



ABSCO

Air Conditioning Balancing Services Company

-  info@absco.com.sa
naseer@absco.com.sa
-  www.absco.com.sa
-  +966-5502-63277 - (+966)114602050
-  **Office No 05, Al Sahafa District
Riyadh 13321 - KSA**

-  [ABSCO](https://www.linkedin.com/company/absco)
-  [@ABSCO_KSA](https://twitter.com/ABSCO_KSA)
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-  [ABSCO](https://www.instagram.com/ABSCO)



ABSCO *PROFILE*



ABSCO

AIR & WATER BALANCING



ABSCO SERVICES

- 1- Testing Adjusting And Balancing.
- 2- Mechanical Testing And Commissioning.
- 3- Electrical Testing And Commissioning.
- 4- Building System Commissioning For Green Building (LEED).
- 5- Operation And Maintenance Manual.



ABSCO PROFILE

Company Overview

Air conditioning balancing services company (ABSCO) is proud of its 13 years' services in Saudi Arabia to meet the needs for professional and specialized engineering services for its clients and to advance the quality of the constructed environment while managing the process as effectively and efficiently as possible. Our ability to deliver results and build long-term partnerships with our customers is a fundamental part of our business.

Air Conditioning balancing services Company (ABSCO) has an extensive and relevant experience in implementing Testing and Balancing of HVAC Systems and Commissioning of Electromechanical Systems, starting from by pre checking of the system before the operation of the system, and then by using the specialized equipment in the field to completely commission the different systems and equipment in order to verify its functionality and meet the objectives pursued by the project.

1- Testing Adjusting And Balancing

- **Testing**

Testing is the base of our business, whether it is in new construction, with new chillers, boilers, air handlers, exhaust fans, circulating pumps, or already existing buildings. We are capable of performing all the testing requirements for these systems.

- **Adjusting**

Adjusting is the process of adjusting total volumes at fans or main branches in order to achieve the specified Air flows and air patterns at the terminal equipment.

- **Balancing**

Balancing is the process of regulating dampers or circuit setters to proportion the flows to the actual design values. If design values are not able to be met, then further testing is done

to determine root problems and solutions The services provided Air Conditioning Balancing Company (ABSCO) by under this field are:

- Complete air and hydronic testing and balancing of large, medium and small commercial air conditioning systems (i.e. VAV, multi-zone, double-duct, single zone with reheat systems).
- Balancing air and water distribution systems.
- Adjusting the total system to provide the specified quantities.
- Performance testing of clean room systems.
- Testing hospital systems with special requirements (i.e. surgery, isolation, sterile rooms).
- Indoor Air Quality (IAQ) Measurements.
- Duct pressure testing for leakage.
- Outside air CFM adjustment.
- Performing accurate electrical measurements.
- Establishing quantitative performance of all equipment.
- Verifying automatic controls.
- Measurement of sound and vibration levels.

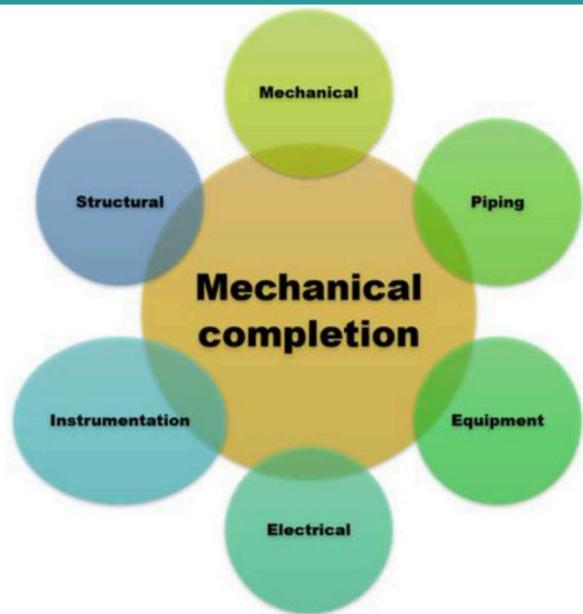




2- Mechanical Testing And Commissioning

The objectives of commissioning the mechanical system is to ensure that the systems and equipment are installed in accordance with the contract documents and that they operate as intended by the project design team.

Regular inspections need to be conducted and system operational tests need to be designed and executed to adequately prove that the entire system meets these requirements.



Our services in this field include commissioning of the following mechanical systems:

- Air Conditioning Systems.
- Heating Systems.
- Cooling Systems.
- Refrigeration Systems.
- Domestic and Drainage Systems.
- Piping Systems.
- Ventilation Systems
- Building Control and Management Systems.





3- Electrical Testing And Commissioning

- **Electrical Installation Testing:**

An electrical installation is the wiring system of a building from the mains position to items of electrical equipment, sockets, light fittings and everything in between and is the system in which all the electrical equipment is, or may be, electrically connected to a common source of electrical energy.

All aspects of the electrical installation are inspected and tested for strength, integrity and compliance with (the IEE Regulations BS7671 or International Electrical Testing Association NETA) in force at the time the system was installed and to the current regulations where applicable.

Our Scope could vary upon request we can carry the tests at all or we can supervisor the test carried by others and submit test report.

Inspection and Test for Low Voltage Installations

1. Power sources test: LV transformers 11Kv/400 v, Standby generators, UPS.
2. Cables: Insulation resistance test, continuity, dielectric, current carrying capacity, voltage drop.
3. Electrical Switch-gears, Panel boards, Power factor correction and MCC Panels.
4. Continuity of protective conductors including main and supplementary bonding and Continuity of ring final circuit conductors.
5. Earth fault loop impedance (Socket outlets).
6. Earth electrode resistance.
7. Circuit breaker & Protective devices: discrimination and cascading, RCD.
8. Prospective fault current & short circuit current.
9. Phase sequence.
10. Polarity (Socket outlets).
11. Lighting system (Lux) including Emergency lighting and Exit sign.





Electrical Testing And Commissioning

- **Inspection and Test for Low Current Installations**

12. Fire alarm system.
13. CCTV.
14. BMS.
15. Public Address.
16. Door Access.
17. Audio visual systems.
18. Data & telephone systems.
19. Security systems.

Functional Test of System / Equipment

20. Lightning Protection System.
21. Digital Multi function Power Meter.
22. Digital Power Analyzer.
23. Bus way System.
24. Equipment and appliances.
25. Elevators and Escalators.

- **Portable Appliances Test (PAT)**

A portable appliance is classed as any piece of equipment which can be connected to the common supply by means of a plug and socket arrangement (be it 13-amp or any other). It must be maintained to be safe at all times.

We use extremely accurate test instruments to carry out Portable Appliance Testing (PAT electrical testing). Remember; the objective of this exercise is to maintain electrical safety and prevent risk of fire or shock. You can feel secure in the knowledge that the task has been undertaken thoroughly; the safety of you and your colleagues will not be compromised.

- **Periodic Test**

All electrical installation systems required to be periodic check as specified in international standards for each kind of buildings.

4- Building System Commissioning For Green Building (LEED)

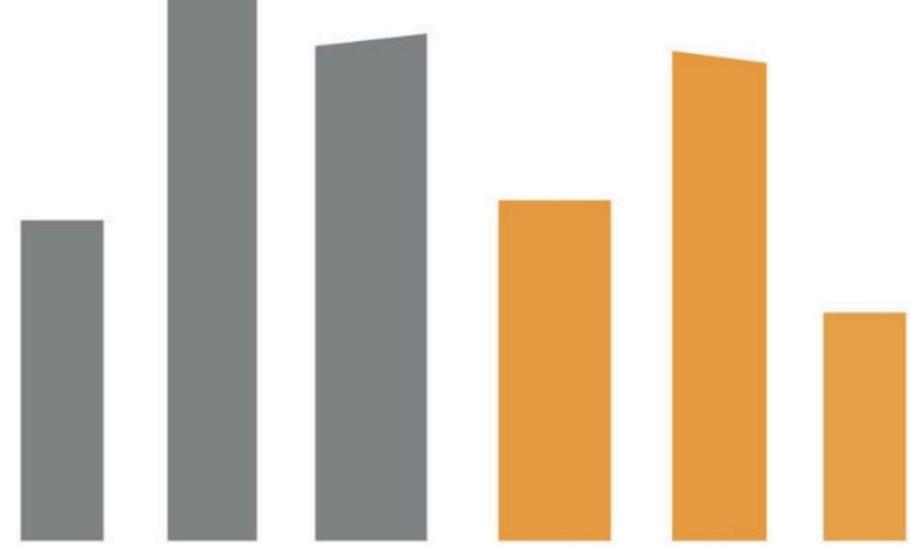


ABSCO is a qualified authority for providing commissioning services for green buildings.

ABSCO is providing the following services:

- Owners project Requirement Document.
- Design Review Report
- Review of Submittal
- Commissioning Plan
- Verification of the installation and performance of the systems.
- Complete Commissioning Report
- Preparation of Operation and Maintenance Manuals
- Review systems operation after the end of the defects liability period.

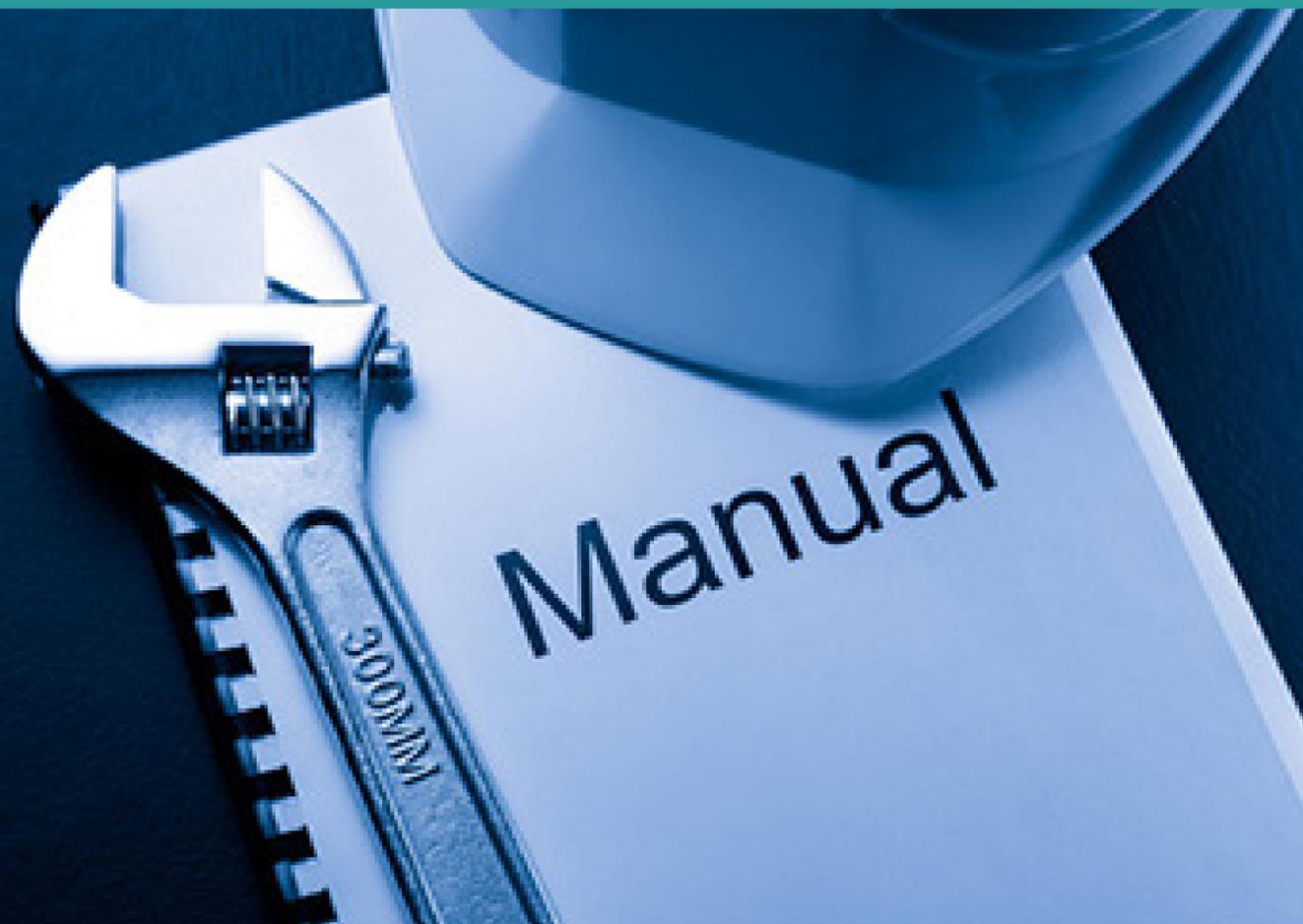




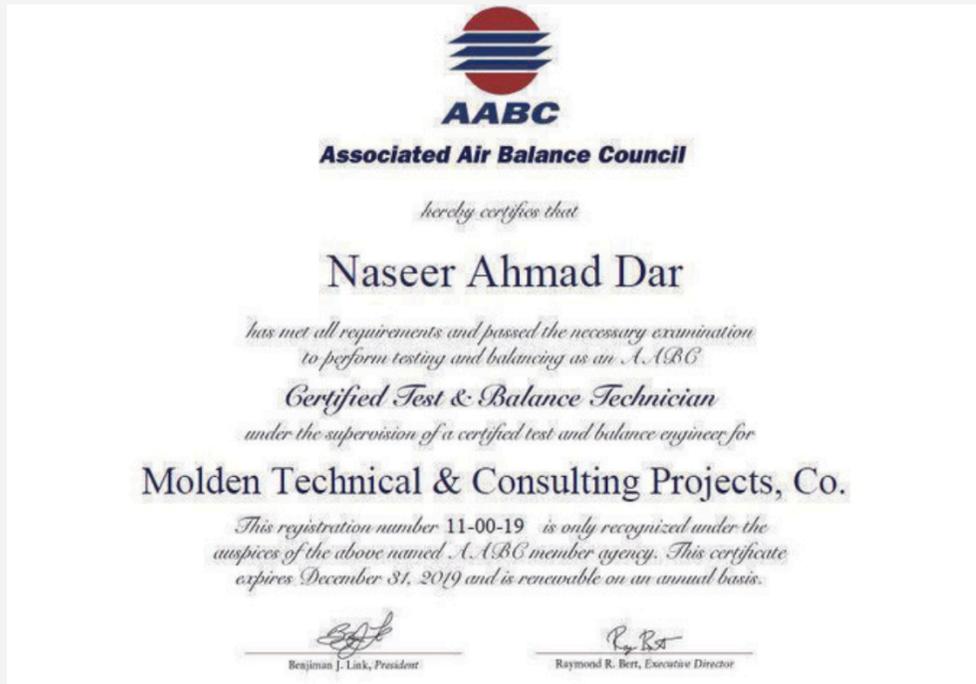
O & M

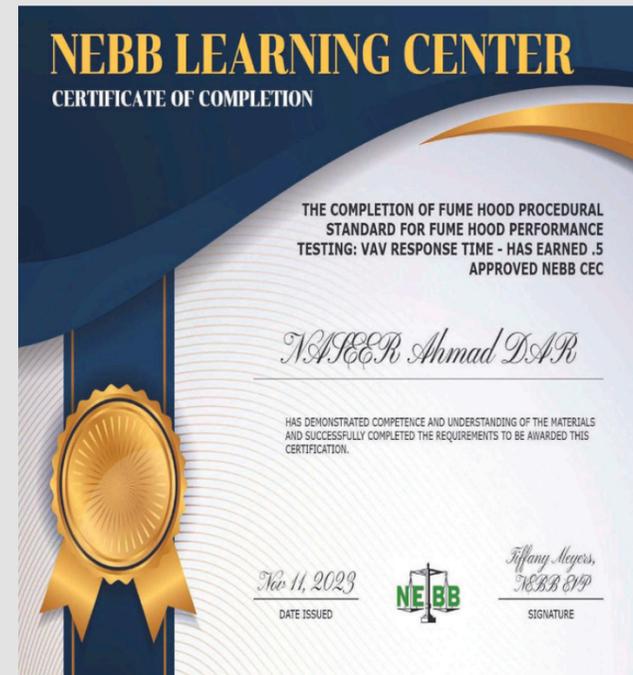
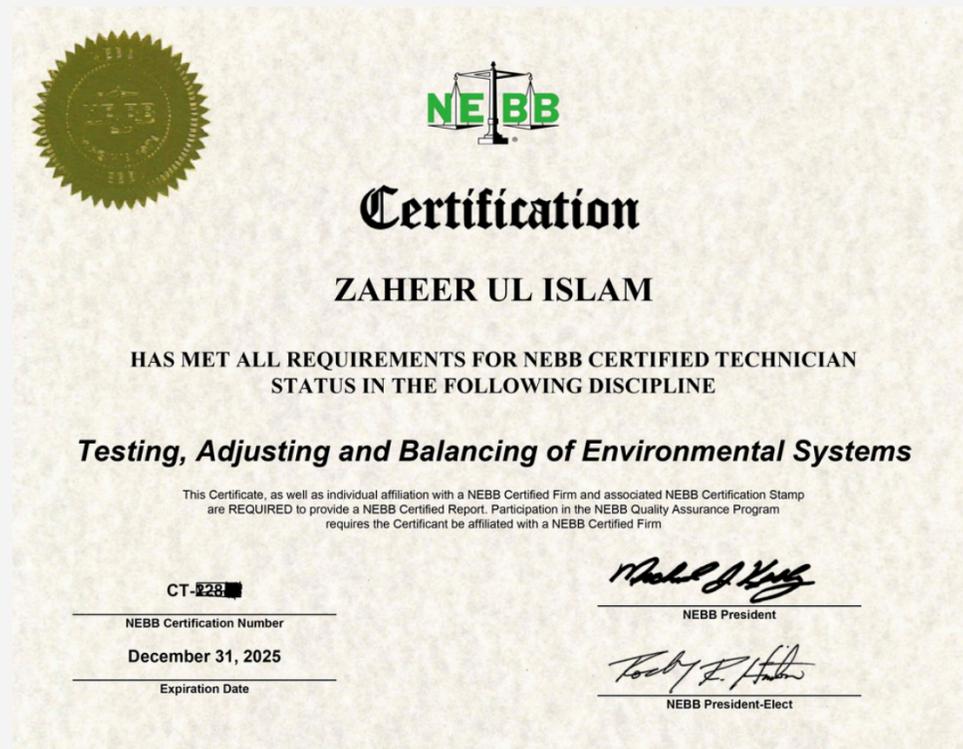
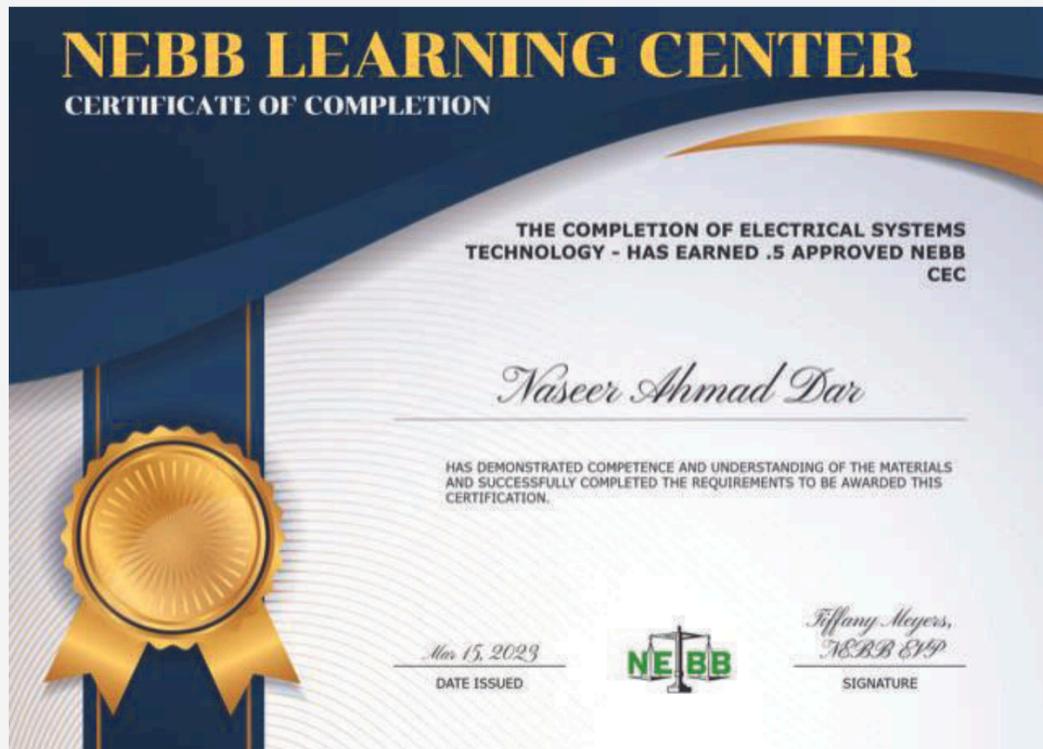
5- Operation And Maintenance Manual.

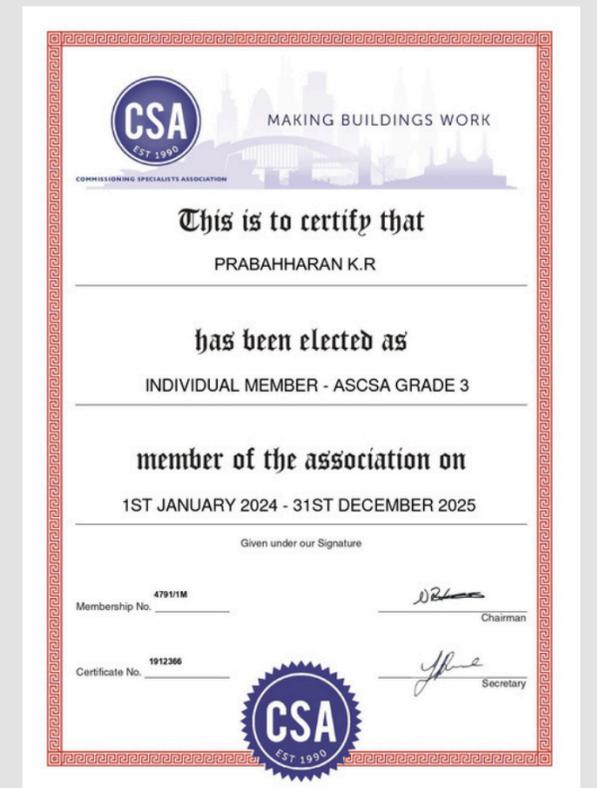
ABSCO is also specialized in preparing operation and Maintenance manuals and in accordance to international standards. O&M Manuals of the systems include System Description, Catalogues and Approved Submittals, Installation Instruction, Operation Instruction, Maintenance Instruction, Testing and Commissioning Reports & Supplier Contact Details & Warranty Letters and other related information for helping maintenance staff to operate and maintain the various systems at the highest possible efficiency.



ABSCO International Certifications









NEOM Bay Airport Terminal-B



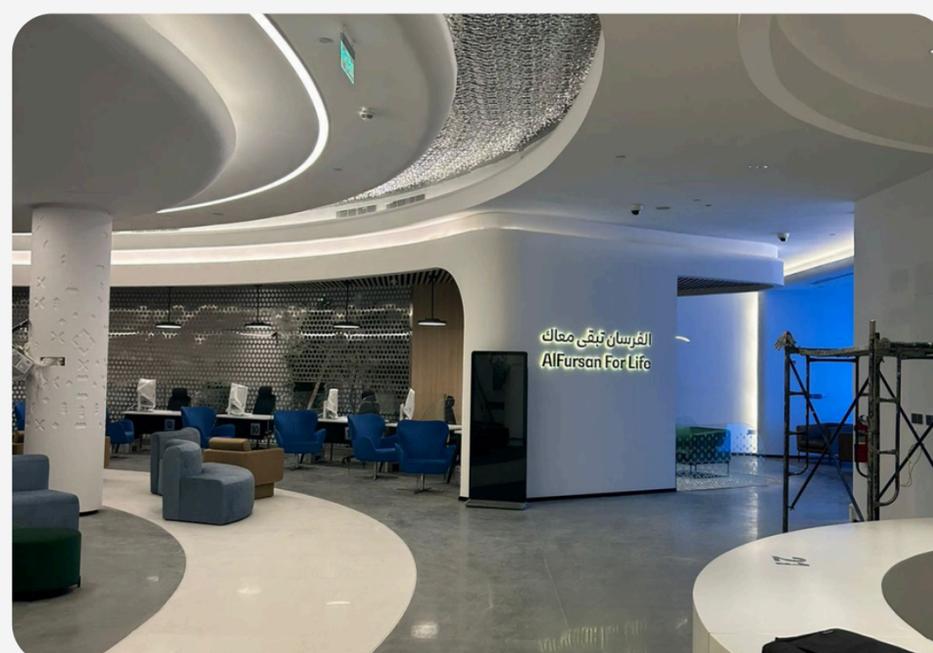
DR.Soliman Fakeeh Hospital-Madinah



Care Medical Riyadh Hospital



Honeywell Facility Spark - Dammam



Saudi Airline offices



kudu and Mcdonalds 33 Branches

ABSCO PROJECTS



Sultan Military Hospital – Madinah



Security Forces Medical Center



Red Sea Projects–Amana Cont. Co.



Fairmont Ramla Tower



STC Building – MURSALAT – RIYADH



Prince Sultan Military Medical



Dallah Hospital Extension



Retal International School



Al-AMER MALL - ALEHSA



Al Darah Hotel



IKEA



ALHABIB Medical Center



Meeqat 300 bed hospital



Citadiness Abha hotel



Deriyah Gate Experience Center



Diwan Almuhasaba - Albaha



KAUST Hotel



Novotel hotel - Riyadh



Prince Mansoor Hospital - Taif



Jeddah Admin. Court



Al-Jouf University



Pharmacy College – Tabuk University



Al-Safiyah Park & Museum



King Khalid University (KKU)



SAMASCO Tower



NCB Bank - Alkhobar



Park Inn hotel – Olaya - Riyadh



Modon project –Laysen Valley



High Commission Industrial Security



Madinah Gate Project



Zamil Tower - Riyadh



Office of Executive Affairs - Riyadh



Olayan Hospital - Riyadh



Al-Habib Hospital – Gharb Jeddah



Lulu Hyper Markets - Qassim



Dallah hospital - Namar

ABSCO APPROVALS



CONSULTANT: Omania عمارة @egis

CLIENT: وزارة الثقافة Ministry of Culture

CONTRACTOR: FGC FIRST GULF COMPANY

PROJECT: BLACK GOLD MUSEUM

PREQUALIFICATION SUBMITTAL

Ref. No.: 7448-BGM-FGC-PQD-MEC-00047 R00 Date: 12/05/2024

Description: Prequalification for TAB

Manufacturer: Airconditioning Balancing Services Co

Supplier: [REDACTED]

Code: 1

Received by: [Signature] Date: 25/05/2024

Omnia Comments: The pre-qualification of the Air Conditioning Balancing Service Co. (ABSCO) has been found acceptable with complying to the following:

- ABSCO is only approved for the HVAC TAB work as intended in the submittal. If the contractor wishes ABSCO to undertake additional systems, these must be submitted separately.
- ABSCO must provide their project staff chart (site staff) along with their CV.
- FGC and ABSCO shall coordinate and align their resources with the project schedule.
- All TAB procedures shall be submitted for review and approval as the compliance sheets indicate.
- Provide GOSI certificates, ABSCO Makkah headquarter/Riyadh Branch Addresses, and the TAB procedure submittal.
- Calibration certificates for all equipment to be used in the project must be submitted before work commencement.

Status: A Approved C Revise & Resubmit, Work shall not proceed N No Action

MATERIAL SUBMITTAL

PROJECT CODE: RH-0118

Submittal No.: NAL-DK-MU02-MAT-MEC-0022 Date of Submittal: 04/2021 Rev. 00

Manufacturer: KSA Specifications Details: AIR BALANCE

Supplier: ABSCO Floor: 7th - 9th Building: MU02

Item Description: AIR BALANCE WORKS

BOQ Detail: Supply and Installation Duct and make air balance Page No. Item No.

Country of Origin: KSA Contact Person: 996536347777

ITEMS SUBMITTED

Certificates Specifications Data sheet Drawing Samples Inst. Procedure Catalogue

Engineer's Comments: ** No objection to approve ABSco Co. For Air Balancing in 7-8-9th Floors MU02 Tower.*

DISCIPLINE: Mechanical Electrical Low Current

ACTION CODE: Approved A Approved as Noted B Revised & Resubmit C Rejected D

CONTRACTOR'S Name: NAL ALJAZERA CONSULTANT'S Name: DK DESIGNER

Date: 02-02-2022

Contractor: OCC Weavers

Consultant: Al Marai Engineering Consultants

Client: Almarai

Project: PFF2 - Project Boost - Riyadh

Prequalification Submittal

To: ALMARAI Attention: Engr. Raja A. Nazir CC: Engr. Mirza Ahmed Baig From: Engr. Mahmoud Saati

Ref.No.: PFF2-PRQ-111 Rev.No.: 0 Date: 30-Nov-24

Subject of Submittal: ABSCO (Airconditioning Balancing Services Co.)

Enclosure: Pre-Qualification of Subcontractor Method Statement Test results Certificate Delivery Notes Operation & Maintenance Manual Project Quality Plan HSE Plan Calculation Information

Contractor's Sign: [Signature] Date: 30-Nov-24

SUBMITTAL DESCRIPTION: Testing, Adjusting & Balancing (TAB) Works for HVAC System

Al Marai Engineer's Comments: ABSCO is approved for Testing, adjusting & balancing of chilled and airflows for AHU, FCUs and Ducted DX split units, as applicable.

- Company to review all HVAC shop drawings and should use to conduct Pre-TAB visit to advise contractor for devices required for TAB.
- Company to take all final material submittals of HVAC equipment from main contractor to fill in TAB forms for the design data, so the information is available prior to TAB works.
- Complete detailed report to be provided with marked drawings, filled TAB forms, brief information for the devices used, their calibration certificates, and Recommendations.

Al Marai Engineer's Signature: Ahmed Baig Date: 24-Dec-2024

المالك: شركة الطور للمساعدات الطبية ASCENDING PATHS

المشاور: شركة الطور للمساعدات الطبية ASCENDING PATHS

المقاول: شركة الطور للمساعدات الطبية ASCENDING PATHS

طلب اعتماد مواد MATERIAL SUBMITTAL

Request For Approval Of Company Profile

Submittal Serial	Request For Approval Of Company Profile	Submittal Title
SFHM-ASA-MS-MECH-0120-01	Testing & Balancing of HVAC System (TABCOMM)	مهندس المرافق
DWG. NO.	BOQ NO.	SPECS NO.

CONSULTANT'S APPROVAL

OWNER'S REPRESENTATIVE

التاريخ: 16 DEC 2024

نيوم NEOM

"Prequalification Submittal"

4100003821/000 - Prequalification Submittal for ABSCO (Air Conditioning Balancing Services Company).

D&B NEOM Consultancy Offices (Phase 1)

"14-244000-4100003821-SIA-MEC-PQD-000020" Rev "01", "Nov 2022"

Manens-Tifa

Project Name: Security Forces Medical Center

Contract No: 1503002 Location: Jeddah

Date: 02 Nov 2023

SUPPLIER/VENDOR APPROVAL

Discipline: Mechanical Electrical Medical Equip Others

Approval Status: APPROVED AS NOTED

Date: 06-11-2023

SMASCO

PROJECT: SMASCO TOWER RIYADH - KSA

DOCUMENT SUBMITTAL FORM (DS)

Subject: Technical Submittal AIR CONDITIONING BALANCING COMPANY PROFILE

Specs. Code & Ref.: B.O.Q. Code Ref. Drawing No. Mech. HVAC

Submittal No.: DS-ME-048

1st Submittal Date: 14/11/2022

Contractor Signature: [Signature] Date: 14/11/2022

Contractor's Comments: [REDACTED]

Client's Comments: Refer an attached comments sheet

Approval Status: APPROVED AS NOTED

Date: 08 NOV 2023



COMPLETION CERTIFICATES



LOCAL GOVERNMENT CERTIFICATES



وزارة التجارة
Ministry of Commerce

شهادة تسجيل فرع شركة
Branch Of Company Registration Certificate

الرقم الموحد: ٧٠٠٧٢٢٣٧١٨
رقم المنشأة: ٤٠٣١٠٦١٢١١
التاريخ: ١٤٢٢/٠٢/٠٧ هـ

الاسم التجاري للشركة: شركة الدرع الوافي للحراسات الأمنية شركة شخص واحد
نوعها: ذات مسؤولية محدودة
رأس مالها: ٥٥٠,٠٠٠ ريال سعودي

مركزها الرئيسي: 3039 مكة المكرمة 24226-7938
هاتف: ٠١٢٥٦٠٧٠٥٧
الرمز البريدي: ٢٤٢٢٦
ص. ب.: ٠٧٠٥٧

رقم سجل المركز الرئيسي: ٤٠٣١٠٥١٩٦٥
تاريخه: ١٤٢٨/١١/٣٠ هـ
مصدره: مكة المكرمة

الاسم التجاري: شركة خدمات وزن التكييف المحدودة
العنوان: ٣٠٣٩، السلامة، الفيحاء، ٧٩٣٨
هاتف: ٠٥٥٥٦٦٤٤٩
الرمز البريدي: ٢٤٢٢٦
ص. ب.: ٠٣٠٣٩

النشاط: للتلاعب على بيلت الأنشطة الرجاء مسح الرمز التجاري
طبيعة الشركة: سعودية

اسم المدير (رباعيا): عبدالله واصل عبدالله الرادعي
الجنسية: سعودي
تاريخ الميلاد: ١٣٨٧ هـ
مكان الميلاد: العربية السعودية

رقم السجل المدني: ١٠١٠١٠٦٣٢٢
تاريخه: مصدره: أحوال العاصمة المقدس

سلطات المدير: حسب ما نص عليه عقد الشركة
تاريخه: مصدره:

يشهد مكتب السجل التجاري بمدينة: مكة المكرمة
بأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة: مكة المكرمة
وتنتهي صلاحية الشهادات هي: ١٤٢٨/٠٢/٠٦ هـ بموجب الإيصال رقم ٣٠١٧٨٠٢٨
وتاريخ: ١٤٢٥/١٠/٢١ هـ

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المملكة العربية السعودية
Kingdom of Saudi Arabia

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

شهادة
Certificate

The Zakat, Tax and Customs Authority certifies that the Taxpayer Authority certifies that the Taxpayer

شركة خدمات وزن التكييف المحدودة شركة شخص واحد

رقم المودع للمنشأة / رقم هوية: ١٠٠١٠٦٣٢٢

سجل تجاري / بيلت / بيلت رقم: ٤٠٣١٠٥١٩٦٥

تم تقديم إقراره عن الفترة الممتدة من ١٤٢١/٠٧/٠٧ هـ إلى ١٤٢٢/٠٦/٠٧ هـ، وقد تم منح الشهادة لإتمام جميع معاملاته بما في ذلك صرف مسجلاته الشهرية من المودع. يرجى الحصول على الشهادة حتى تاريخ ١٤٢١/٠٦/٠٧ الموافق ٢٠٢١/٠٦/٠٧ هـ.

(The Twenty first of Shawwal one thousand four hundred forty four Hijri) (١٤٢١/٠٦/٠٧ هـ)

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المملكة العربية السعودية
Kingdom of Saudi Arabia

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

شهادة تسجيل في ضريبة القيمة المضافة
VAT Registration Certificate

شهادة تسجيل في ضريبة القيمة المضافة
The Zakat, Tax and Customs Authority certifies that the Taxpayer below is VAT registered on 25/02/2022 AD

اسم المصنف: شركة الدرع الوافي للحراسات الأمنية شركة شخص واحد
رقم التسجيل الضريبي: 212998932990003
تاريخ قيد التسجيل: 2024/01/01
نوع المصنف: مكة المكرمة حي السلامة الفيحاء التجاري 24226
رقم المودع التجاري: 4031061211
الهوية / المودع / الهوية: ١٠٠١٠٦٣٢٢
رقم الهاتف: 0555666444
تاريخ استحقاق أول إيصال ضريبي: 2024/04/20

ملاحظة: يجب على مسجلين في ضريبة القيمة المضافة، إبلاغ رقم تسجيلهم لتحميل ضريبة القيمة المضافة من معاملهم قبل تاريخ نظر التسجيل في الضريبة، وفي حال الترخيص قبل ذلك ستقوم هيئة الزكاة والضريبة والجمارك بتعليق الخدمات المسجلة.

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Kingdom of Saudi Arabia

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

قائمة فروع المكلّف
List of Taxpayer Branches

العنوان City	اسم الفرع Branch Name	رقم سجل تجاري / بيلت / بيلت C.R./ License / Contract Number
الرياض Riyadh	شركة الدرع الوافي للحراسات الأمنية	353799326
الرياض Riyadh	شركة الدرع الوافي للحراسات الأمنية	4031061211
جدة Jeddah	شركة الدرع الوافي للحراسات الأمنية شركة	4030297128
الرياض Riyadh	شركة الدرع الوافي للحراسات الأمنية	360815621
الرياض Riyadh	شركة الدرع الوافي للحراسات الأمنية شركة شخص واحد	3809920793
مكة المكرمة Makkah	شركة خدمات وزن التكييف المحدودة	402961271

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وزارة التجارة
Ministry of Commerce

شركة خدمات وزن التكييف المحدودة

رقم السجل التجاري: 4031061211

رمزك التجاري QR Code
من خلاله يمكنك التحقق المباشر من المعلومات:

- السجل التجاري
- شهادة السعودة
- شهادة الزكاة
- رخصة البلدية
- برنامج نطاقات
- الغرفة التجارية

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ABSICO **NADCA** **NEBB**

شهادة انتساب

شركة خدمات وزن التكييف المحدودة

الرجوع إلى: ٢٠٢٢/٠٩/٠٤
تاريخ الإصدار: ٢٠٢٢/٠٩/٠٤
السجل التجاري رقم: 4031061211
ص. ب.: 7938

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شهادة

إسم المنشأة: شركة خدمات وزن التكييف المحدودة
مكة المكرمة
رقم التسجيل الضريبي: ٢١٢٩٧٠٩٩٧
رقم السجل التجاري: ٤٠٣١٠٦١٢١١

عدد المشتركين السعوديين: ١٠
عدد المشتركين غير السعوديين: ١٦
المجموع: ٢٦

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ننهادت

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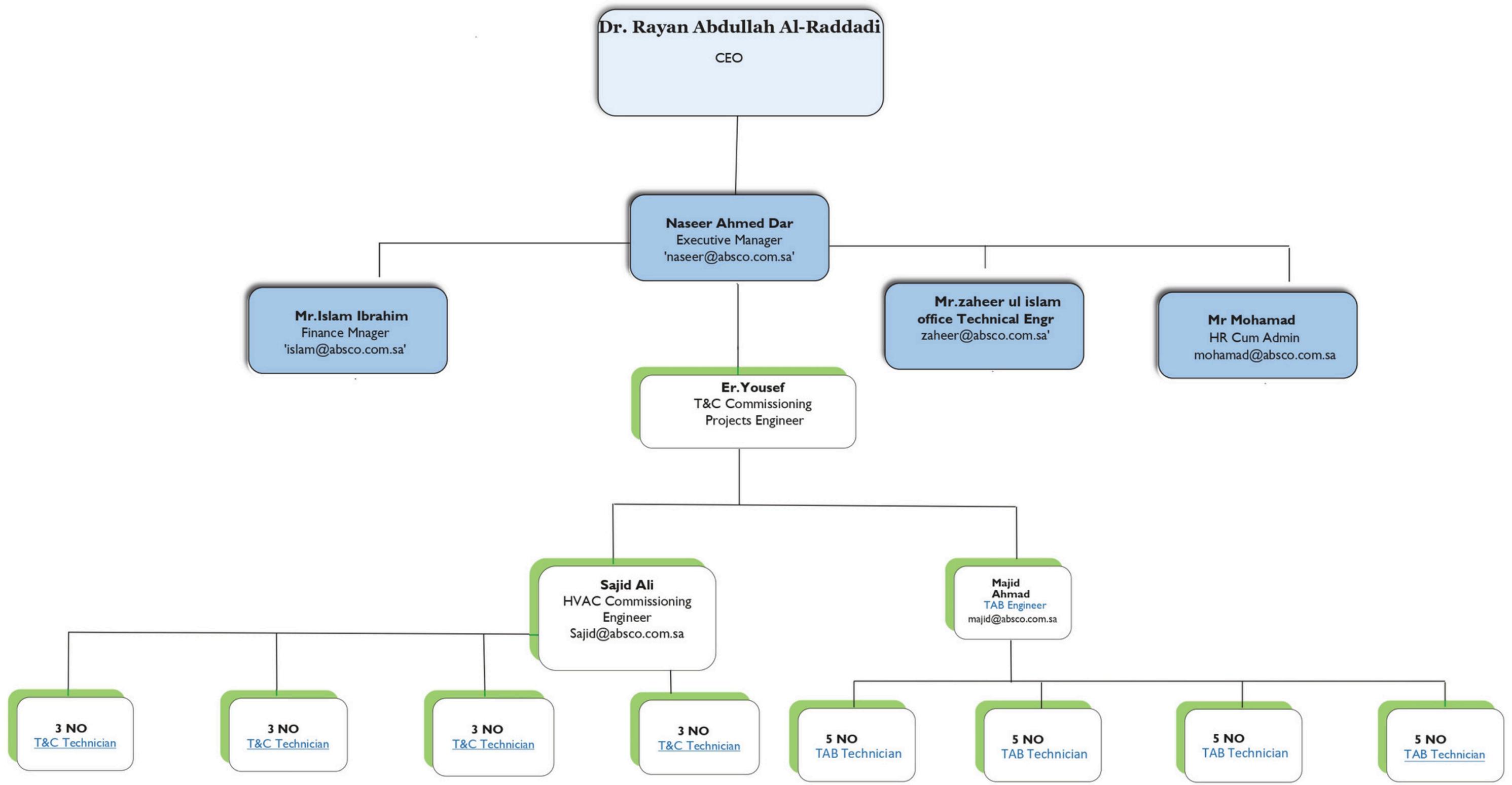
ABSICO **NADCA** **NEBB**

شهادة

شركة خدمات وزن التكييف المحدودة

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ABSCO SITE SPECIFIED OVERALL T&C-TAB ORGANIZATION CHART



clients

مجموعة بن لادن السعودية
SAUDI BINLADIN GROUP





شركة الخليج العربي
للمصانة والمقاولات



صرح التقنية للمقاولات
SARH ATTAQANIA CO.



شركة خدمات الكهرباء وشبكات التكييف والحدودة
ELECTRO MECHANICAL & AIR CONDITIONING SERVICE CO.



د. سليمان الحبيب
DR. SULAIMAN AL HABIB
الهندسة والتشييد (Civil & Mechanical)

KLING
CONSULT



نيوم NEOM

almajal alarabi
الهجال العربي

منزوال

minwai



Electromechanical

MAG
ALMAJAL ALARABI
GROUP



سعود كونسلت



الكفاح للمقاولات
ALKIFAH CONTRACTING



موانئ
MAWANI

الهيئة العامة للموانئ
SAUDI PORTS AUTHORITY



طوارف



THANK YOU

*We look forward to working
with you*

OFFICE

- Office No 05, Al Sahafa District



Riyadh 13321 - KSA

- Our Branch : 3035 Alsalama - Al-Fayhaa
7938 - Mecca - KSA



+966 55 026 3277



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