KBT

KGT
GEBÄUDETECHNIK

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 **K**now-how in **B**uilding **T**echnology (**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.

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

Know-how in Building Technology

KBT GmbH
Hohenlindenerstraße 1
81677 München
Germany

has established and applies
a Quality Management System for

Design, Installation and Maintenance of:
Air Conditioning, Ventilation, Refrigeration, Heating,
Sanitary and Fire Protection Systems.

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

DAkkS Deutsche Akkreditierungsstelle D-ZM-14143-01-00

MS/01-03/2018

Proud Member Since 9/1/1971

Member # 305478

Membership Certificate

Mr Erwin F 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)

ASHRAE®

Secretary JEFF H. LITTLETON

President BJARNE OLESEN

Incorporated New York 1895

SIEMENS
Ingenuity for life

Solution Partner Zertifikat

Solution Partner
Building Technologies

SIEMENS

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.

2018

Das Zertifikat ist gültig bis Dezember 2018

Siemens AG, Building Technologies Division

Helmut Vogel
Business Unit Leiter
Region Sued
RC-DE BT SUED CPS

Mirzan Elmazi
Leiter des Vertriebes Deutschland
Control Products & Systems
RC-DE BT CPS

KBT
Know-how in Building Technology

KBT GmbH
Hohenlindener Str. 1, D-81677 München

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

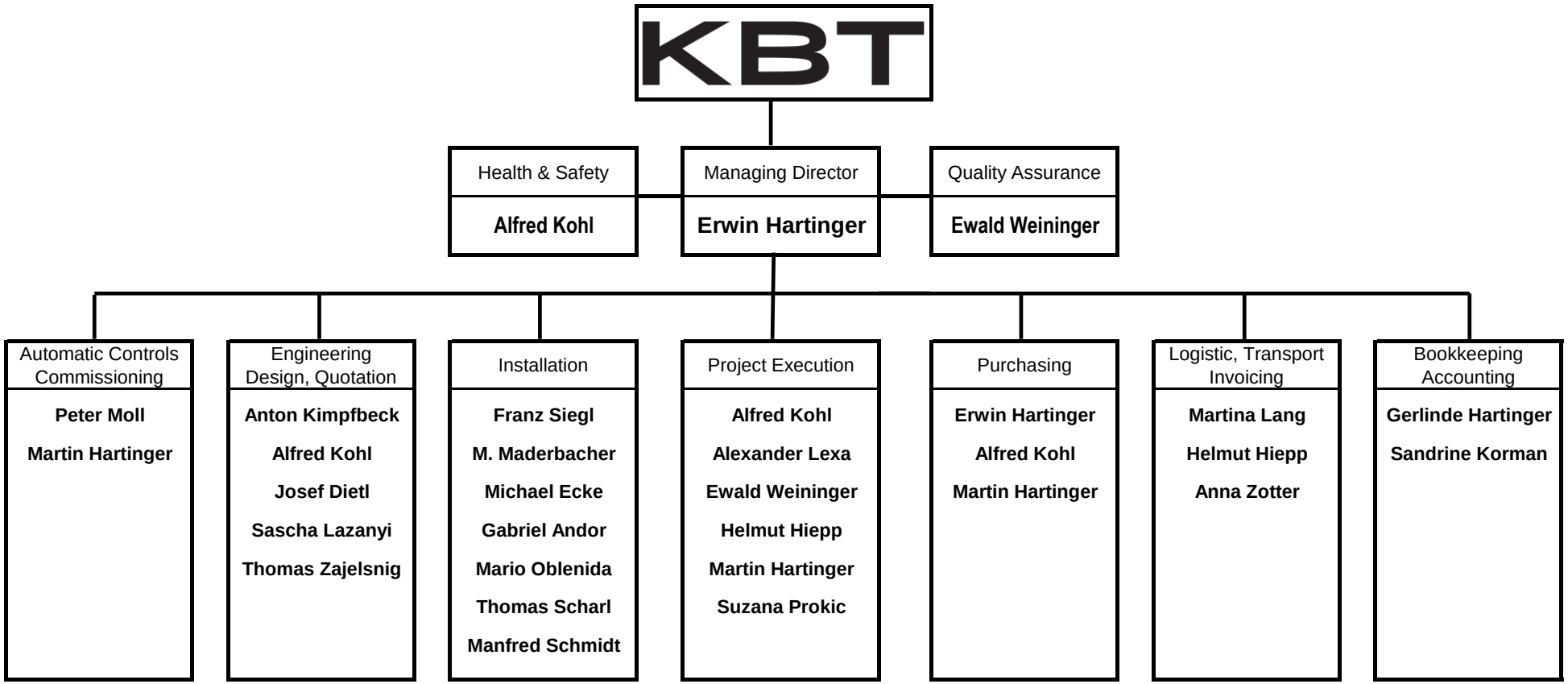
It is not possible to detail here all the health and safety matters that come up on a day-to-day basis, so staff and management must constantly be mindful of their responsibilities individually and collectively for the safety of themselves and their colleagues.

Signed E. Hartinger

Position ……General Manager……Date……01.02.2008……

KBT

Know-how in Building Technology



Organigram KBT 2018

References Abroad

KBT
Know-how in Building Technology

Logistic Centrum for Amazon, Frankenthal, Germany
Construction Period 09.2017 – 04.2018

Shopping Centre 20th of January, Baku, Azerbaijan
Construction Period 11.2016 – 12.2017

Azura Power Plant, Benin, Nigeria
Construction Period 07.2016 – 03.2018

Shopping Centre Radio Zavod, Baku, Azerbaijan
Construction Period 09.2016 – 04.2017

Shopping Mall, Ganja, Azerbaijan
Construction Period 09.2015 – 10.2017

Distribution Centre, Lokbatan, Azerbaijan
Construction Period 03.2016 – 12.2016

References Abroad

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Know-how in Building Technology

Flour Mill F, Sayga, Sudan
Construction Period 06.2014 - 08.2015

NLNG Marine Control Builidng, Bonny Island, Nigeria
Construction Period 10.2014 - 07.2015

LNR Villa, Lagos, Nigeria
Construction Period: 06.2014 -

Private Villa, Lagos, Nigeria
Construction Period: 05.2014 – 12.2016

Flour Mill, Mekkah, Saudi Arabia
Construction Period: 07.2013 – 11.2014

Flour Mill, Al.Jouf, Saudi Arabia
Construction Period: 06.2013 – 12.2013

References Abroad

KBT
Know-how in Building Technology

Flour Mill, Hail, Saudi Arabia
Construction Period 05.2013 – 11.2013

Presidential Banquet Hall, Abuja, Nigeria
Construction Period 03.2013 - 06.2014

P&G Baby Care, Lagos, Nigeria
Construction Period: 04.2012 – 12.2013

Rose Of Sharon, Lagos, Nigeria
Construction Period: 03.2012 – 07.2014

BRTA Airport, Bonny Island, Nigeria
Construction Period: 02.2012 - 13.2013

Vice President Office, Abuja, Nigeria
Construction Period: 06.2011 – 08.2012

References Abroad

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PDTF Office Tower, Abuja, Nigeria
Construction Period: 02.2010 – 097.2014

Linde ASU Substation, Scunthorpe, UK
Construction Period: 08.2009 – 04.2010

Escravos Gas To Liquid, Escravos, Nigeria
Construction Period: 04.2009 – 04.2011

NLNG Apartment Blocks,
Bonny Island, Nigeria
Construction Period: 04.2009 – 02.2011

Government House, Kaduna, Nigeria
Construction Period: 03.2009 – 11.2010

Linde Gas To Liquid, Stavanger, Norway
Construction Period: 09.2008 – 03.2010

References Abroad

KBT
Know-how in Building Technology

LPG Recovery Plant, Constanta, Romania
Construction Period: 06.2008 – 12.2008

Operation Theatres, Lambarene, Tchibanga and Makokou, Gaboun
Construction Period: 03.2008 – 12.2008

Glendoe Hydro Electric Station Glendoe, Scotland, UK
Construction Period:03.2008 – 12.2008

Energy Recovery Facility Newhaven, United Kingdom
Construction Period: 02.2008 – 02.2012

NLNG Canteen, Hostel Blocks and Hospital Extension, Bonny Island, Nigeria
Construction Period: 10.2007 – 12.2008

Aèroport de Mongomeyen, Equatorial Guinea
Construction Period: 10.2007 – 02.2011

References Abroad

KBT
Know-how in Building Technology

Egger Chipboard Production, Hexham, UK
Construction Period: 10.2007 – 06.2008

Egger Chipboard Production, Radauti, Romania
Constrction 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
Construction Period: 08.2006 – 10.2011

GSFMO, Al Madina, Saudi Arabia
Construction Period: 06.2006 – 04.2008

References Abroad

KBT
Know-how in Building Technology

Gilgel Gibe II Hydro Power Plant, Ethiopia
Construction Period: 05.2006 - 06.2009

Haggar Cigarette Factory, Khartoum, Sudan
Construction Period: 11.2005 – 04.2006

Sirt End and B Pumping Station, Libya
Construction Period: 11.2005 – 10.2008

12 Duplex Houses, 4 Town Houses for Chevron, Lagos, Nigeria
Construction Period: 09.2005 – 10.2007

Flour Mill, Khartoum, Sudan
Construction Period: 08.2005 – 02.2006

Bakery School and Pasta Plant, Karthoum, Sudan
Construction Period: 07.2005 – 10.2005

References Abroad

KBT
Know-how in Building Technology

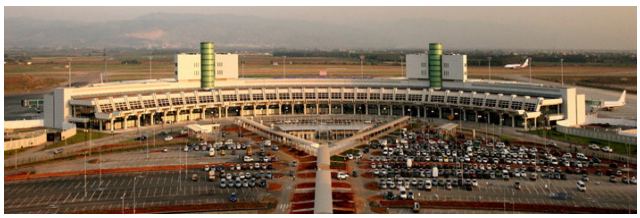
Operation Theatres and Radiotherapy in Lagos, Enugu, Jos, Maiduguri, Ilorin, Port Harcourt, Sokoto and Kano, Nigeria
Construction Period: 07.2005 – 05.2009

Presidential Lodge, Port Harcourt, Nigeria
Construction Period: 07.2005 – 11.2006

Shell Modular Buildings, Odidi, Tunu and Escravos, Nigeria
Construction Period: 07.2005 – 06.2008

Zenon Main Office, Lagos, Nigeria
Construction Period: 04.2005 – 08.2008

Banquet Hall Akinola Aguda, Abuja, Nigeria
Construction Period: 09.2003 – 12.2003



Intern. Airport Algiers, Algiers
Construction Period: 04.2004 – 06.2006

References Abroad

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Know-how in Building Technology

National Stadium Velodrome, Abuja, Nigeria
Construction Period: 09.2002 – 07.2003

National Stadium Abuja, Nigeria
Construction Period: 04.2001 – 03.2003

Central Bank of Sri Lanka, Colombo
Construction Period: 01.1998 – 12.2001

Intern. Airport Yaounde, Cameroun
Construction Period: 02.1990 – 07.1991

KBT
Know-how in Building Technology

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

KBT
Know-how in Building Technology

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

KBT
Know-how in Building Technology

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

KBT
Know-how in Building Technology

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


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

KBT
Know-how in Building Technology

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

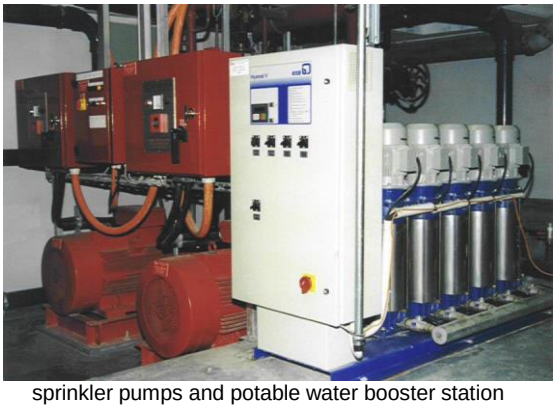
KBT
Know-how in Building Technology

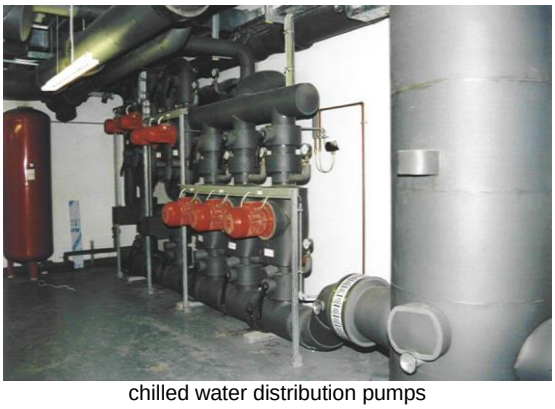
Project: Central Bank Rehabilitation and New Building, Colombo, Sri Lanka

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