



Status January 2013

1. bw engineers - Company Profile in Brief

bw engineers

represent a consortium of German engineering excellence, which integrates and coordinates the foreign market activities of leading consulting companies under a joint management.

bw engineers mission

We breathe engineering and design. We stand for innovative interdisciplinary performance. A thorough quality management process allows us to transfer the German engineering standards to our projects abroad.

Interdisciplinary planning and our dedication to achieve the best quality for our customers will guarantee that “Engineering Made in Germany” can be provided to our clients worldwide. Our excellence is achieved through an open interdisciplinary exchange by continually questioning, communicating and interrelating, to come up with innovative answers.

bw engineers member companies

- employ more than 800 planners and engineers in the areas of
- Project Management
- Surveying and Geo Informatics
- Geotechnical Engineering
- Regional & Urban Planning – Transportation & Traffic
- Water and Environment
- HVAC / MEP
- Structural Engineering
- Architectural Design

We are perfectly capable of conducting complex projects such as general planning programs as well as highly specialized studies and simulations. Senior representatives of bw engineers have longtime experience in both consulting and teaching.

bw engineers has been set up in 2008 with the active support of the State Government of Baden-Wuerttemberg and represents the largest, most capable consortium of consulting engineers in Germany. The 23 bw engineers member companies are chartered engineering companies of the Chamber of Consulting Engineers of the State of Baden-Wuerttemberg.

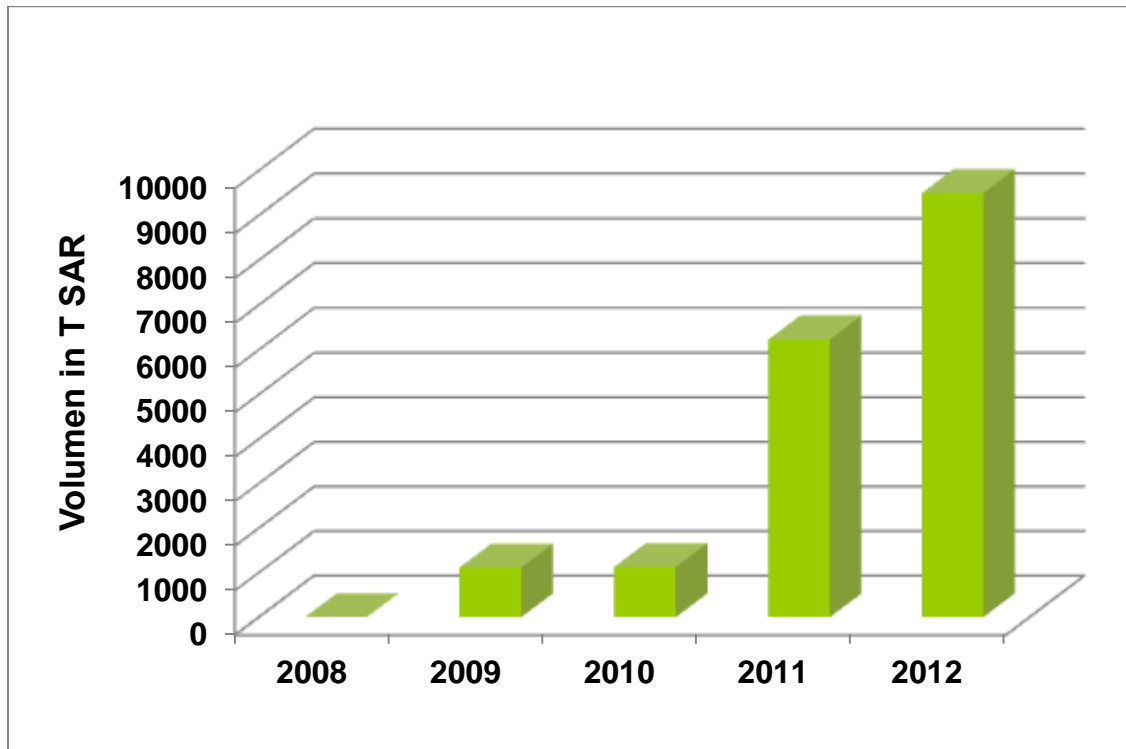
bw engineers in Saudi Arabia

In the field of water and environment bw engineers has been among others working on

- Stormwater drainage masterplan for the City of Riyadh: a comprehensive stormwater drainage and flood protection masterplan including hydrologic and hydraulic model and design works
- Review of the stormwater drainage design, industrial gate Riyadh
- Solay channel engineering design for the City of Riyadh: a detailed design of the open channel of wadi Solay
- Study and design of a landfill with a volume of 300,000 m³ to dispose sludge from the Tabik city
- Study of strategy for stormwater drainage and lowering subsurface water level at the eastern province cities of Saudi Arabia Damman, Quatif, Saihat and Khobar

Further projects have been implemented in Saudi Arabia in the fields of Regional & Urban Planning – Transportation & Traffic, Architectural Design, Structural Engineering as well as Review and Value Engineering.

2. Annual Turnover in KSA

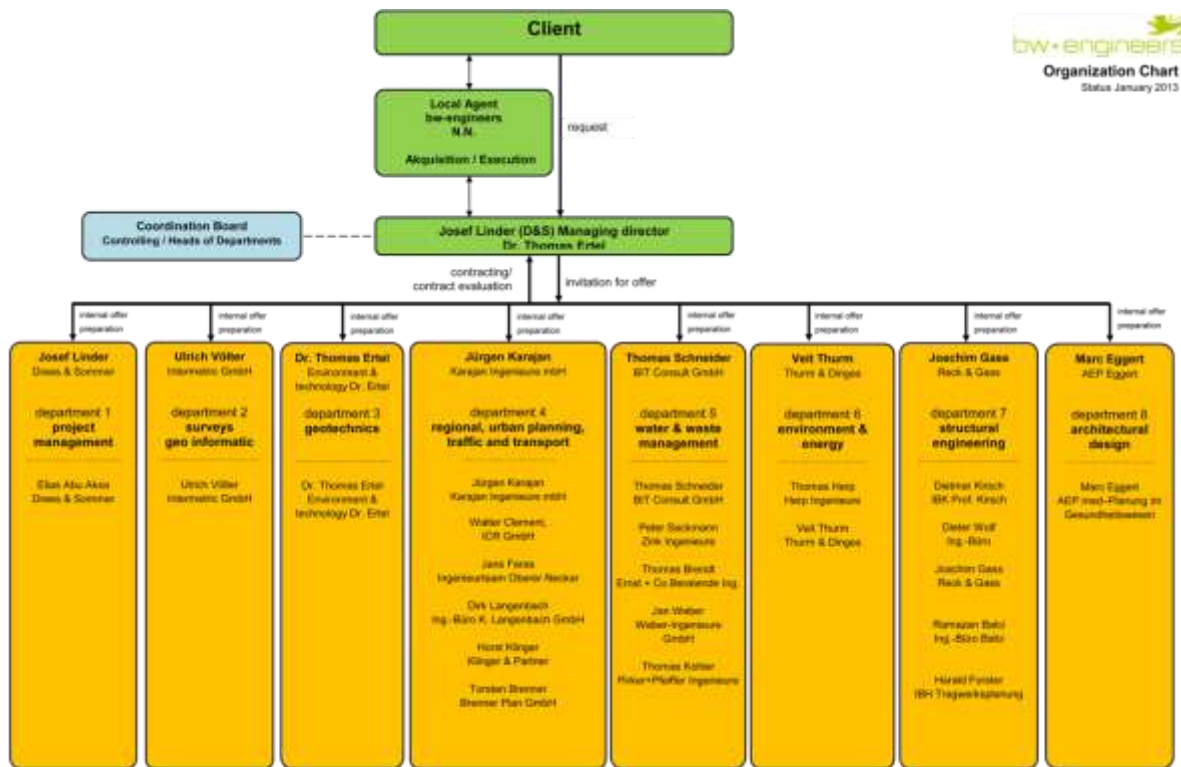


2008: 0 SAR
2009: 1.115.000 SAR
2010: 1.125.000 SAR
2011: 6.230.000 SAR
2012: 9.500.000 SAR

Volume contracted currently for 2013:

5,5 Mio SAR

3. bw-e organisation



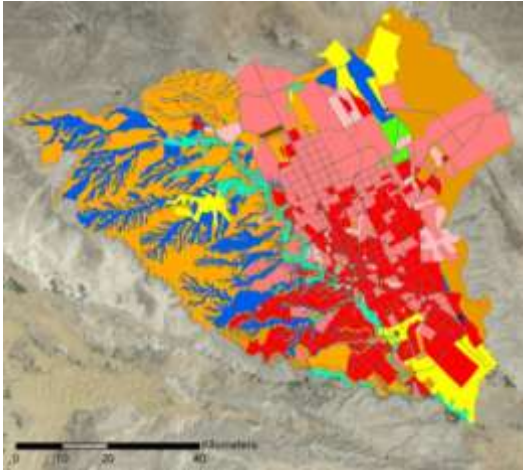
4. Clients and Partners in KSA to date

- Municipality of City of Riyadh
- Municipality of City of Dammam
- DCOMM Development Commission of Makkah and Mashaar
- ZFP Zuhair Fayez Partnership
- Saud Consult
- AD Engineering Co. Riyadh
- A number of international construction companies

5. Selected reference projects

5.1 Water management

Stormwater Drainage Masterplan for the City of Riyadh



BRIEF DESCRIPTION

Comprehensive stormwater drainage and flood protection masterplan including hydrologic and hydraulic model and design works for the City of Riyadh.

CLIENT

Amanah of City of Riyadh

BW-ENGINEERS COMPANY

BIT Consult GmbH, Stuttgart / Germany

ERNST+CO GmbH, Freiburg / Germany

Klinger und Partner, Stuttgart/Germany

PROJECT VOLUME

2,110,000 EUR

PROJECT DURATION

2010 – 2013

Study of Strategy for Stormwater Drainage and lowering Subsurface Water Level at the Eastern Province Cities of Saudi Arabia



BRIEF DESCRIPTION

Study for finding future strategies for stormwater drainage and lowering the subsurface water level in the cities of Dammam, Qatif, Saihat and Khobar

CLIENT

Amanah of City of Dammam/Zuhair Fayez

Partnership Consultants

BW-ENGINEERS COMPANY

BIT Consult GmbH, Stuttgart

Zink Ingenieure GmbH, Lauf

PROJECT VOLUME

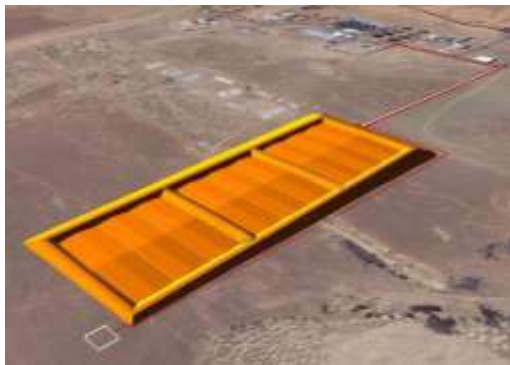
200,000 EURO

PROJECT DURATION

2008 – 2009

5.2 Waste Management

Landfill to dispose sludge from the STP Tabuk, KSA



BRIEF DESCRIPTION

Design and tender documents of the sludge landfill with degassing equipment for the STP of Tabuk

CLIENT

Zuhair Fayez Partnership for the Ministry of Water and Energy

BW-ENGINEERS COMPANY

BIT Consult GmbH, Stuttgart / Germany

Klinger und Partner GmbH, Stuttgart / Germany

Weber-Ingenieure GmbH, Pforzheim / Germany

CONSTRUCTION VOLUME

8,900,000 EUR

PROJECT DURATION

2010 – 2012

5.3 Traffic and Transportation

East-West Axis of Makkah City



PROJEKT DESCRIPTION

Comprehensive traffic and transport planning study. Conceptual Designs and Simulation Studies

CLIENT

Municipality of Makkah

BW-ENGINEERS COMPANY

Dr. Brenner Ingenieurgesellschaft mbH

Karajan Ingenieure GmbH

Project duration

2010-2011

Al-Medina Road in Riyadh City (Prince Salman Road)



PROJEKT DESCRIPTION

Study of development and improving Al-Medina Road in Riyadh, City Comprehensive Traffic Study, Conceptual Designs and Simulation Studies

CLIENT

Municipality of Riyadh

BW-ENGINEERS COMPANY

Dr. Brenner Ingenieurgesellschaft mbH

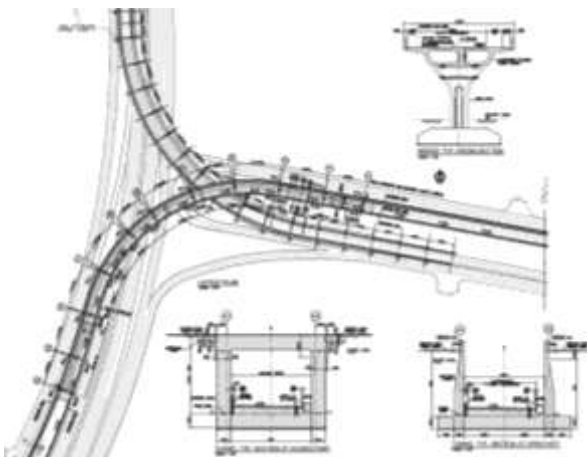
Karajan Ingenieure GmbH

Project duration

2008-2010

5.4 Review and value Engineering

Four intersections



BRIEF DESCRIPTION

Review engineering

CLIENT

Municipality of Dammam

BW-ENGINEERS COMPANY

Review engineer

Dipl.-Ing. Joachim Gass,

Dipl.-Ing. Günter Holzwarth,

Dipl.-Ing. Hans-Jörg Braun

CONSTRUCTION VOLUME

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PROJECT DURATION

2012 - 2013

DESCRIPTION OF PROJECT

4 tunnels (total length of 3 km) and 4 bridges (total length of 2,3 km) will be built to improve the traffic flow around the city of Dammam.

6. Accredited Engineers in KSA

Translation of the Certificate:

Ministry of Economics Baden-Württemberg

Certificate

Mr. Dipl.-Ing. Joachim Gass


is in order of § 1 of the "Regulation of the Ministry of Economics about the Reviewing of structurally engineered Constructions" from May 21st 1996 approved as

Review Engineer for structural Engineering
for the specification of:



Concrete Structures

with his location in Horb.

Stuttgart, May 2nd 2000



Prof. Dr. Ulrich Hieber
Assistant of Minister

| | |
|--------------------------|----------------------------------|
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| SCE Member No. | 102673 |
| Email | reck-gass@bw-engineers.com |
| Mobile Phone | 491755218211 |
| Professional Cat. | Consultant Engineer مهندس مستشار |
| Membership Validity upto | 23/7/2015 |
| Type of Membership | Professional Accreditation |
| | |
| | |

DIPL.-ING. JOACHIM GASS:

- Studies at the Technical University of Stuttgart, building engineering faculty, graduation 1988 (Diploma)
- Establishment Reck+Gass engineering company
- Approved by the Baden-Württemberg Ministry of Economics as review engineer for structural engineering.
- SAUDI COUNCIL OF ENGINEERS MEMBER NUMBER **102673**
- Cost-efficient QUALITY ASSURANCE and enhancement with the help of experts OFFICALLY LICENSED and APPROVED by GERMAN and SAUDI AUTHORITIES.

7. Future business potentials in KSA

- Green building standards
- Reliable local electricity networks-smart grid solutions
- Contamination of soil and groundwater by industrial activities and waste water
- Strengthening review and value engineering in all disciplines

8. Contacts

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