federal Highway A 544  
Construction of the bridge over the Haarbach Valley



Consulting services for the construction of a rainwater overflow basin on the  
Youjiang River in Tiandong, China



Design and construction supervision for the Dausenau railway bridge over  
the line between Bad Ems and Nassau

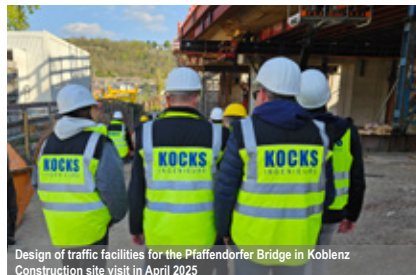
## KOCKS INGENIEURE

Comprehensive Engineering Solutions - worldwide since 1946

## KOCKS ENGINEERS



Design and construction supervision for a pipe relining in Frankfurt



Design of traffic facilities for the Pfaffendorfer Bridge in Koblenz  
Construction site visit in April 2025



Design and construction supervision for a 30 kV line in Frankfurt

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Dear clients, dear employees, dear friends of the house,

The development of our company in 2025 was again very positive and we thank you all for your contributions and good cooperation! In 2025, we successfully implemented more than 500 projects in Germany and abroad, for the public sector, the private sector and IFI-funded programs within our broad spectrum of services:

**TRANSPORT:** FEDERAL HIGHWAYS ++ RURAL AND DISTRICT ROADS ++ URBAN ROADS ++ TRAFFIC STRUCTURES ++ AIRPORTS ++ RAILWAYS ++ INTERNATIONAL HIGHWAYS **AREA DEVELOPMENT:** BUILDING AREAS ++ INVESTMENT PROJECTS ++ INDUSTRIAL PARKS ++ FREIGHT CENTRES **URBAN AND SPATIAL PLANNING:** URBAN LAND-USE PLANNING ++ DEVELOPMENT PLANS ++ ECOLOGY AND LANDSCAPE DESIGN **INDUSTRY:** AUTOMOTIVE ++ CONSTRUCTION MATERIALS ++ ENERGY INDUSTRY ++ GLASS PRODUCTION ++ MECHANICAL ENGINEERING ++ PAPER- AND CHEMICAL INDUSTRY **STRUCTURE ENGINEERING:** INSPECTION OF STRUCTURES ++ REINFORCED CONCRETE STRUCTURES ++ REHABILITATION ++ STEEL CONSTRUCTION ++ CIVIL AND FOUNDATION ENGINEERING **TECHNICAL EQUIPMENT AND FACILITIES:** ELECTRICAL ENGINEERING ++ HEATING / AIR CONDITIONING / VENTILATION ++ MECHANICAL ENGINEERING ++ MEDIA SUPPLY ++ SANITARY PROVISIONS **WATER:** SEWER SYSTEMS ++ SEWER REHABILITATION ++ WASTEWATER TREATMENT PLANTS ++ WATER SUPPLY **ENERGY INFRASTRUCTURE:** COGENERATION PLANTS ++ MEDIA SUPPLY ++ **CLIMATE-SENSITIVE PLANNING:** CO<sup>2</sup>-REDUCTION THROUGH DISTRICT HEATING SYSTEMS ++ CONSULTING IN CLIMATE-SENSITIVE PLANNING OF INFRASTRUCTURE PROJECTS ++ RECYCLING ECONOMY IN INDUSTRIAL PARKS ++ FLOOD PROTECTION ++ URBAN DEVELOPMENT **WASTE:** LANDFILL CONSTRUCTION ++ WASTE TREATMENT AND DISPOSAL ++ LANDFILL GAS UTILIZATION ++ LANDFILL LEACHATE TREATMENT **ENVIRONMENTAL & NOISE PROTECTION, OCCUPATIONAL SAFETY:** ENVIRONMENTAL AND SOCIAL MONITORING AND STUDIES ++ NATURE AND SPECIES PROTECTION ++ NOISE AND VIBRATION ASSESSMENT ++ HEALTH AND SAFETY COORDINATION

We hope you enjoy reading our COMPANY UPDATE 2025 / 2026 and wish you a relaxing holiday season and a happy New Year!

Stay safe and visit us on our webpage [www.kocks-ing.de](http://www.kocks-ing.de).

Dr. Henning Kocks   Michael Brinkmann   Oliver Hömmerich



Inspection of the bridge over the river Moselle

**Major inspection of the Moselle Bridge along the Federal Highway A 8**

Inspection of the 600 m long steel composite bridge over the river Moselle, which is part of the Federal Highway A 8.

**Client** German Federal Highways Authority

**Services KOCKS ENGINEERS** Major bridge inspection including traffic safety measures and equipment provision on the motorway bridge over the Moselle. Special inspections in the bridge box girder for detailed crack recording/documentation at the damaged steel junctions.

**Modernisation and extension of the Tbilisi - Rustavi connecting road in Georgia**

Extension of one of Georgia's most important connections on the Tbilisi - Red Bridge (border with Azerbaijan) corridor on the east-west axis between Europe and Asia. The aim is to create an efficient, safe and environmentally friendly connection for international transit traffic and residents in the region.

**Client** Municipal Development Fund of Georgia (MDF)

**Services KOCKS ENGINEERS** Feasibility and economic viability study, detailed design, geotechnical and hydrological investigations, preparation of tender documents, integration of road safety audit.



Existing road Tbilisi - Rustavi including new routing



District heating pipeline construction in the street Wesselstraße

**Upgrading the supply infrastructure in the city of Bonn**

Renewal of the supply infrastructure of Bonn-Netz GmbH in Bonn city centre. New installation and relocation of district heating, gas, water, electricity and cables.

**Client** Municipal provider Bonn-Netz GmbH

**Services KOCKS ENGINEERS** Design, tendering, construction supervision, pipeline inventory design.

**BIM design for E-STATCOM Wendlingen**

Design and construction of an E-STATCOM facility as part of reactive power compensation measures. Main building with converter/capacitor halls and operations building. Outdoor and transport facilities with ancillary buildings and primary technical equipment.

**Client** Hitachi Energy

**Financier** TransnetBW GmbH

**Services KOCKS ENGINEERS** BIM design, design of technical equipment, design of buildings, traffic facilities and drainage.



Support structure of the E-STATCOM building [Photo: © TransnetBW GmbH]



Construction site of the Haarbach Valley Bridge nine months before opening

**Replacement of the Haarbach Valley Bridge on the highway A 544 in Aachen**

Successful completion of the construction project in just 20 months. Opened to traffic on 8 September 2025. The 'Aachen model' serves as a blueprint for future replacement constructions.

**Client** German Federal Highways Authority

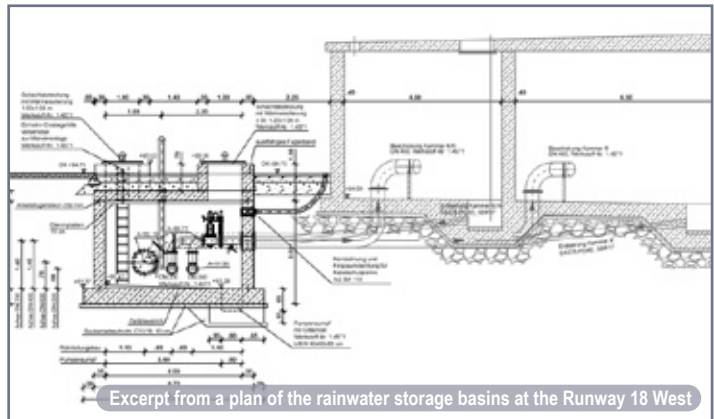
**Services KOCKS ENGINEERS** Design of traffic facilities, functional tendering of the entire project, landscape management planning, traffic management during construction on the motorway network and the subordinate network, basin facility, water law permit applications, Haarbach waterway conversion, approval documents, soil protection concept.

**Drainage of Runway 18 West, Frankfurt Airport**

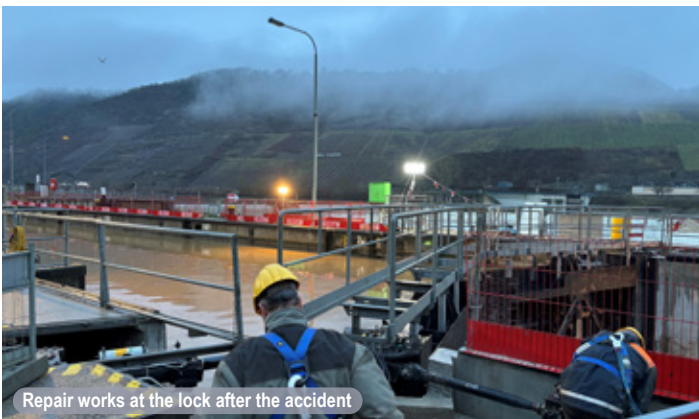
Rehabilitation of the northern drainage section of the Runway 18 West at Frankfurt Airport. As part of a consortium, Kocks Engineers are responsible for the design of the secondary drainage system, including the associated shaft structures, as well as for the design of a rainwater pumping station and a rainwater storage basin.

**Client** Fraport AG

**Services KOCKS ENGINEERS** Design of civil engineering structures, structural engineering, mechanical engineering.



Excerpt from a plan of the rainwater storage basins at the Runway 18 West



Repair works at the lock after the accident

**Health and safety coordination for the repair of the lower gate at the river lock at Müden**

Repair of damage caused by an accident to the lock. Drainage of the chamber, high-pressure concrete water jetting, installation of sealing strips, concrete work with facing formwork, installation of neck bearing blocks, gate installation.

**Client** Waterways and Shipping Authority Mosel-Saar-Lahn

**Services KOCKS ENGINEERS** Health and safety coordination.

**BIM design for the replacement construction of a motorway bridge at Nürburg**

Rehabilitation of the approx. 80 m long Potsdamer Platz Road Bridge on the B 258 motorway near Nürburg with implementation of design services using BIM methodology.

**Client** Rhineland-Palatinate State Mobility Agency

**Services KOCKS ENGINEERS** 3D as-built model, variant analysis, draft design, BIM design.



3D view of the motorway bridge Potsdamer Platz



3D visualisation of office building and production facility

**Construction of an innovation centre for the refractory industry, Neuwied**

Construction of a new office building (solid construction) and individual room modules (self-supporting drywall construction) within an existing industrial hall for future use as laboratory rooms. Provision of the media technology supply for the labs.

**Client** Calderys Deutschland GmbH

**Services KOCKS ENGINEERS** Feasibility study, structural design and overall design of the office building up to approval stage. 3D visualisation, design of the technical equipment, preparation of tender documents, construction supervision.

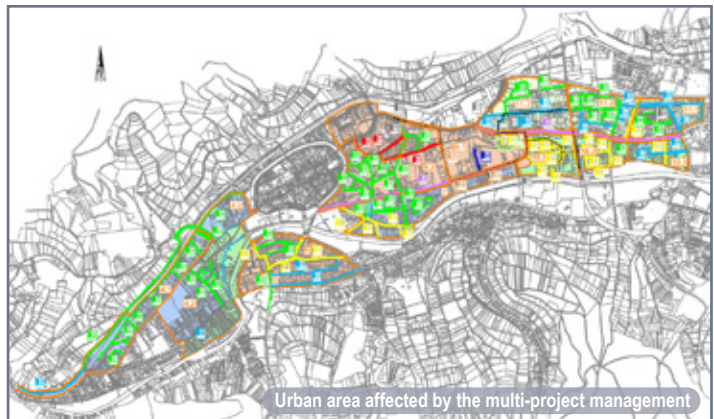
**Reconstruction of the Ahr Valley**

Multi-project management for the reconstruction of general public infrastructure (supply and disposal lines as well as transport facilities) following the flood disaster in the Ahr Valley on 14 July 2021.

**Client** City of Bad Neuenahr-Ahrweiler

**Services KOCKS ENGINEERS** Individual and multi-project management in civil engineering in accordance with project stages 1 to 5 of the AHO (Committee of Associations and Chambers of Engineers and Architects for the Fee Structure).

Project partner: IMC Ingenieur Management Consult GmbH



Urban area affected by the multi-project management



Overview of the B 237n road

**B 237n Road – Construction of the Hückeswagen bypass**

Construction of a 3.6 km long bypass to reduce the traffic load on the town centre of Hückeswagen, a small town in North Rhine-Westphalia dating back to medieval times. Approximately 25% of the bypass is located in a water protection area. The uneven terrain requires a large number of retaining walls.

**Client** Road Building Authority of North Rhine-Westphalia

**Services KOCKS ENGINEERS** Design of transport facilities and civil engineering structures, health and safety coordination, technical contribution to the Water Framework Directive, project management.

**Construction of the Dausenau Railway Bridge**

Construction of a new road bridge with sheet pile box abutments and precast superstructure with in-situ concrete addition over the double-track railway line Bad Ems – Nassau. Establishment of traffic connections on both sides and relocation of supply roads.

**Client** Local community of Dausenau/Lahn and Bad Ems-Nassau municipal utilities

**Services KOCKS ENGINEERS** Structural bridge engineering, including road design and new drinking water pipeline. Design, structural analysis, tendering, construction supervision and site management. Structural inspection of the existing bridge, including provision of equipment.



Lifting of precast superstructure elements



View on the grid booster at Kupferzell [Photo: © TransnetBW GmbH]

### Kupferzell grid booster

The energy supplier TransnetBW is constructing a grid booster system in Kupferzell with 30 battery storage units in so-called sub-nests. These can compensate for overloads in the transmission grids within seconds by feeding stored energy behind the bottleneck in a (semi-)automated manner.

**Client** Siemens Energy for TransnetBW GmbH

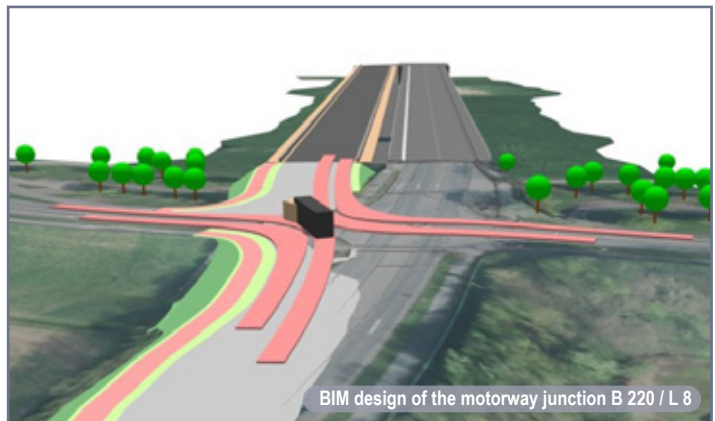
**Services KOCKS ENGINEERS** Preparation of cable routing plans for medium-to-low voltage cables. Consulting services for design and implementation with regard to property protection requirements (burglary, fire, video, access).

### BIM design of traffic facilities for the replacement construction of the foreland bridge at Emmerich Rhine Bridge

Replacement construction of the 400 m long foreland bridge as part of the B 220 motorway and reconstruction of the B 200 / L 8 junction. At the same time, the drainage system for the foreland bridge and the Rhine bridge will be upgraded to the latest technical standards. Treatment plants are planned on both sides of the Rhine.

**Client** IB Grassl GmbH for Road Construction Authority of North Rhein-Westphalia

**Services KOCKS ENGINEERS** Design of transport infrastructure, noise assessment, hydraulic investigations, BIM design.



BIM design of the motorway junction B 220 / L 8



Construction works on rainwater overflow basin

### Youjiang River Basin Management, China

Improving the quality of life in Tiandong Province by improving the ecological condition of the Youjiang River. Construction of the sewer network and storm water overflow basins. Upgrading and construction of sewage treatment plants and establishment of a water monitoring and management system in urban and rural areas in Tiandong.

**Client** Tiandong County Development and Reform Commission

**Financier** KfW Development Bank

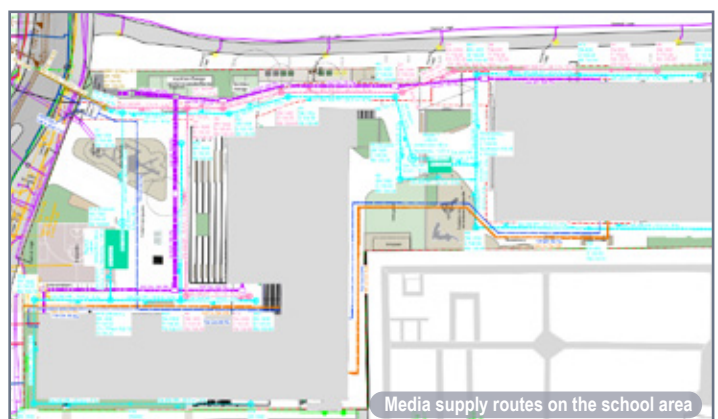
**Services KOCKS ENGINEERS** Technical consulting and support to the Client during tendering, contract awarding, construction supervision, acceptance and warranty phases.

### Media supply for an elementary school in Frankfurt

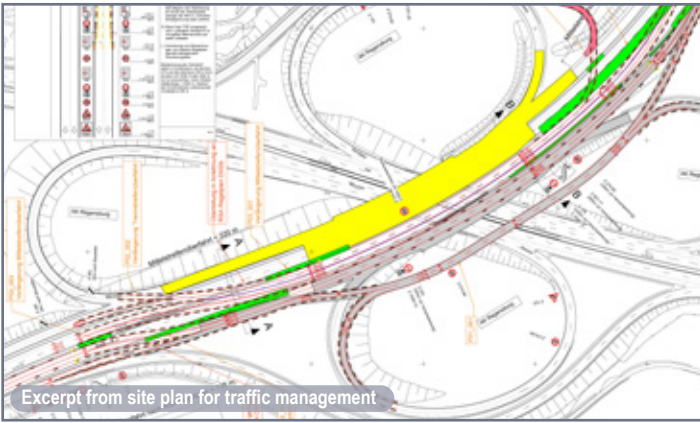
Partial demolition and new construction of the school Münzenbergerschule. Design of media supply development (electricity, ICT, drinking water, gas and local heating) and drainage in several construction phases and with several intermediate stages.

**Client** Department for Construction and Real Estate, City of Frankfurt

**Services KOCKS ENGINEERS** Design of civil engineering structures, local construction supervision, coordination of media supply routes.



Media supply routes on the school area



**Upgrade of the highway junction bridge at Regensburg**

Replacement construction of the central structure of the Regensburg motorway junction, taking into account a later six-lane expansion of the federal highway A 3 and a possible expansion of the highway A 93. Traffic management during construction via a temporary bridge in parallel and in combination with adjacent simultaneous construction work on the A 93.

**Client** IB Grassl GmbH for German Federal Highway Authority

**Services** **KOCKS ENGINEERS** Design of traffic facilities, design of traffic management during construction, preparation of contract award.

**Sewer renovation in Bornheim-Hersel**

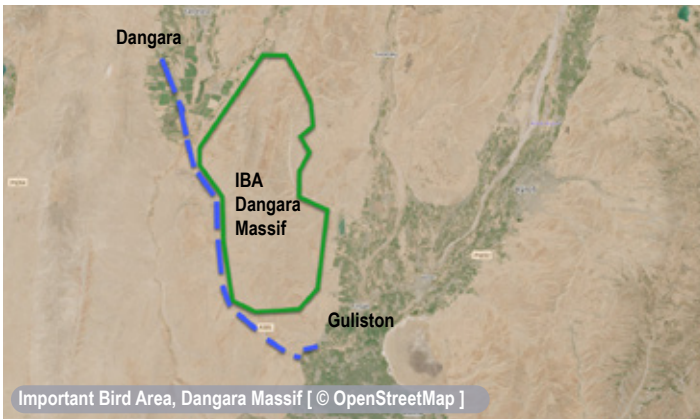
Hydraulic renovation of approximately 400 m of drainage sewers in the urban area, including renovation or renewal of connection pipes and relocation of supply pipes.

**Client** Municipal Services of Bornheim

**Services** **KOCKS ENGINEERS** Design, tendering, construction supervision.



Shaft construction in the street Rheinstraße



Important Bird Area, Dangara Massif [ © OpenStreetMap ]

**Biodiversity along the Dangara–Guliston highway, Tajikistan**

49 km extension of the CAREC Dangara–Guliston highway. The focus is on critical habitats such as the Important Bird Area Dangara Massif international bird sanctuary, priority biodiversity features and the protection of flora and fauna along the entire highway.

**Client** Ministry of Transport of the Republic of Tajikistan

**Financier** European Bank for Reconstruction and Development

**Services** **KOCKS ENGINEERS** Environmental and social impact assessment, supplementary biodiversity assessment, CHA/PBF analysis, updating of the biodiversity management plan in accordance with EBRD PR6, assistance in monitoring and species protection.

**Redesign of the street Brüdergasse in Bonn**

To create a new, barrier-free underpass beneath the motorway B9 in Bonn, the existing ramp structure will be completely demolished and rebuilt at a different height. At the same time, the areas of Brüdergasse belonging to Bonn's pedestrian zone and the open space parallel to Kapuzinerstraße will be completely rebuilt.

**Client** Federal City of Bonn

**Services** **KOCKS ENGINEERS** Design of civil engineering structures, structural design, traffic facilities and open spaces. Local construction supervision.



Redesign works at Brüdergasse in Bonn



New extension to the substation

#### Extension of a power substation in Frankfurt/Main

Extension of an existing substation in the Frankfurt city area, consisting of a cable and 10 kV equipment floor. Steel structure, dimensions approx. 15 m x 25 m.

**Client** Grid services *NRM Netzdienste Rhein-Main GmbH*

**Services** **KOCKS ENGINEERS** Design, structural analysis, technical equipment.

#### Technical assessment of the Zagreb wastewater treatment plant

Inspection and technical assessment of the wastewater treatment plant prior to handover to the City of Zagreb upon successful implementation of the concession agreement for the design, construction and operation of the plant.

**Client** ZOV Zagreb (company for water supply and wastewater removal)

**Services** **KOCKS ENGINEERS** Visual inspection, review of maintenance and repair documentation, technical assessment of the condition of the plant and summary of findings.



Aeration tank at the blower station at Zagreb sewage treatment plant



Underpinning of an existing media trench using the horizontal drilling press method

#### Media separation at a car production facility in Rüsselsheim

VGP has acquired parts of the Opel (Vauxhall) facility to build the 'grEEn Campus', the new German headquarters for Opel-Stellantis. In order to make way for construction, the existing media lines must be relocated from the future construction area while maintaining continuous supply to the existing production areas.

**Client** VGP N.V.

**Services** **KOCKS ENGINEERS** General design, design of technical equipment, structural analysis, assistance to construction supervision.

#### New design of local roads in Wallersheim

New design of the through road over a total length of approx. 2,000 m, including renewal of the existing carriageway with ancillary facilities and drainage in consultation with the local community.

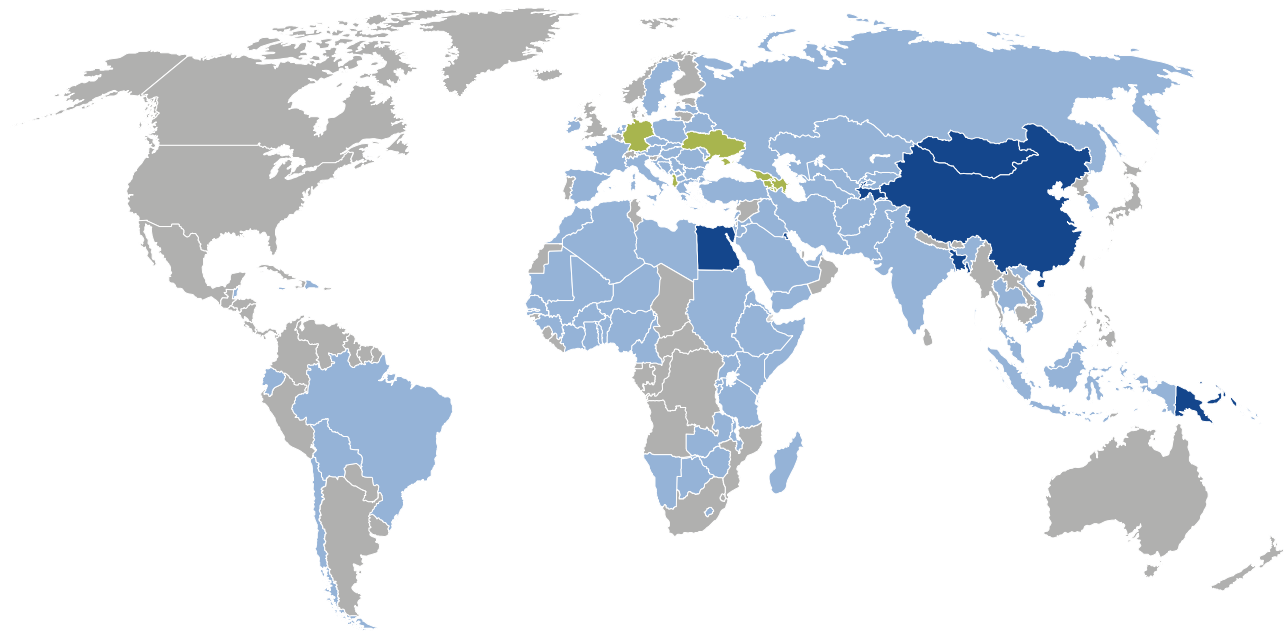
**Client** State Mobility Agency Gerolstein

**Services** **KOCKS ENGINEERS** Preliminary and detailed design of traffic facilities, partial services for coordinating supply lines.



Reconstructed through road in Wallersheim

# Comprehensive Engineering Solutions worldwide since 1946



**Registered KOCKS Branches:** Albania, Armenia, Azerbaijan, Georgia, Germany, Ukraine

**Project 2025 in:** Albania, Armenia, Azerbaijan, Bangladesh, China, Egypt, Georgia, Kuwait, Luxembourg, Maldives, Mongolia, Papua New Guinea, St. Vincent and the Grenadines, Tajikistan, Ukraine

**Project countries since 1946 (historical overview)**

The present brochure was issued by Kocks Consult GmbH for distribution in Germany and abroad among clients and employees as well as friends of the company. Responsible for editing are: Dr. Henning Kocks and Olga Klassen. The Management thanks all members of staff and business partners in Germany and abroad for support, successful performance and cooperation.

#### **Publisher and VisdP:**

Kocks Consult GmbH  
Stegemannstr. 32-38  
56068 Koblenz

Phone: +49 261 1302-0

E-Mail: [info@kocks-ing.de](mailto:info@kocks-ing.de)

Web: [www.kocks-ing.de](http://www.kocks-ing.de)

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