



**Faisal Electro-Mechanical Co. Ltd.**

**Company Profile**

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## About Us

- **FEMCO** is a multidisciplinary one of the leading **EPC Saudi Contractors**, with being considered as an **industry leader** in **Infrastructure, District Cooling Plants, Buildings, Water & Power, Industrial** and other related construction facilities, as received many prestigious contracts which were successfully completed all over the Kingdom, with more than 25 years of experience.
- **FEMCO** has also been recognized for its reliability, flexibility and strong execution track-record, as all the projects undertaken by **FEMCO** were executed with high quality and expert management and a workforce dedicated to their work.
- Through its rich resources coupled with the financial strength, effective operational system, extensive experience in the field of construction and engineering as well as the high quality of technical and managerial staff, **FEMCO** recognizes any challenge posed by new projects regardless of the size or complexity of the project with its commitment to competitive prices and compliance to all quality and safety standards.

# Classification

FEMCO is classified to undertake contracting activities as per the below classification grades from MOMRA

Required Classification	FEMCO Classification Grade	Financial Limit / Million (SR)
<b>Mechanical Works</b>	First	More than 280
<b>Electrical Works</b>	Second	280
<b>Buildings</b>	Third	140
<b>Maintenance of Buildings</b>	Second	140
<b>Maintenance and Operation of Water &amp; Sewage Works</b>	Second	140
<b>Water &amp; Sewage Works</b>	Fourth	42
<b>Electronic Works</b>	Fourth	21

- FEMCO is prequalified with Saudi ARAMCO for Civil Infrastructure & Underground Utilities and Industrial Mechanical Maintenance, under Vendor ID: 10060943

- FEMCO also prequalified with SEC for Distribution Projects.

Classification: Saudi Aramco: Company General Use

Good day Bahaa,

I would like to inform you that your company passed our evaluation, your company is listed and included in our PMT CIVIL INFRASTRUCTURE & UNDERGROUND UTILITIES GBS as CAT II.

Feel free to communicate me if you need more information.

Regards,

Classification: Saudi Aramco: Company General Use

Greetings FAISAL ELECTRO-MECHANICAL CO. LTD. ( 10060943 ),

Please be advised that your Company has been now prequalified and included in the following Saudi Aramco Contracting Department General Bid Slate:

Industrial Mechanical Maintenance GBS

Supply Chain Business Line  
Localization and Qualification Department  
Tel: 011-80-77006  
Fax: 011-80-77041



Date : 14/02/2019 Ref# 14-5000556-1402-19  
To : FAISAL ELECTRO-MECHANICAL CO. (Branch) SAP # 5000556  
Address : DAMMAM  
Fax : 0138577796  
Phone : 0505874325  
E-mail : femco@femco.com.sa

Subject : FAISAL ELECTRO-MECHANICAL CO. (Branch) Prequalification Request

Reference to the above mentioned subject, Saudi Electricity Company is pleased to inform you that, the prequalification request of FAISAL ELECTRO-MECHANICAL CO. (Branch) (Dammam) as a contractor is accepted for Distribution Projects as per below scope and only for **One Tender** to evaluate your performance:

Qualification Scope	Voltage up to		Limitation
	34.5KV	69 KV	
Overhead Lines Projects	Not Approved	Not Approved	(For all operating areas)
Underground Cables Projects	Approved	Approved	
Substations Projects	Approved	Approved	

Notes:

- This Approval letter is valid for one year and should not be construed as a commitment for contracting; therefore the continuation of qualification regarding the above category(ies) is based on the following:
  - Continuation of technical and financial capabilities.
  - SEC evaluation of your performance for the awarded contracts, if any.
  - Validity of the commercial documents.
  - Your participate to the invitation of projects.
- It is the responsibility of the Contractor to notify Localization and Qualification Department of the following:
  - Change of Name/Address.
  - Any change of office location.
- Qualification for one tender as indicated above is an initial stage, the financial capability and Technical performance evaluation in awarded project will be the basis of upgrading to the general list.

Kindly acknowledge receipt of this letter by signing on the space provided below and return to us through E-mail : [LAQ-CRO@SEC.COM.SA](mailto:LAQ-CRO@SEC.COM.SA) for our file.

Best regards,

Muhammad Alotaibi  
Department Manager  
Localization and Qualification Department

Acknowledged Receipt:  
(please send to Email : [AMOrizi@sec.com.sa](mailto:AMOrizi@sec.com.sa))

Name in Print & Signature  
Date : \_\_\_\_\_

FEMCO is prequalified with NWC, Maaden and Modon.

Company Name	FAISAL ELECTRO-MECHANICAL CO. LTD.
Oracle Vendor Number	10834
Holding Company Name	FAISAL ELECTRO-MECHANICAL CO. LTD.,
CR No:	1010135922

 MA'ADEN معادن

 MODON مودون

Electronic Transactions System / [contractors/subcontractors](#) / [Vendor/Contractors](#)

[+ Add New](#)

10

Process	Valid until	Last Update	Request Status	Email	Mobile	Customer Name
	1443/11/08	1443/11/16	المراجعة الأولية	hdagrowth@femco.com.sa		شركة فيصل للأعمال الكهربائية والميكانيكية

 **NWC** Suppliers Portal

Supplier Home Orders Shipments Finance **Administration**

**Profile Management**

General

Company Profile

Organization

Address Book

Contact Directory

**General**

Organization Name	Faisal ElectroMechanical Co. Ltd. FEMCO	Supplier Number	20363
Arabic Name	شركة فيصل للأعمال الكهربائية والميكانيكية	Alias	
Parent Supplier Name		Supplier Type	Contractor
Parent Supplier Number		Supplier Origin	Local
Taxpayer ID		Sagla Number	
CR Number	1010135922	Parent CR Number	
CR Number 2			



## Our Mission

- **FEMCO** is dedicated to serve its customers with required standards, reliable quality system & knowledgeable management, caring for its employees, and meeting the expectations of its business partners, through optimum utilization of available resources.

- It is essential that we consistently meet or exceed our customer's expectations for Quality, Performance, Timeliness, cost of product/ Services.



# Quality Policy

FEMCO management is monitoring all activities associated with the provision of services executed by FEMCO to their clients by a Quality System, complying with the stipulations of **ISO 9001:2015**.

FEMCO is committed to consistently provide excellence and quality of its services to exceed the expectations and requirements of our clients by:

- Maintaining the highest level of quality and efficiency of our services as per specifications.
- Adopting brilliance in every work activity we do.
- Strict compliance to applicable standards and regulations.
- Recognition of total involvement and participation of the entire workforce.





أرامكو السعودية  
—saudi.aramco



# certificate of appreciation

Presented to

**Faisal Electro-Mechanical Co.LTD.(FEMCO)**

This certificate is in recognition and appreciation of your hard work, dedication, professionalism and outstanding contribution to the Replacement D31-K-0523A Blower Project @ Shedgum Gas Plant, which was safely completed, as per time line schedule, October 2020.

Israel Ike Trevino, Proj Sup  
ShGP Maintenance Division

شركة فيمكو

المحترمين

السادة / شركة فيمكو

السلام عليكم ورحمة الله وبركاته

يسرنا أن نتقدم لكم بالشكر والتقدير على تعاونكم مع محطات تحلية ينبع المدينة المنورة في تطبيق الإجراءات الاحترازية والوقائية في ظل الظروف الراهنة وما يمر به العالم نتيجة تفشي جائحة كورونا COVID-19 . آملين أن يستمر هذا التعاون بما يضمن سلامة الجميع وبما يحقق المصالح المشتركة لكلا الطرفين.

وتقبلوا تحياتي

To / FEMCO Company

We are pleased to offer you thanks and appreciation for your cooperation with SWCC Yanbu Plants in the application of preventive measures during this conditions and what goes through it across the world as a result of Corona pandemic COVID-19.

Hoping that this cooperation continues to guarantee the safety of everyone to achieve the common interests of both parties.

Best Regards,,

Yanbu Plants Manager

مدير محطات تحلية ينبع المدينة المنورة

28 APR 2020

المهندس / أحمد بن جعفر السنتلي



المؤسسة العامة لتحلية المياه المالحة  
Saline Water Conversion Corporation





# HSE Policy

We pride ourselves in achieving low accidents and injuries tally by the emphasize of instilling safe working practices in all areas of business.

In order to maintain a high standard of protection for all company employees and also those of our sub-contractors and clients, FEMCO has been certified with **ISO 14001:2015 & 45001:2018**, and developed a documented HSE Manual, which is implemented at all project sites with managements commitment, in addition to a five languages Safety Handbook.





FEMCO has passed **Saudi ARAMCO Safety Prequalification** on September 20<sup>th</sup>, 2018, which is valid for **5 years**.

Classification: Saudi Aramco: **Company General Use**

Greetings FEMCO,

This is to inform you that you have successfully passed the Saudi Aramco safety prequalification on 09/20/2018

This prequalification is valid for 5 years from the above mentioned date

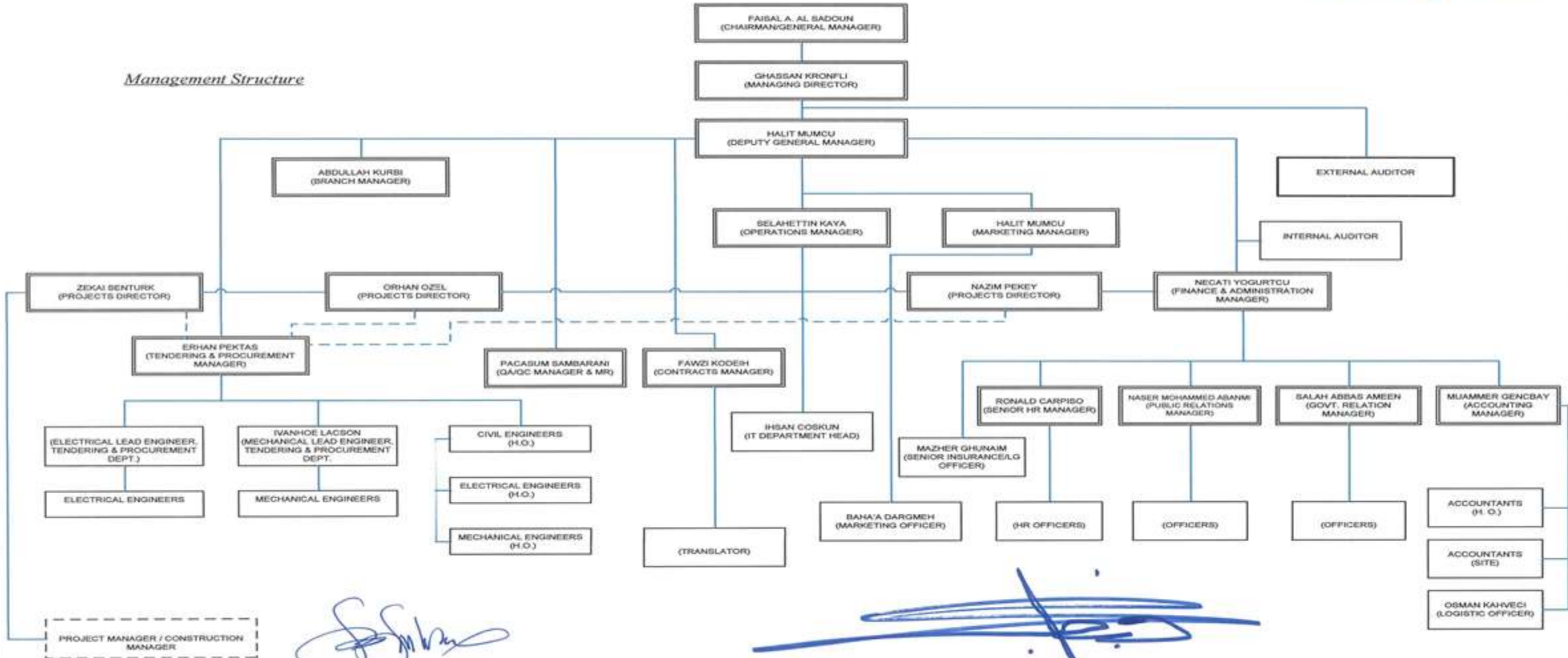
Regards

FEMCO has also received valuable certificates from **Royal Commission for Jubail & Yanbu** as an award for **ESH**



# ORGANIZATION CHART - FEMCO

## Management Structure

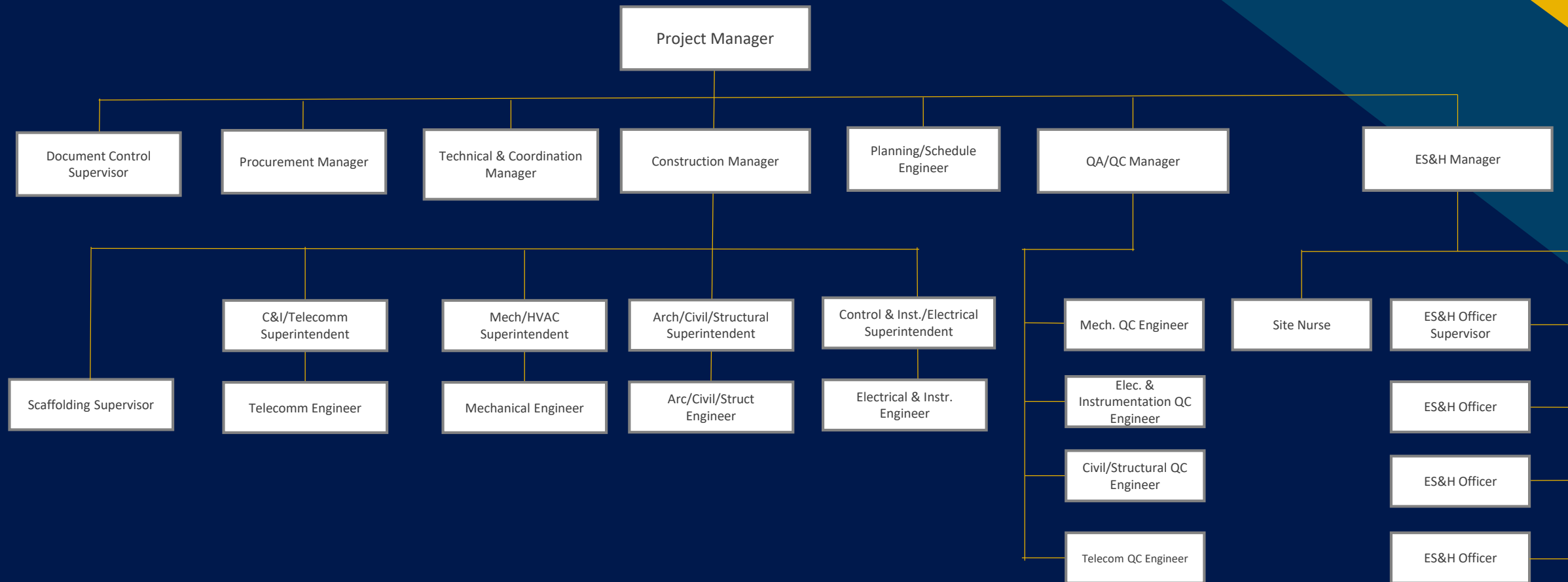


NOTE :  
Management Representative reports to Deputy General Manager but some time reports to the General Manager as well.  
QA/QC Manager reports directly to Management Representative but some time reports to the Deputy General Manager as well.

Faïsal AL SADOON  
General Manager

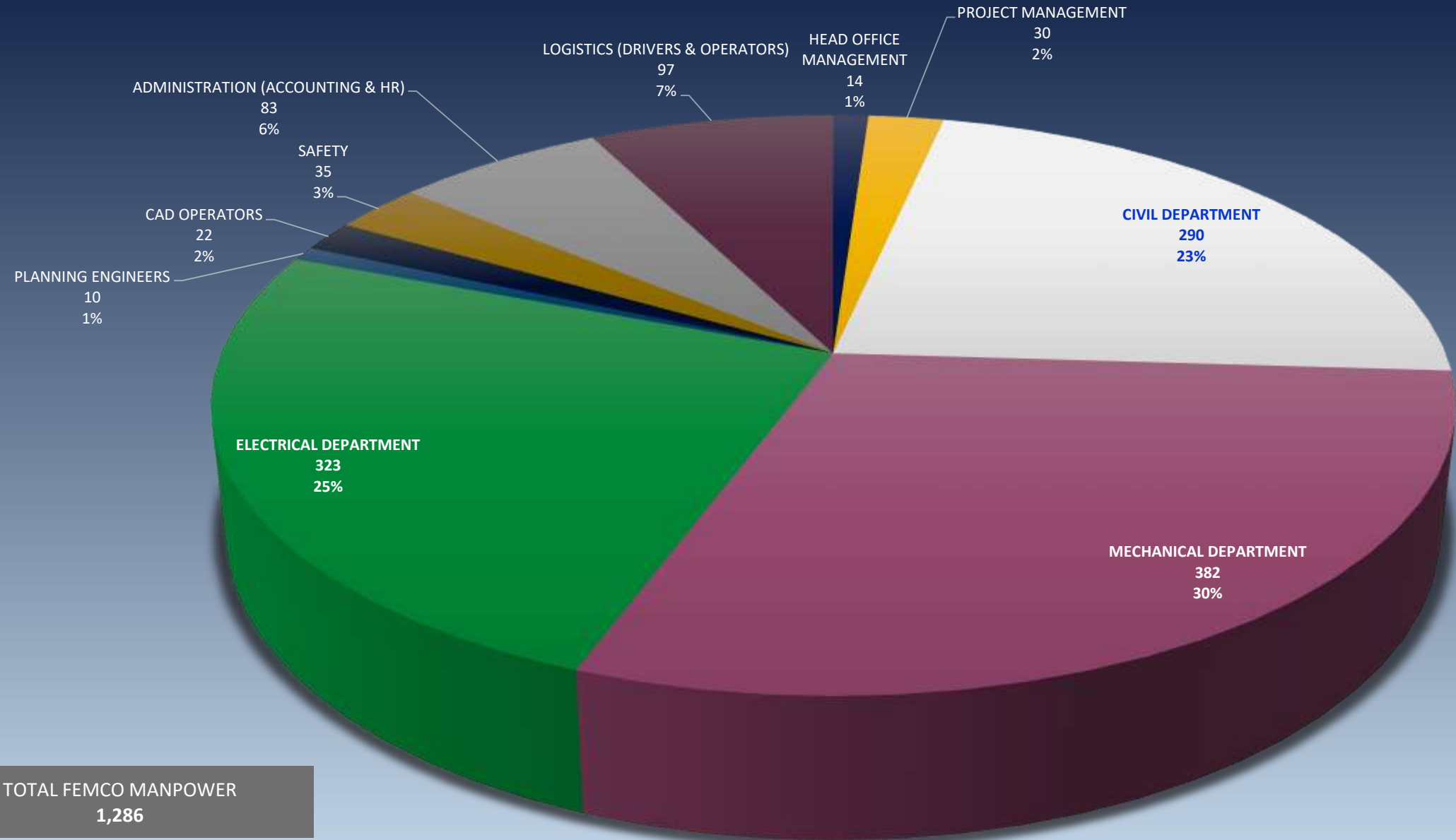
FEMCO فیکو

# Project Organization Chart

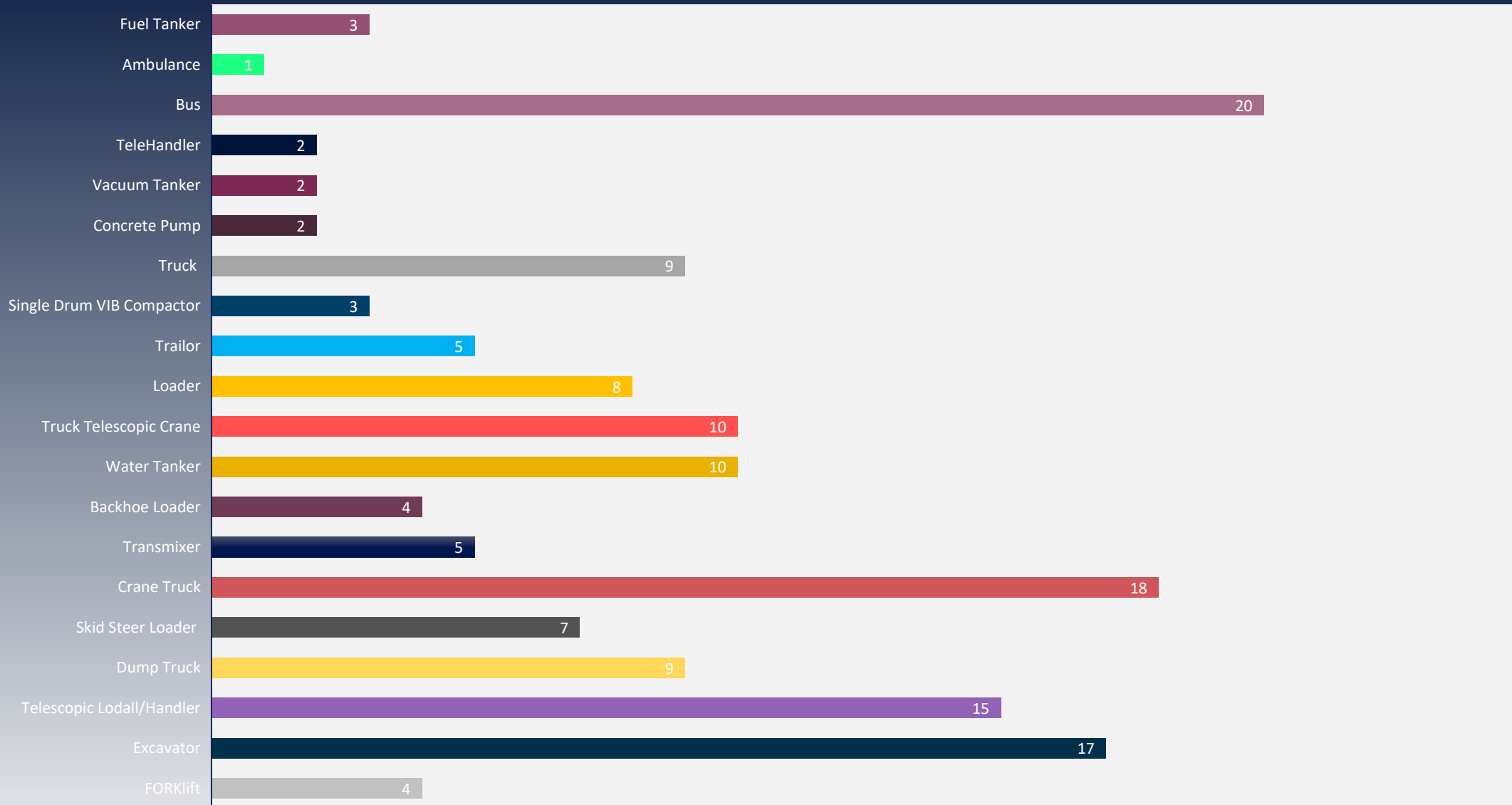




# FEMCO MANPOWER



# FEMCO Machinery & Equipment



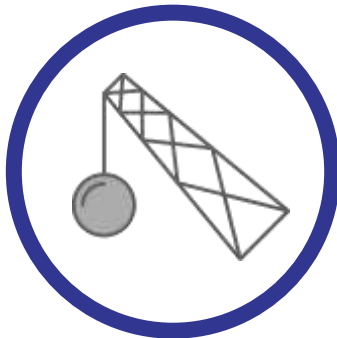
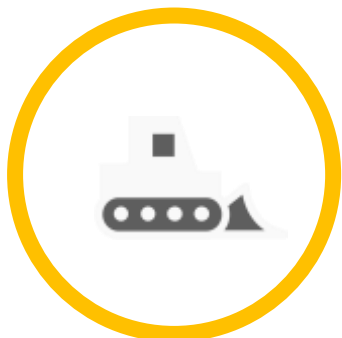
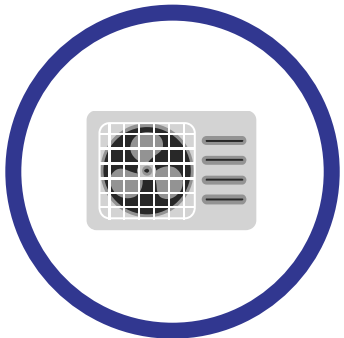
TOTAL FEMCO Machinery & Equipment  
155

# Mobilization



# Our Services

- *Infrastructure*
- *District Cooling*
- *Water & Power*
- *Industrial*
- *Buildings*
- *Operation & Maintenance*





Completed Projects



## Infrastructure for the University City, Phase-3, Stage-1

Client: King Faisal University  
Value: SR 600 Millions  
Location: Al-Ahsa - KSA  
Completion Date: Dec. 2011  
Project Type: Infrastructure - District Cooling - Water & Power



### The Main Scope of Work:

#### Site Development

Excavation & Backfilling: 428,000 m<sup>3</sup> & 1,028,000 m<sup>3</sup>

Concrete Works: 50,000 m<sup>3</sup>

Asphalt Works: 325,000 m<sup>2</sup>

Chilled Water Piping System: 14,800 m

Sweet Water Piping System: 9,000 m

Sewage Water Piping System: 10,000 m

Storm Water Piping System: 13,500 m

Raw Water Piping System: 12,000 m

Reverse Osmosis (RO) Unit Capacity 3,500 m<sup>3</sup>/day

Sewage Treatment Plant Capacity 3,770 m<sup>3</sup>/day (2 duty + 1 standby)

#### Chiller Plant

Water Cooled Centrifugal Chillers (Multi Stage): 9 nos. Capacity 3,150 TR each (TOTAL 28,350 TR)

Evaporator Flow: 3,900 GPM,

Water Entering Temp. 58°F

Water Leaving Temp. 38°F

Open Circuit Cooling Towers: 8 nos. Capacity 9290 GPM

Primary Chilled Pumps: 7 nos. TDH 13.7 bar, Capacity 3,877 GPM

Condenser Water Pumps: 7 nos. TDH 4.5 bar, Capacity 9,290 GPM

MV Switchgear 13.8 kV

#### Generator Plant

Emergency Generators: 2 nos. Capacity 1,000kVA each

Diesel Generators: 2 nos. Capacity 1000kW

Motor Control Centers (MCC), Street Lighting, Power, Panel Boards, Grounding and Lightning Protection, Pump Rooms, SCADA System controlling all campus utility buildings, Controlling all Colleagues Building through BMS System



## Infrastructure for the University City - (University Permanent Campus in Dammam) Phases 1,2,3,4 & 6

Client: **King Faisal University**  
Value: **SR 454 Millions**  
Location: **Dammam - KSA**  
Completion Date: **Nov. 2009**  
Project Type: **Infrastructure - District Cooling - Water & Power**



### **Site Development**

Excavation & Backfilling: 3,677,000 m<sup>3</sup>

Flexible Pavements: 107,700 m

Curbstone: 92,200 m

Sewer & Irrigation Piping System: 56,000 m

Sweet Water and Raw Water Piping System: 23,000 m

Chilled Water Piping: 769 m

LPG Piping with LPG Tanks: 850 m, 5 nos. LPG Tank Capacity 40,000 Gallon

Sweet Water Tank: Capacity 600 m<sup>3</sup>

Reverse Osmosis (RO) Unit: 2 nos. Capacity 600 m<sup>3</sup>/day

Water Tank: Capacity 1,800 m<sup>3</sup>

Sewage Treatment Plant: 3 nos. Capacity 1,600 m<sup>3</sup>/day

### **Chiller Plant**

Water Cooled Centrifugal Chillers: 10 nos. Capacity 1,300 TR each (TOTAL 13,000 TR)

Open Circuit Cooling Towers: 11 nos. Capacity 3,900 GPM

### **Generator Plant**

Emergency Generators: 2 nos. 1,500 kVA

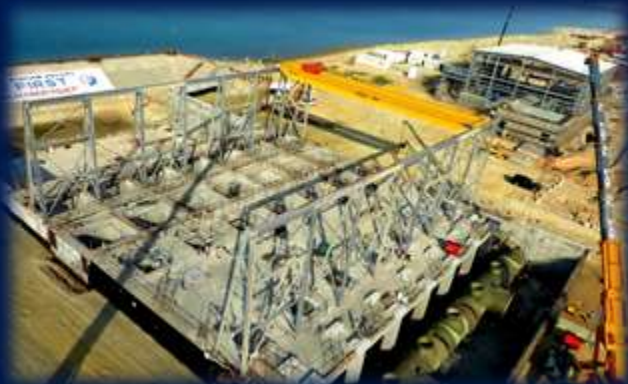
Other important works, including but not limited to; Construction of Roads with 1267 Poles of Street Lights, Walkways, & Parking. 9 nos. Power Transformers, 4 no. MV Switchgear of 40 MVA / 13.8 MV capacity and Installation of 75 KM of 15 KV MV Cables, Telephone & Computer Data System, Clock System, MATV, CCTV Surveillance, CCMS / BMS / Fire Alarm System incl. Sprinklers, FM 200 Fire Suppression System & Fire Hydrants.





## P&C FOR SEA WATER PUMP STATION (201-C01)

Client: **Royal Commission for Jubail & Yanbu**  
Value: **SR 429 Millions**  
Location: **Ras Al Khair - KSA**  
Completion Date: **July 2017**  
Project Type: **Infrastructure - Water & Power**



### Sea Water Cooling Pump Station

Vertical Mixed Flow Pump: 4 nos. Capacity 15,000 m<sup>3</sup>/hr each (TOTAL 60,000 m<sup>3</sup>/hr)  
Mechanical Bar Screen: 4 nos. Capacity 15,000 m<sup>3</sup>/hr, Clearing Space between bars 80 mm  
Travelling Band Screen: 4 nos. Capacity 15,000 m<sup>3</sup>/hr, Screening Aperture Size 5x5 mm  
FRP/GRP Water Piping including Valves and Fittings: 1,780 m up to 3,300 mm dia.  
Overhead Crane: 1 nos. Lifting Capacity 40 ton  
Excavation and Backfilling: 45,000 m<sup>3</sup> and 5,000 m<sup>3</sup>  
Concrete: 18,000 m<sup>3</sup>

### HYPOCHLORITE Generation Building

Sodium Hypochlorite Generators: 3 nos. Capacity 540 kVA  
Seawater flow through one Generator: 50 m<sup>3</sup>/hr  
Hypochlorite Production: 100 kg/h  
Hypochlorite Concentration: 2,000 ppm  
Seawater Booster Pump : 2 nos. TDH 1.8 bar Capacity 528 GPM  
Automatic Self-Cleaning Filters: 2 nos. Capacity 528 GPM  
Sodium Hypochlorite Storage FRP Tank: 2 nos. Capacity 80 m<sup>3</sup>  
SEC 115 kV Power Supply: Including design & engineering works of 115kV cabling system  
Site Development  
Intake Dredging Works: 200,000 m<sup>3</sup> Dredging of intake canal  
Shoreline Rip Rap Protection: 9,300 m<sup>2</sup>  
Shoreline Interlocking: 1,800 m<sup>2</sup>  
Toe-Down to Dredged Channel: 600 m<sup>3</sup>  
Grading : 200,000 m<sup>2</sup>  
Surfacing: 5,000 m<sup>2</sup>  
Asphalt : 12,000 m<sup>2</sup>  
Jelly Fish Basin Length 100 m, Width 60 m and Depth 2 m  
Cofferdam Temporary Works 60 x 100 m  
Staff Control Building, Switchgear Building, Workshop Building, Guard House, SEC Building

## Infrastructure in Girls Colleges in Al Rayyan Complex in Dammam

Client: **Imam Abdulrahman Bin Faisal University**  
Value: **SR 349 Millions**  
Location: **Dammam - KSA**  
Completion Date: **April 2017**  
Project Type: **Infrastructure - District Cooling - Water & Power**



### The Main Scope of Work:

#### Site Development

Excavation & Backfilling: 115,000 m<sup>3</sup> & 52,000 m<sup>3</sup>

Service Tunnel 5,500 m

Chilled Water Piping System: 11,000 m

Storm Water Piping System: 4,500 m

Sewage Water Piping System: 4,000 m

Potable Water Piping System: 9,000 m

Domestic Water Piping System: 9,000 m

Irrigation Water Piping System: 66,000 m

Fire Water Piping System: 10,500 m

Data, Voice, CCTV, Public Address, Fire Alarm Networks:

4,200m x 5 = 21,000 m

MV Distribution Network: 29,000 m

LV Distribution Network: 19,000 m

Water Storage Tanks

Fire & Domestic Water Tank: 1 nos. Capacity 5,304 m<sup>3</sup>

Potable Water Tank: 1 nos. Capacity 2,673 m<sup>3</sup>

Irrigation Water Tank: 1 nos. Capacity 2,460 m<sup>3</sup>

Raw Water Tank: 1 nos. Capacity 550 m<sup>3</sup>

### Pump Rooms

Domestic Water Pump Room: 3 nos. TDH 6.5 bar, Capacity 555 GPM

Fire Water Pump Room: 2 nos. TDH 13 bar, Capacity 1250 GPM

Irrigation Water Pump Room: 1 nos. TDH 7 bar, Capacity 397 GPM

Potable Water Pump Room: 3 nos. TDH 7.5 bar, Capacity 365 GPM

### Chiller Plant

Water Cooled Centrifugal Chiller: 6 nos. Capacity 2,946 TR each (TOTAL 17,676 TR)

5 nos. Closed Circuit Cooling Towers, Chilled & Condenser Water Pumps, MV

Switchgears, Transformers, Motor Control Centres



## Wadi Jeddah - Infrastructure Works for Projects of King Abdulaziz University Northern Area

Client: **King Abdulaziz University**  
Value: **SR 291 Millions**  
Location: **Jeddah - KSA**  
Completion Date: **May 2018**  
Project Type: **Infrastructure - District Cooling**



The Main Scope of Work:

### Chiller Plant

Water Cooled Centrifugal Chillers: 12 nos. Capacity 2,185 TR each (TOTAL 26,220 TR)

Fluid Coolers draft type with dual axial fans and coils: 60 nos. fans total and 4.88 m dia.

Chilled Water Pumps: 12 nos. TDH 2 bar, Capacity 4,548 GPM

Condenser Water Pumps: 12 nos. TDH 3.5 bar, Capacity 7,147 GPM

Distribution Pumps: 6 nos. TDH 7 bar, Capacity 10,700 GPM

Isolating Valves: 422 nos. up to 1,050 mm dia.

Chilled Water Piping: 6,000 m total

Transformers Dry Type: 6 nos. Capacity 13.8 / 0.38 kV

Other important works, including but not limited to; Motor Control Centers (MCC), Area Lighting, Power, Panel Boards, Grounding and Lightning Protection

# KFU Teaching Hospital Project, Phase-1

Client: **King Faisal University**  
Value: **SR 290 Millions**  
Location: **Al-Ahsa - KSA**  
Completion Date: **June 2013**  
Project Type: **Infrastructure - District Cooling - Water & Power**



## Site Development

Excavation & Backfilling: 263,000 m<sup>3</sup> & 220,000 m<sup>3</sup>  
Concrete Works : 8,000 m<sup>3</sup>  
Asphalt Works: 52,000 m<sup>2</sup>  
Curbstone: 10,000 m<sup>2</sup>  
Chilled Water Piping System: 4,500 m  
Storm Water Piping System: 800 m  
Sewage Water Piping System: 2,200 m  
Potable Water Piping System: 2,200 m  
Raw Water Piping System: 2,800 m  
Well Water Piping System: 500 m for 3 nos. deep well  
Reverse Osmosis (RO) Unit: 2 nos. Capacity 750 m<sup>3</sup>/day  
Break Water Tank: 1 nos. Capacity 500 m<sup>3</sup>

## Chiller Plant

Water Cooled Centrifugal Chillers: 6 nos. Capacity 2,151 TR each (TOTAL 12,906 TR)  
Air Cooler Radiators: 44 nos. Capacity 269 TR each (TOTAL 11,836 TR)  
Primary Chilled Pumps: 8 nos. TDH 2.6 bar, Capacity 3,250 GPM  
Condenser Water Pumps: 8 nos. TDH 3.7 bar, Capacity 7,300 GPM  
Secondary Chilled Pumps: 5 nos. TDH 6 bar, Capacity 5,700 GPM  
Boilers: 4 nos. Capacity 7,710 kg/hr  
Generator Plant  
Generators: 5 nos. Capacity 2500kVA each  
MV Switchgear: 1 nos. 13.8 kV, 2500 kVA

## Pump Rooms

Raw Water Pump: 4 nos. TDH 9.5 bar, Capacity 161 GPM  
Irrigation Water Pump: 3 nos. TDH 6.5 bar, Capacity 250 GPM  
Fire Pump: 2 nos. TDH 13.5 bar, Capacity 47 GPM



## Dammam University Infrastructure - Phase 3 Underpass Construction

Client: **Imam Abdulrahman Bin Faisal University**  
Value: **SR 215 Millions**  
Location: **Dammam - KSA**  
Completion Date: **Nov. 2013**  
Project Type: **Infrastructure**



Total length: 952 m  
Width: 30 m  
Project includes second pile shoring system, tensile piles under raft, concrete and road works.

## Replacement and Development of Infrastructure for King Fahad Hospital

Client: **Ministry of Health**  
Value: **SR 175 Millions**  
Location: **Hofof - KSA**  
Completion Date: **June 2019**  
Project Type: **Buildings**



The purpose of this Contract is execution of renovation works such as: mechanical works, electrical works, landscaping works, parking lots works, cables, communication system and information technology, internal/external lighting, package substations (transformation station and distribution station), generators, drinking water distribution system, HVAC system, lighting, finishing works, wood works, roads and parking lots organization.



## Development & Expansion of Central Chillers Plant

Client: **King Saud University**  
Value: **SR 149 Millions**  
Location: **Riyadh - KSA**  
Completion Date: **April 2014**  
Project Type: **District Cooling**



Replacement of Water Cooled Centrifugal Chillers: 6 nos. Capacity 5,000 TR each (TOTAL 30,000 TR)  
Replacement of Chilled Water Pumps: 7 nos. TDH 8.2 bar, Capacity 7500 GPM  
Replacement of Condenser Water Pumps: 7 nos. TDH 3 bar, Capacity 10,500 GPM  
Overhead Crane: 1 nos. Lifting Capacity 60 ton

## Preparation of Infrastructure for the University City, Phase 4

Client: **King Faisal University**  
Value: **SR 143 Millions**  
Location: **Al-Ahsa - KSA**  
Completion Date: **June 2013**  
Project Type: **Infrastructure**



Providing full operation preventive maintenance and overall maintenance for electro-mechanical network systems for campus & around 15 campus buildings.

Roads & Street Improvement Works: 285,000 m<sup>2</sup>  
Landscape & Hardscape Works: 90,000 m<sup>2</sup>  
Sanitary Sewer Piping System: 3,300 m  
Storm Water Drainage Piping System: 6,500 m  
Raw Water Piping System: 4,800 m  
Sweet Water Piping System: 2,600 m  
Well Water System: 4 nos. deep wells  
Chilled Water Piping System: 800 m





## Replacement and Development of Infrastructure for King Khalid Hospital

Client: **Ministry of Health**  
Value: **SR 97 Millions**  
Location: **Al Kharj - KSA**  
Completion Date: **Sep. 2019**  
Project Type: **Buildings**



The purpose of this Contract is execution of renovation works such as but not limited to: mechanical works, electrical works, landscaping works, parking lots works, cables, communication system and information technology, internal/external lighting, package substations (transformation station and distribution station), generators, drinking water distribution system, HVAC system, lighting, finishing works, wood works, roads and parking lots organization.

## Design, Construction and Fit-Out of the DGDA Site Offices

Client: **Diriyah Gate Development Authority (DGDA)**  
Value: **SR 74 Millions**  
Location: **Riyadh - KSA**  
Completion Date: **Mar. 2020**  
Project Type: **Buildings**



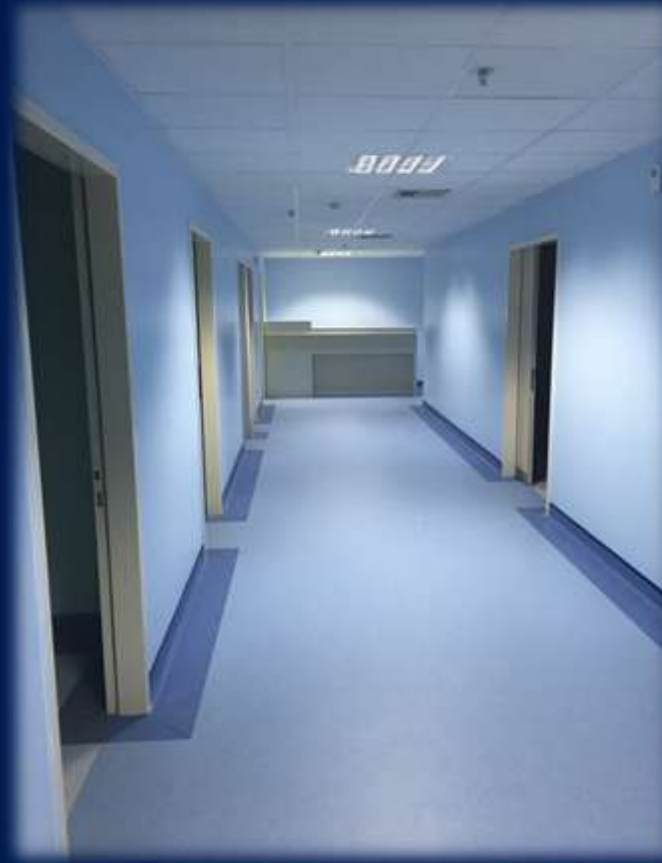
### **Work Description:**

Design, Engineering, Procurement, Supply, Construction, Fit-out, Testing, Commissioning and Handover of DGDA site offices including all associated civil and landscaping works and FF&E on accordance with the specifications.



## Replacement and Development of Infrastructure for Jubail General Hospital

Client: **Ministry of Health**  
Value: **SR 72 Millions**  
Location: **Jubail - KSA**  
Completion Date: **Sep. 2017**  
Project Type: **Buildings**



The purpose of this Contract is execution of renovation works such as: mechanical works, electrical works, landscaping works, parking lots works, cables, communication system and information technology, internal/external lighting, package substations (transformation station and distribution station), generators, drinking water distribution system, HVAC system, lighting, finishing works, wood works, roads and parking lots organization.

## Replacement and Development of Infrastructure for Qatif Central Hospital

Client: **Ministry of Health**  
Value: **SR 66 Millions**  
Location: **Qatif - KSA**  
Completion Date: **Sep. 2017**  
Project Type: **Buildings**



The purpose of this Contract is execution of renovation works such as: mechanical works, electrical works, landscaping works, parking lots works, cables, communication system and information technology, internal/external lighting, package substations (transformation station and distribution station), generators, drinking water distribution system, HVAC system, lighting, finishing works, wood works, roads and parking lots organization.



## Project of Infrastructure for the Preparatory Year in Faysaliyah

Client: **King Abdulaziz University**  
Value: **SR 58 Millions**  
Location: **Jeddah - KSA**  
Completion Date: **Oct. 2020**  
Project Type: **District Cooling - Infrastructure**



### The Main Scope of Work

Water Cooled Centrifugal Chillers: 11 nos. Capacity 560 TR each (TOTAL 6,160 TR)  
Chilled Water Primary Pumps: 7 nos. TDH 3 bar, Capacity 2,300 GPM  
Chilled Water Secondary Pumps: 7 nos. TDH 5 bar, Capacity 1,900 GPM  
Expansion Tanks: 4 nos. Capacity 900 Gallon  
Heat Exchangers: 11 nos. 1,750 kW  
Aboveground and Underground Chilled Water Piping: 3,500 m  
Sewage Piping System: 2,500 m  
Potable and Fire Water Piping System: 2,500 m  
Fire Pumps: 2 nos. TDH 6 bar, Capacity 317 GPM  
Fire Pump: 1 nos. TDH 8 bar, Capacity 1,000 GPM  
MV Switchgears: 4 nos. 13.8 kV  
Transformers: 2 nos. 13.8 / 0.4 kV  
Emergency Generator: 6 nos. 800 kVA



## Jeddah RO III (DHI / Jed RO / SA / MSE / OOI) (240 Million Liters Per Day)

Client: **Saline Water Conversion Corporation (SWCC)**  
Value: **SR 57 Millions**  
Location: **Jeddah - KSA**  
Completion Date: **Sep. 2013**  
Project Type: **Water & Power - Industrial**



RO Building: 1 st Pass Booster HP Pumps, Turbo Charger, Permeator Pressure Vessels  
Electrical, Instrumentation & Control system  
Electrical Equipment: 90 MVA, 380kV GIS and 380/13.8kV Transformers  
13.8kV and 480V Switchgears, UPS, Rectifiers, 13.8kV/480V Aux.  
Transformers Cable Trays and bridges.  
Testing and Commissioning

Progress of Equipment and Piping installation  
Sea Water Supply Pumps and Screening Equipment  
Air Compressor System  
Cartridge Filters  
Electro Chlorinator Systems  
Ferric & Polymer Dosing System  
DMF Back Wash Pumps  
Filtered Water Pumps  
Steel Structure (Platform, Pipe Rack, etc.)



## Technology Transfer and Water Purchase Production by SWCC through Construction of MED-TVC Unit in Shoaiba 2 Desalination Plant

Client: **SWCC Saline Water Conversion Corporation**  
Value: **SR 42 Millions**  
Location: **Shuaiba / KSA**  
Completion Date: **Nov. 2018**  
Project Type: **Water & Power - Industrial**



- The complete package / built-up MED Evaporator Unit (91,200 m<sup>3</sup> /day).
- Package CVL - 02 Civil Works; earthworks, foundations, road works, Construction of Electrical Control & Switchgear Building and Discharge pit etc.
- Package EMP - 01 Electromechanical erection works, with limited supply items such as insulation for piping materials, support materials etc.



## Infrastructure for Housing of University City (Generators - Synchronization Panel)

Client: **Imam Abdulrahman bin Faisal University**  
Value: **SR 36 Millions**  
Location: **Dammam - KSA**  
Completion Date: **Dec. 2018**  
Project Type: **Water & Power - Infrastructure**



The Main Scope of Work:

### Generator Plant

MV Generators with Battery Charger: 9 nos. Capacity 3,500 kVA, 13,8 kV  
Synchronization panel of MV generators: 1 nos. Capacity 17.5 KV, 1250 A, 25KA/3SEC  
Hoisting Cranes: 2 nos. Lifting Capacity 15 ton  
Other important works, including but not limited to; Data, Telephone IP System and CCTV System, Building Management System, Firefighting & Fire Alarm System



## Boundary Walls & Gates of the University

Client: **Imam Abdulrahman bin Faisal University**  
Value: **SR 33 Millions**  
Location: **Dammam - KSA**  
Completion Date: **June 2014**  
Project Type: **Infrastructure**



### Work Description

- UOD Hospital area main gate building & 8 km boundary wall with four secondary access gates.
- Civil works such as concrete pilling, concrete structure, precast, boundary wall, providing gate barriers and all finishing
- Electrical works such as lighting, power distribution, MV equipment's, fire alarm, boundary wall lighting and security CCTV network, telephone & data works
- Mechanical works such as utility connection to network for Potable, Sewage & Fire Water. Package Air Conditioning & HVAC distribution ducts, Storm-water network and building plumbing works.

## Development of HVAC System

Client: **Imam Abdulrahman Bin Faisal University**

Value: **SR 27 Millions**

Completion Date: **Sep. 2020**

Location: **Dammam - KSA**

Completion Date: **Sep. 2020**

Project Type: **District Cooling - Infrastructure**



### The Main Scope of Work:

Water Cooled Centrifugal Chillers:	3 nos. Capacity 1,300 TR each (TOTAL 3,900 TR)
Mechanical Draft Cooling Towers Open Type:	4 nos. Capacity 3,900 GPM
Filtration System:	20 nos. Capacity 54 m <sup>3</sup> /hr
Automatic Sand Trap Filters:	20 nos. Rang between 0.35 mm - 1.2 mm
Chilled Water Pumps:	3 nos. TDH 7 bar, Capacity 3,900 GPM
Condenser Water Pumps:	3 nos. TDH 3.5 bar, Capacity 3,900 GPM
Standby Diesel Generator:	1 nos. 1,500 kVA

Other important works, including but not limited to; Transformer, Ring Main Unit, Low Voltage Switchgear, Motor Control Center (MCC) installation, Aboveground & Underground chilled water piping including valves and fittings.



## Central Air Cooled Chillers (Phase 1) - Construction of Infrastructure for University City

Client: **Imam Abdulrahman Bin Faisal University**

Value (SR): **SR 26 Millions**

Location: **Dammam - KSA**

Completion Date: **May 2020**

Project Type: **District Cooling - Infrastructure**



### The Main Scope of Work:

Air Cooled Chillers: 8 nos. Capacity 500 TR each (TOTAL 4,000 TR)

Chilled Water Pumps: 10 nos. TDH 6.25 bar,  
Capacity 1,200 GPM

Chilled Water Piping System: 350 m, DN800, RTR/GRE,  
Underground

Other important works, including but not limited to; Expansion Tank & Air Separator, Split Units and Exhaust Fans, Firefighting FM200 System, Building Management Control System, Fire Alarm System, Grounding and Lightning system

## Upgrading of MV Distribution Network (4160 V) and Protection System for the Local Generation Station at Central Services Complex

Client: **King Saud University**  
Value: **SR 22 Millions**  
Location: **Riyadh - KSA**  
Completion Date: **Feb. 2016**  
Project Type: **Water & Power - Infrastructure**



Single core cable (1x240, 1x95, 1x70, 1x35, 1x16mm<sup>2</sup>) CU-XLPE/PVC-5K.v,  
(1x70, 1x35, 1x10 mm<sup>2</sup>) CU-PVC-600v, Instrumentation cable 16AWG XLP/PVC,  
Control cables 12 AWG XLP/CPE, Station (start-stop Emergency),  
Motor control center for chiller auxiliary, L.V cables single core, section 150 & 50mm<sup>2</sup> copper, insulation rate 1000V, Ground cable 50 & 16 mm<sup>2</sup>, Metal preparations, 5 pipes, Dia 3 inches,

Generator protection update

Battery charger for Turbine Generators

UPS uninterrupted power supply system

Induction Motor squirrel cage 700 HP / 4160V

Potential Transformer (type Tested) Metal Enclosed

Automatic transfer switch with enclose 600A & 400A

(MCC's) arc resistance metal enclosed MCC 4160V

(incoming C.B. 1200A with 28 (Nos) Motor starters)

(Incoming+ TIE C.B with 6. (Nos.) Motor starters)

Metal preparations, 2 pipes, Dia 2 inches.

Chiller distribution panel 380/220V (DP-3)



## Addition of Chillers for Enhancement of Air-conditioning in King Khalid Medical City In King Saud University

Client: **King Saud University**  
Value: **SR 21 Millions**  
Location: **Riyadh - KSA**  
Completion Date: **Nov. 2013**  
Project Type: **District Cooling**



**9 nos. of Closed Loop Type Cooling Towers, heat rejection 7,497,000 BTU / Hr. each water flow 1,500 GPM, 60HP fan motor.**  
**3 nos. of Water Cooled Centrifugal Chillers 1,500 TR capacity each (TOTAL 4,500 TR).**

Piping network for chilled water system with instrumentation, control, expansion join and valves.

3 nos. of Chilled water pumps centrifugal constant flow double suction split case type water flow rate 2,000 GPM @126ft.TDH, 200 HP motor, including control panel.

3 nos. of Condenser pumps centrifugal constant flow double suction split case type water flow rate 4,500 GPM @130ft.TDH, 300 HP motor, including control panel.  
Supply and install one Distribution pump centrifugal constant flow double suction split case type water flow rate 4,400 GPM @100ft.TDH, 200 HP motor, including control panel.



## Project of Supplementation of Infrastructure for the University City Third Phase (Lift Station)

Client: **Imam Abdulrahman Bin Faisal University**  
Value: **SR 19 Millions**  
Location: **Dammam - KSA**  
Completion Date: **March 2016**  
Project Type: **Infrastructure - Water & Power**



Gravity Pipeline; Catch Basins for GRP. GRP pipes 400, 600, 700, 800, 900, 1000, 1200mm dia. GRP manholes having 1200, 1500mm dia.

**Lift Station:** Excavation support secant piles. Total 1612 m2 wall to be constructed. Tension piles underneath the lift station. Ductile Iron Pipe and fittings to be supplied and installation. Submersible pumps with motor and control panel, vapour barrier membrane, Compartment System waterproofing, ceiling mounted weather proof fluorescent lighting fixture, grounding, and MV cables.

Force Main Pipeline; Supply and laying and install GRP pipe with Air Release Valve.

Electrical Room construction for Generator; Construction of Electrical room for Generator and Package substation, Supply and install the Package Substation and one unit of the Generator with storage fuel tank, Underground FRP fuel, Auto Transfer switch, grounding, MCC and ICP.

## Project to Furnish, Install, Test & Commissioning of Water Cooled Centrifugal Chillers and Vapor Absorption Chillers in AC Station

Client: **King Fahd University of Petroleum and Minerals**  
Value: **SR 9 Millions**  
Location: **Dhahran - KSA**  
Completion Date: **Nov. 2014**  
Project Type: **District Cooling**



Supply, Installation and Testing & Commissioning of 4 nos. Water Cooled Centrifugal Chillers 550 TR capacity each (TOTAL 2,200 TR)

Supply, Installation and Testing & Commissioning of 1 nos. Water Cooled Centrifugal Chiller 750 TR capacity .

Supply, Installation and Testing & Commissioning of 2 nos. Fire Absorption Liquid Chillers 200 TR capacity each (TOTAL 400 TR).

Supply, Installation and Testing & Commissioning of 2 nos. Fire Absorption Liquid Chillers 250 TR capacity each (TOTAL 500 TR).



On-going Projects



## Sea Water Cooling Supply and Return Works

Client: **Royal Commission for Jubail & Yanbu**  
Value: **SR 266 Millions**  
Location: **Ras Al-Khair - KSA**  
Completion Date: **Mar. 2023**  
Project Type: **Infrastructure - Water & Power**



### Sea Water Cooling Supply and Return Pipework

- ( FRP) Piping DN500 to 65 km underground including Valves Chambers and large diameter Valves.

### Electrical Power Distribution System

- Medium & Low Voltage Cables

### Control and Instrumentation Works

- (RTU), communication devices and (PLC)

### Electrical and Instrumentation Building (2 Nos.)

### Electrical, Instrumentation and Analyzer Building (1 Nos.)

- Power and Lighting System

- (UPS)

- Grounding System

## Teaching Hospital Project, Phase-2



Client: **King Faisal University**  
 Value: **SR 245 Millions**  
 Location: **Al-Ahsa - KSA**  
 Completion Date: **Jun.2021**  
 Project Type: **Infrastructure – District Cooling – Water & Power**



### The Scope of Work

#### Site Development

Excavation:	250,000 m <sup>3</sup>
Backfilling:	450,000 m <sup>3</sup>
Concrete Works:	10,000 m <sup>3</sup>
Precast Fence Wall:	3,000 m
Asphalt:	150,000 m <sup>2</sup>
Chilled Water Piping System:	1,000 m
Steam and Condensate Water Piping System:	2,000 m
Sewerage Piping System:	4,500 m
Potable Water Piping System:	5,000 m
Raw Water Piping System:	5,000 m
Fire Water Piping System:	4,000 m
Storm Water Piping System:	2,000 m
Irrigation Water Piping System:	6,000 m
Deep Well:	<b>4 nos. 250 m</b>
Deep Well Water Piping System:	1,000 m
Manholes:	110 nos. FRP
Water Steel Storage Tanks:	6 nos. Capacities 3,000 m <sup>3</sup> each
LV, MV and Communication Ductbank:	13,000 m
Cabling:	33,000 m
Transformers and Substations:	26 nos Up to 2,000 kVA
External Area Lightning:	950 nos.
Reverse Osmosis (RO) Plant:	750 m <sup>3</sup> /day

#### Generator Plant

Diesel Generators:	11 nos. 2,500 kVA
Underground Diesel Tanks:	3 nos. Capacity 40,000 Gallon

#### Chiller Plant

Water Cooled Centrifugal Chiller:	2 nos. Capacity 2,151 TR each (TOTAL 4,302 TR)
Air Cooler Radiators:	16 nos. 269 TR
Lift Stations:	<b>13 Nos., capacity of 8-12 m depth</b>
Steam Calorifiers:	<b>10 nos., 1600-5400 L</b>
Heat Exchangers:	<b>11 nos., 1675 kW &amp; 1805 kW</b>
Condensate Recovery Unit:	<b>2 nos., 200 L each</b>



## **Wadi Al Hada Residential Compound**

Client: **Wadi Al Rafia Investment and Real Estate Development**  
Value: **SR 236 Millions**  
Location: **Riyadh - KSA**  
Completion Date: **Dec.2021**  
Project Type: **Buildings**



### **Work Description:**

#### **Electrical & Mechanical Work**

##### **Scope of Work:**

- Residential compound of 469 units to be built on total land of around 215,000 m2 with total build up area of around 150,000 m2 works as bellow:
- Infrastructure work, Electrical and Mechanical works for Residential compound 469 units consisting of 8no's Villas 5 bedrooms duplex, 66no's of 3 bed rooms duplex townhouse, 57no's of 4 bedrooms triplex townhouse and 338 apartments distributed on 43 buildings. all these to be built on total land of around 215,000 m2 with total build up area of around 150,000 m2.
- Work shall include supply and install the following : 4no's of chillers 426kw/each, pipes for chilled water, potable water, and firefighting network with required valves, pipes and manholes for sewage system, medium voltage cables network, low voltage cables network, 13no's oil type transformer, 5no's RMU, generators, MCC panels, fuel tanks, Building management system (BMS) for complete work.



## **P & C District Cooling Plant RC - 097 C78**

Client: **Royal Commission for Jubail & Yanbu**  
Value: **SR 159 Millions**  
Location: **Jubail - KSA**  
Completion Date: **Mar.2021**  
Project Type: **District Cooling - Infrastructure - Water & Power**



### **Site Development**

Storm Water Piping System:	800 m
Potable and Fire Water Piping System:	700 m
Sanitary Water Piping System:	500 m
Break Water Storage Steel Tank	1 nos. 6 m dia. Capacity 150 m <sup>3</sup>
Potable Water Storage Steel Tank	1 nos. 9 m dia. Capacity 400 m <sup>3</sup>
Make-Up Water Storage Steel Tanks	2 nos. 14 m dia. Capacity 2,275 m <sup>3</sup>
Thermal Energy Storage Steel Tank	1 nos. 23 m dia. Capacity 24,000 ton/hr

### **Chiller Plant**

Electric Operated Overhead Cranes	2 nos. Lifting Capacity 15 ton
Series Counter Flow Water Cooled Centrifugal Chillers:	6 nos. Capacity 3,000 TR each (TOTAL 18,000 TR)
Induced Draft Field Erected Counter Flow Cooling Towers:	3 nos. Capacity 12,400 GPM
Chilled Water Pumps:	3 nos. TDH 3 bar, Capacity 9,000 GPM
Condenser Water Pumps:	3 nos. TDH 4 bar, Capacity 9,000 GPM
MV Switchgears:	2 nos. 4.16 kV and 3 nos. 13.8 kV
Diesel Generator:	1 nos. 300 kVA
Pump Stations	
Make-Up Water Pumps:	4 nos. TDH 2 bar, Capacity 376 GPM
Fire Pumps:	2 nos. TDH 9 bar, Capacity 750 GPM
Submersible Pumps	2 nos. TDH 3.5 bar, Capacity 1,200 GPM

Other important works, including but not limited to; Excavation and Backfilling, Expansion Tanks, Basket Strainers, Firefighting FM200 Clean Agent System, Air Handling Units, Package Units, Fan Coil Units and Exhaust Fans, Chemical Treatment System, Access Control System & SCADA, Area lightning system, telecommunication system.

## Construction of 132/13.8kV Substation for Rafha University

Client: **Northern Border University**  
Value: **SR 99 Millions**  
Location: **Rafha - KSA**  
Completion Date: **May 2021**  
Project Type: **Power - Infrastructure**



Construction of 132/13.8KV Rafha University substation at Rafha Area under Saudi Electricity Company supervision & End client is Northern Border University.  
As per contract, the scope is complete design, procurement, installation, testing & commission of:

132/13.8kV GIS based substation having 9 no. GIS bays,

2 nos. 132/13.8kV, 50/67MVA power transformers,

1 no. 13.8kV switchgear having 32 nos. switchgear breaker panel,

2 nos. capacitor bank, and associated equipment's & complete civil works are under our scope.

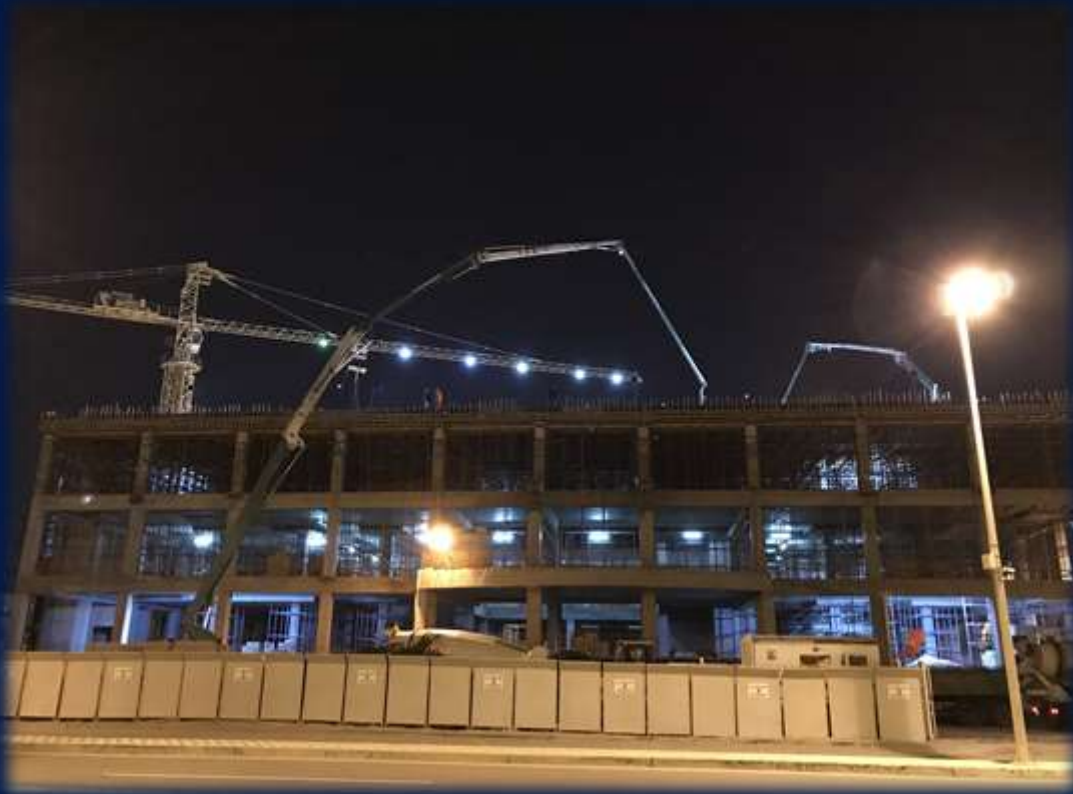
The substation will be SAS based & will be remotely control through SCADA system through gateway & fibre optic channel from the National Grid - National Telecommunication Control Centre (NG-NTCC)

Rafha-A S/S is the remote end. Addition of 2 nos. GIS bays for the new 2 lines & associated work related to protection, modification all will be under our scope.



## Medical Complex for Female Students - Medical Faculties in University City

Client: **Imam Abdulrahman Bin Faisal University**  
Value: **SR 61 Millions**  
Location: **Dammam - KSA**  
Completion Date: **May 2022**  
Project Type: **Buildings**



### Work Description

Site Work, Civil, Architecture, Structural, Mechanical, Electrical and Landscape Works.

### The Scope of Work:

#### ● Site Construction:

Construction of Building for Faculty of Dentistry.

Supply, Installation, Testing & Commissioning of Electro-Mechanical works; Air Handling Unit (AHU), Exhaust Fans ( EF ), HVAC, Fire Fighting, Power outlet, Transformer , Ring Main Unit (RMU) , Motor Control Center (MCC) , MDB, Data and Telephone System, IP CCTV System, Low Voltage & Medium Voltage Cables works and BMS System, Conveying system elevators, Freight Elevator.

Total Area of Building and Landscaping: Faculty land on around 7100 m2 with 15.000 m2 construction area



## Construction and Equipping of Environmental Safety and Control Department Building (ESCD)

Client: **Royal Commission for Jubail and Yanbu**  
Value: **SR 49 Millions**  
Location: **Yanbu - KSA**  
Completion Date: **Jun.2021**  
Project Type: **Buildings**



### The Scope of Work

Site Civil and Mechanical Works: Site preparation, construction of roads, potable and fire water distribution system, irrigation system and landscaping works.

Site Electrical Power Distribution System and Telecommunication: Supply, delivery, erection, test and commission of package substation, medium voltage cabling, grounding system and construction of telecom ductbanks, handholes as per contract drawing.

Environmental Safety & Control Department Building  
Construction of ESCD Building consist of implementation of civil, structure and architecture works, mechanical works and electrical works.

Pump Room: Construction of Pump Room beside the ESCD Building consisting of civil works, mechanical works and electrical works.

## District Cooling For Community Area Package 1 Pipeline Distribution Network

Client: **Royal Commission for Jubail and Yanbu**  
Value (SR): **SR 43 Millions**  
Location: **Yanbu - KSA**  
Completion Date: **Jun.2021**  
Project Type: **District Cooling - Infrastructure**



### The Main Scope of Work:

Engineering, procurement and construction (EPC)  
Chilled Water Piping System including valve chambers: 6,000 m  
Fiber Optic Cable: 1,500 m  
Excavation and Backfilling



## Other Projects

### 1. Riyadh-Qassim Water Transmission System Station & Terminal Construction - Saline Water Conversion Corporation



### 2. SWCC - JB-R-M-2681 Chilled Water Line - Saline Water Conversion Corporation





## Other Projects

### 3. Design, Supply and Construction of the Pump Station and the Pipe Connecting the Pump Station to the Existing Pipe Strip Tied- in to RQWTS Operating Tank Feeder in Buraidah Terminal - Saline Water Conversion Corporation



### 4. Installation of New Steel Pipe, I. D. = $\phi$ 1600mm for al Ghat- Buraida Pipeline Ring Road Crossing - SWCC/RQWTS - Al Ghat to Buraida Pipeline (KM 374) - Saline Water Conversion Corporation



# Saudi ARAMCO Projects



## 1. Replacement of the Existing D31-K-0523A Blower in SHEDGUM Gas Plant

To replace the existing D31-K-0523A Blower with all required expansion bellows & isolation requirements.

## 2. Execution of Two EDCs (EDC#4041068078 & EDC#08/2011) in Riyadh Refinery

EDC#4041068078: Replacement of (R 301) Z23 P51 A/B Vertical Pumps with Mechanical Steam Traps / Pumps.

EDC#08/2011: Installation of M/S Leakage Detection System on Z02-G-104 A/B

# Our Clients







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