Design

Air Conditioning / Ventilation

Automatic Control / BMS

Cooling / Heating

Sanitary Systems

Fire Protection

Installation / Maintenance

KBT GmbH
Hohenlindener Str. 1, 81677 Munich, Germany
Our well known company former Krobath Building Technology – also known as KBT - is now operating as KBT GmbH and is one of the leading mechanical contractors engaged in the design and installation of mechanical building systems for international projects. KBT is a member of the KGT Gebäudetechnik in Austria.

We would like to present to you some general information on the KGT Gebäudetechnik and also some detailed information on KBT.

The KGT Gebäudetechnik and it's group of companies has been more than 125 years in business, generates a yearly turnover of around € 43 Mio and employs more than 180 people both national and international.

The major companies connected to the KBT are:
- KGT Gebäudetechnik GmbH
- KGT Elektrotechnik GmbH
- PAMMER GesmbH Kälte-Klima-Technik
- KGT Russland
- KBT Nigeria Ltd

The core business of KBT and KGT Gebäudetechnik is:
Design, installation, commissioning, maintenance and service of: air conditioning systems, cooling and heating systems, sanitary systems, fire protection systems, panel heaters, vacuum systems, dehumidification systems and ceiling radiant panels.

On the following pages we present some basic information of the KBT GmbH.

Contact address:

KBT GmbH
Hohenlindener Straße 1
D-81677 München
Germany
Tel: +49 / 89/ 929284-0
Fax: +49 / 89/ 929284-20
e-mail: office@kbt-international.de
Website: currently under construction

Managing Director:
Engr. Erwin Hartinger

History:
2005 Krobath Gebäudetechnik München GmbH was founded as a branch of Krobath Gebäudetechnik and Service Co. KG
2007 Krobath Building Technology GmbH has been founded
2018 Krobath Building Technology GmbH has been renamed to KBT GmbH
Personnel and Turn Over

KBT and KGT Gebäudetechnik

Number of Employees total: 180
- Director and Management: 5
- Engineers: 27
- Technician: 36
- Commercial Office: 18
- Installation: 85
- Workshop: 2
- Apprentice: 7

Technical Office Outfit:
- MS Office, Project and Auto CAD Stations
- Cats Sprinkler calculation acc. to VdS 2092/2109
- Heating load and Cooling load calculation program
- Piping and duct calculation programs
- Software for DDC-controller programming

Technical Service Outfit:
- 22 Mobile Service Cars

Turn over on the last 3 years:
- 2015 € 40,7 Mio
- 2016 € 42,1 Mio
- 2017 € 43,0 Mio

Our Company

The Know-how in Building Technology (KBT), based in Munich realizes building technology systems for international projects. Most qualified staff in a highly motivated team guarantees optimal customer solutions at the highest technical level from the planning, purchasing, transport logistic and installation through to commissioning, customer training and maintenance.

In 2007 the company was separated from Krobath Gebäudetechnik und Service GmbH.

In Nigeria we operate with our local company KBT Nigeria Ltd.

Our services cover the following works:
- Air-conditioning and ventilation systems
- Heating and cooling technology
- Sanitation and Water Technology
- Fire protection and sprinkler systems
- Automatic Controls and BMS

We are executing successfully projects in the following countries: Azerbaijan, Algeria, Ethiopia, Equatorial Guinea, England, Gabon, Libya, Mali, Nigeria, Norway, Romania, Saudi Arabia, Scotland, Sri Lanka and Sudan.

In 2007 KBT has established and applies a Quality Management System according to ISO 9001:2015
Our Products and Services:
KBT has the reputation as a competent and innovative partner for the design and execution of projects with contractors, engineers and architects. With our highly skilled professional personnel we can guarantee to meet the technical requirements, the time schedule, the quality in accordance to national and international standards, offering support with official government institutions and sharing the responsibility and workload. We are always willing to make every effort to completely understand the requirements of our customers to develop the best technical and economic solution.

Our Customers
All the interests and actions of the KBT personnel are focused on the customer. Customer satisfaction involves commitment and opportunity at the same time. We have a balanced customer base, which creates a foundation for constant, natural growth. In the past we have been very active and successful on international projects. Many large international operating companies are among our clients executing projects from Airports to Water Supply Projects.

- Amazon, Luxemburg
- Al-Dafe, Saudi Arabia
- ABB, Germany
- Bilfinger Berger, Germany
- Bühler AG, Switzerland
- CECB, Sri Lanka
- CSCEC, China
- DAL-Group, Sudan
- Egger, Austria
- HOCHTIEF, Germany
- Honeywell, Lagos
- Linde Engineering, Germany
- North West Construction, Azerbaijan
- Procter & Gamble, Nigeria
- Siemens AG, Germany
- ThyssenKrupp Industrial Solution AG, Germany
- Vamed Wien, Austria
- VGP, Germany
- Voith Siemens, Germany
- Züblin, Germany

Our Employees
KBT’s greatest assets are its employees. It is indeed the sum of their skills and dedication including the knowledge of languages and in exports our equipment that makes us so successful. The KBT employees create a working environment based on fairness, openness to new technique, trust, responsibility and team work. Employee satisfaction, motivation and continuous education are key values.

Our know-how
In order to remain updated on newest technology, we are continuously developing and improving our products and services in close cooperation with our clients. KBT also offers its clients a full technical consultancy service. With many years of experience we have the knowledge and tools necessary to provide competent service to our customers. Our engineering departments are completely independent from all equipment manufacturers with our own installation-, commissioning and service departments. For the commissioning we do have also our internal department for automatic control- and refrigeration systems. Our aims are to find the most economical solution and remain in harmony with the environment to guarantee the most sustainable system according to your requirements.
CERTIFICATE

The Certification Body of TÜV SÜD Management Service GmbH certifies that

KBT GmbH
Hohenlindenerstraße 1
81677 München
Germany

has established and applies a Quality Management System for

Design, Installation and Maintenance of:

An audit was performed, Report No. 70730061.
Proof has been furnished that the requirements according to

ISO 9001:2015

are fulfilled.
The certificate is valid from 2018-08-31 until 2019-10-07.
Certificate Registration No.: 12 100 32274 TMS.

Product Compliance Management
Munich, 2018-09-06
Membership Certificate

Mr. Erwin J. Hartinger

has been granted the grade of Life Member

and is entitled to all the rights and privileges as provided by the Constitution and Bylaws of the Society.

As a member of ASHRAE Society, I comply with the ASHRAE Code of Ethics (www.ashrae.org/codeofethics)

Proud Member Since 9/1/1977

ASHRAE

Jeff H. Littleton
President

Barne Olsen
Secretary

Incorporated New York 1895
Firma
KROBATH Building Technology GmbH
Hohenlindener Str. 1  81677 Muenchen

hat in allen DESIGO™ Modulen ausgezeichnetes Fachwissen nachgewiesen.

Das Unternehmen ist zertifizierter Partner der Siemens AG,
Building Technologies und berechtigt die Bezeichnung

Siemens Solution Partner zu führen.

Das Zertifikat ist gültig bis Dezember 2018

Siemens/AG, Building Technologies Division

Helmut Vogel  Mirzan Elmazi
Business Unit Leiter  Leiter des Vertriebes Deutschland
Region Sued Control Products & Systems
RC-DE BT SUED CPS  RC-DE BT CPS
HEALTH AND SAFETY POLICY
of the company
KBT GmbH

The Health and Safety at Work Act 1974 imposes certain obligations on an employer not only to take all such actions as are reasonable to safeguard the health and safety of their employees, but also to be able to show that they are doing so, by producing adequate written policies and procedures. The KBT GmbH fully accepts its responsibilities under the Act.

The Act refers to what is reasonable in given working situations. The KBT GmbH will:

- Assess the risks in the workplace.
- Ensure that the workplace satisfies health, safety and welfare requirements for ventilation, temperature, lighting and staff facilities.
- Ensure that all equipment is suitable for its intended use and is properly maintained and used.
- Ensure that all staff is aware of the fire procedure and regular fire drills are carried out.
- Ensure that all members of staff are aware of the procedure in case of accidents.
- Ensure that all members of staff are aware of and carry out their health and safety responsibilities as set out in their job descriptions.
- Provide appropriate protective clothing.

The Management considers this matter of such importance, that breach of health and safety procedures by staff constitutes misconduct and will be dealt with as a disciplinary matter.

Employees will also be made aware of their responsibilities under the Health and Safety at Work Act and will:

- Take reasonable care of their own health and safety and that of others around them.
- Co-operate with the employer on matters of health and safety
- Use work equipment correctly

It is not possible to detail here all the health and safety matters that come up on a day-to-day basis, so staff and management must constantly be mindful of their responsibilities individually and collectively for the safety of themselves and their colleagues.

Signed

Position …… General Manager …………………… Date …………………

01.02.2008
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<th><strong>Shopping Centre 20th of January, Baku, Azerbaijan</strong></th>
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<td>LNR Villa, Lagos, Nigeria</td>
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<td><strong>Flour Mill, Hail, Saudi Arabia</strong>&lt;br&gt;Construction Period 05.2013 – 11.2013</td>
<td><strong>Presidential Banquet Hall, Abuja, Nigeria</strong>&lt;br&gt;Construction Period 03.2013 - 06.2014</td>
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<td>LPG Recovery Plant, Constanta, Romania</td>
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<td>Operation Theatres, Lambarene, Tchibanga and Makokou, Gaboun</td>
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<td>Glendoe Hydro Electric Station</td>
<td>Glendoe, Scotland, UK</td>
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<td>Aéroport de Mongomeyen, Equatorial Guinea</td>
<td>Equatorial Guinea</td>
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| **Egger Chipboard Production, Hexham, UK**  
Construction Period: 10.2007 – 06.2008 | **Egger Chipboard Production, Radauti, Romania**  
Construction Period: 05.2007 – 12.2008 |
| **Flour Mill, Riyadh, Saudi Arabia**  
Construction Period: 01.2007 – 08.2008 | **Governors House, Lagos, Nigeria**  
Construction Period Phase I: 09.2006 – 03.2007  
Construction Period Phase II: 12.2009 – 09.2010 |
| **Private Villas in Abuja and Lagos, Nigeria**  
## References Abroad

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<td>Khartoum, Sudan</td>
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<td>Port Harcourt, Sokoto and Kano, Nigeria</td>
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Project: International Airport in Algier, Algeria

Executed Works:
- Air Conditioning System
- Chilled Water System
- Heating
- Sewage and Waste Water System
- Rain Water Drainage
- Hydrant System

- total floor area of airport: 82,000 m²
- traffic: 6 million passengers / year

- total supply air volume 1.008,900 m³/h
  (58 air handling units)

- total chilled water capacity: 6,800 kW
  (8 chillers with 850 kW each)

- total heating capacity: 3,120 kW
  (4 boilers with 700 kW each, 1 boiler with 320 kW)

- part of water treatment
  (for a water volume of 76 m³/h)

- DDC automatic control system
Project: Chevron Lekki, Lagos, Nigeria

Executed Works:
- Air Conditioning System
- Hot and Cold Water Supply
- Sewage and Waste Water System
- Irrigation System

outdoor refrigeration unit

corian plates for work tables with kitchen sink

bathroom installation

bathroom installation
Project: Fröling Boiler Factory, Wels, Austria

Executed Works: Fire Fighting System: Sprinkler System with 3,000 Sprinkler Heads

diesel driven sprinkler pump
electrical driven sprinkler pump

sprinkler water distribution system
sprinkler valve station
Project: National Sport Stadium, Abuja, Nigeria

Executed Works:
- Air Conditioning System
- Chilled Water System
- Hot Water Production
- Sewage and Waste Water System
- Rain Water Drainage
- Hydrant System

National Sport Stadium Abuja

VIP area

3 air cooled water chillers on roof of technical building
total cooling capacity: 2.000 kW

chilled water pipe work with pumps in technical building

one of nine air handling units in two plant rooms
Project: National Sport Stadium, Abuja, Nigeria

Executed Works:
- Air Conditioning System
- Chilled Water System
- Hot Water Production
- Sewage and Waste Water System
- Rain Water Drainage
- Hydrant System

- Hot water production with four electrical water heaters
- Booster pump sets for hydrant water system (for 80 fire hydrant cabinets with hose reels)
- Drainage of stadium roof
- Rain water down pipes outside of stadium
- Relax basin
- Chemical water treatment for relax basin
Project: Central Bank Rehabilitation and New Building, Colombo, Sri Lanka

Executed Works:
- Air Conditioning System
- Chilled Water System
- Sewage and Waste Water System
- Rain Water Drainage
- Hydrant and Sprinkler System

- Central Bank buildings
- Cooling tower on roof of new building
- Sprinkler pumps and potable water booster station (7,000 sprinkler heads, 40 fire hydrant cabinets)
- Chilled water distribution pumps
- 5 nos water cooled chiller total cooling capacity 5,000 kW
- Chiller plant room
- DDC control system
- CMS system