



Enviromental Solutions Department

www.saudisana.com



ABOUT OUR COMPANY

SANA, with a rich history spanning over 12 years, is a trusted leader in promoting sustainability and operational excellence.

We offer a comprehensive suite of eco-friendly services, including Energy Auditing, Duct Cleaning, Ecology Unit technique, and Building Management System (BMS) integration solutions, all tailored to enhance energy efficiency & ensure high indoor air quality comfort (IAQ) as we are **US. Green Building Council (USGBC)** official member.

Our **NADCA & NEBB** certified experts are dedicated to maximizing energy efficiency and sustainability in your facility, while our **ISO 9001: 2015** certification ensures the highest standards of quality and excellence. SANA is your committed partner in achieving your operational and sustainability goals.



USGBC
MEMBER

VISION

As part of our commitment to **Saudi Vision 2030**, we align our efforts with the nation's goals for a more diverse and sustainable economy.



OUR COMMITMENT TO A GREENER TOMORROW

At **SANA**, as **USGBC** member we take our commitment to a cleaner, more sustainable future seriously. We're dedicated to reducing energy consumption and promoting a cleaner environment.



SERVICES



• ENERGY AUDITING

- ✓ Comprehensive energy assessments
- ✓ Identification of energy-saving opportunities
- ✓ Implementation strategies for efficiency improvements

• CONSULTATION AND RECOMMENDATIONS

- ✓ Personalized consultation with our experts
- ✓ Detailed recommendations for energy and HVAC improvements
- ✓ Guidance on cost-effective upgrades

• DUCT CLEANING & MOLD REMEDIATION

- ✓ Indoor Air Quality Inspection (Air Monitoring)
- ✓ Robotics Inspection
- ✓ Kitchen exhaust cleaning & HVAC Cleaning
- ✓ Antimicrobial Chemicals Application (EPA registered)

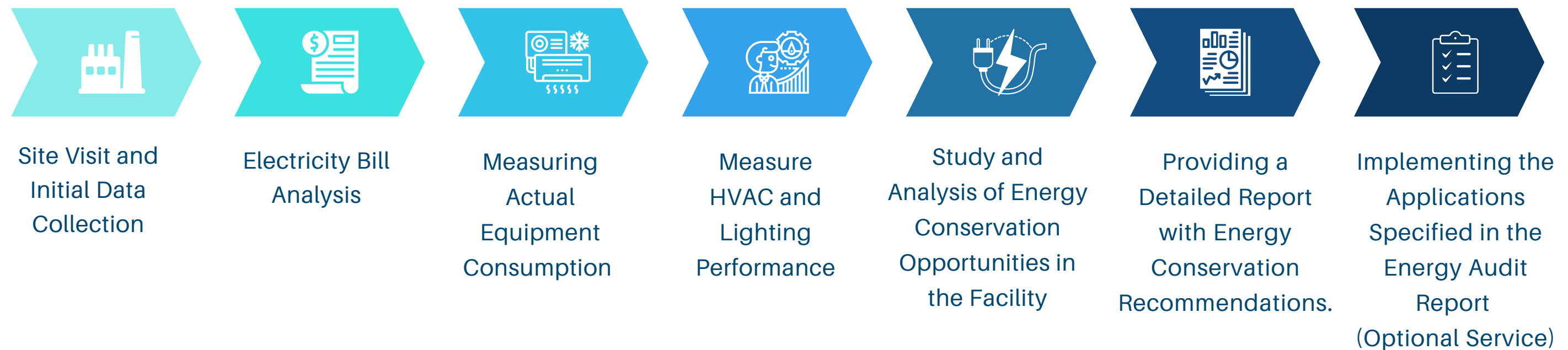
• ECOLOGY UNIT

- ✓ Air Purification Technique (Grease, contaminants)
- ✓ Environmentally friendly units
- ✓ Reduces the risk of the spread of fire

• COMMISSIONING OF LEED PROJECTS

1. ENERGY AUDIT

Energy audit is the process of examining the electrical and mechanical components in a facility to identify any energy wastage, and then proposing engineering solutions to reduce energy consumption.



1. ENERGY AUDIT

OUR COMMITMENT TO REDUCE YOUR ELECTRIC BILLS

SANA is dedicated to cutting your electric costs. Our tailored, energy-efficient solutions save you money while promoting sustainability. Let's work together for a greener, cost-effective future, with savings that can range from **8%** to **25%** on your electric expenses.



1. ENERGY AUDIT

OUR PROJECT ACCOMPLISHMENTS

At **SANA**, we are proud to share some of our recent accomplishments in the field of energy efficiency and facility optimization. We have successfully executed the following projects:

Umm Al Qura Makkah_EPC_ECM (April-2023)

- **Scope of Work:** Supply, installation, testing, and commissioning of chiller water pumps.
- **Objective:** Enhancing energy efficiency and performance in Umm Al Qura Makkah.
- **Partner:** **ENOVA**, a leading provider of integrated energy and multi-technical services.



1. ENERGY AUDIT

OUR PROJECT ACCOMPLISHMENTS

Royal Saudi Land Forces Riyadh_EPC_ECM (May-2023)

- **Scope of Work:** Supply, installation, and testing & commissioning for pumps.
- **Objective:** Improving operational excellence in the Royal Saudi Land Forces facilities.
- **Partner: ENOVA**, renowned for performance-based Energy & Facilities management solutions.

These projects reflect our steadfast dedication to sustainable solutions, operational excellence, and environmental responsibility. SANA, in collaboration with ENOVA, remains committed to helping clients achieve their financial, operational, and environmental goals for a greener and more efficient future.



1 . ENERGY AUDIT

OUR PROJECT ACCOMPLISHMENTS

Top Up Aziziah - Riyadh (Jun-2023)

At **SANA**, we are excited to present our latest project accomplishment.

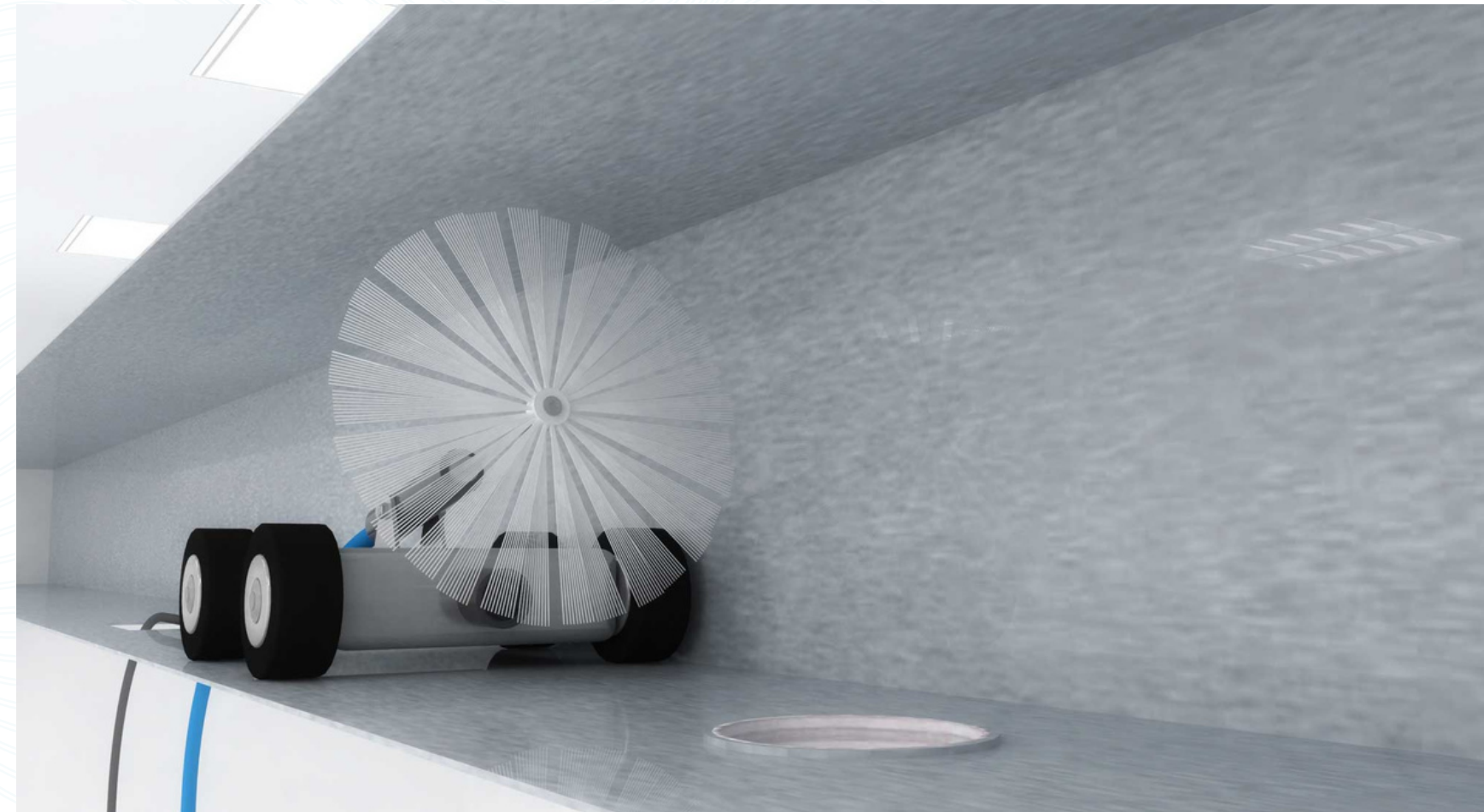
- **Scope of Work:** Energy meter audit for a commercial mall project to identify the reasons leading to an increase in consumption rates compared to other branches with the same area and the same occupancy rate, and to work on addressing these reasons.
- **Objective:** To investigate and address the causes of higher energy consumption compared to branches of similar size and occupancy.

This project underscores our unwavering commitment to energy efficiency and sustainable practices. SANA is dedicated to helping our clients optimize their energy usage, promoting a more environmentally responsible and cost-effective future.

2. DUCT CLEANING





With the help of our NADCA certified personal and our state of art robots, we are able to deliver a unique duct and equipment cleaning experience with outstanding unmatched outcomes and results.

Regardless of your duct debris level (greasy, dusty, etc...) we will be able to restore it to its best condition thus ensuring better IAQ , unit performance and energy consumption.



EQUIPMENT INTERNATIONAL STANDARDS

"SANA" gives you excellent HVAC duct cleaning administrations agreeing to NADCA and IAQ guidelines. Our equipment hold a number of memberships of the international and Finnish authorities in air purification for negative pressure containment area and cleaning methodologies as well:

Equipment Name	Equipment Usage	Standards	
Special Cleaner 25 Multi Brushing Machine	To apply agitation and mechanical brush to clean the internal duct System.	It holds a number of memberships of the international and Finnish authorities in air purification: <u>American Standard</u> NADCA – ACR 2006 Standards <u>British standard</u>	
Hepa Clean 4000negative pressure unit (NPU)	To collect dust & debris from the duct System.	1-European Ventilation Hygiene Association (EVHA) 2-HVCA Guide to Good Practice TR19: 'Cleanliness of Ventilation Systems' British Standard EN 15780	
Duct Control Manual	When the ducts are quite small or impossible for the Duct Truck robot to inspect, the Duct Control Manual is recommended.	<u>Finnish standards</u> 1-Finnish Association of Indoor Air Quality. 2-Suomen Asbesti- ja Pölyseurausalan liitto, SAP ry.	
Duct Cleaner Robot	brushing robot for horizontal air ducts (300 - 900 mm / 12-35") and industrial pipelines, it can also be used separately as video inspection robot	3-JVT ja kuivausliikkeiden liitto 4-Teknisen kaupan liitto.	

2.DUCT CLEANING OUR PROJECTS



المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation



مستشفيات دلة
Dallah Hospitals



SAMPLE PHOTOS:



Before



After



Before



After

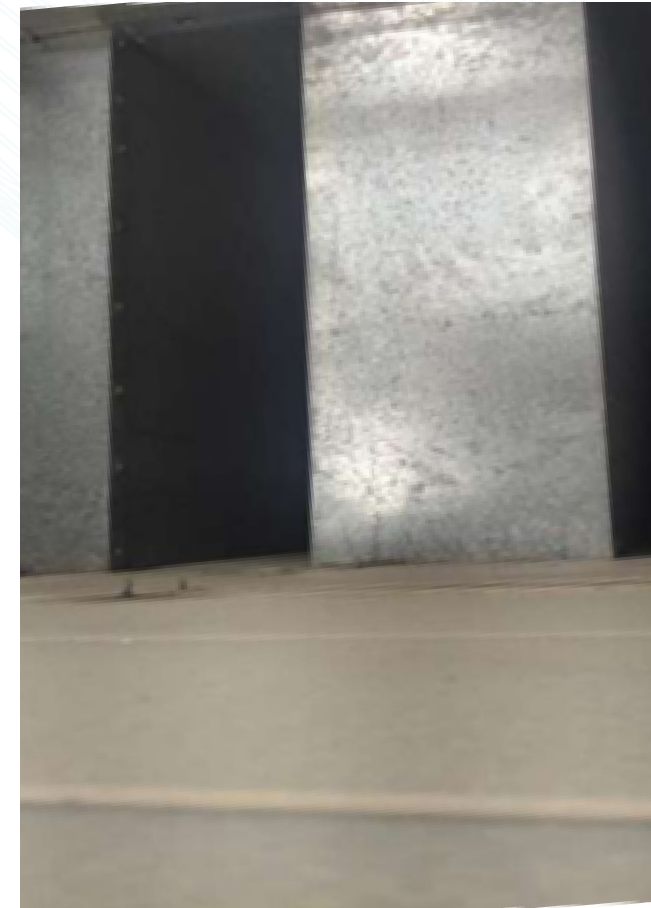
SAMPLE PHOTOS:



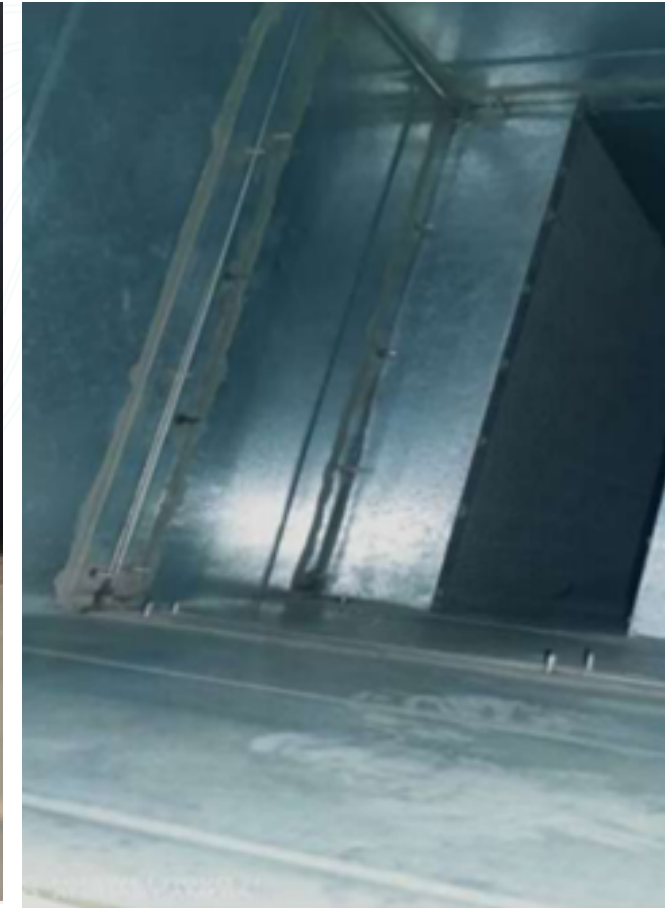
Before



After



Before



After

SAMPLE PHOTOS:



Before



After

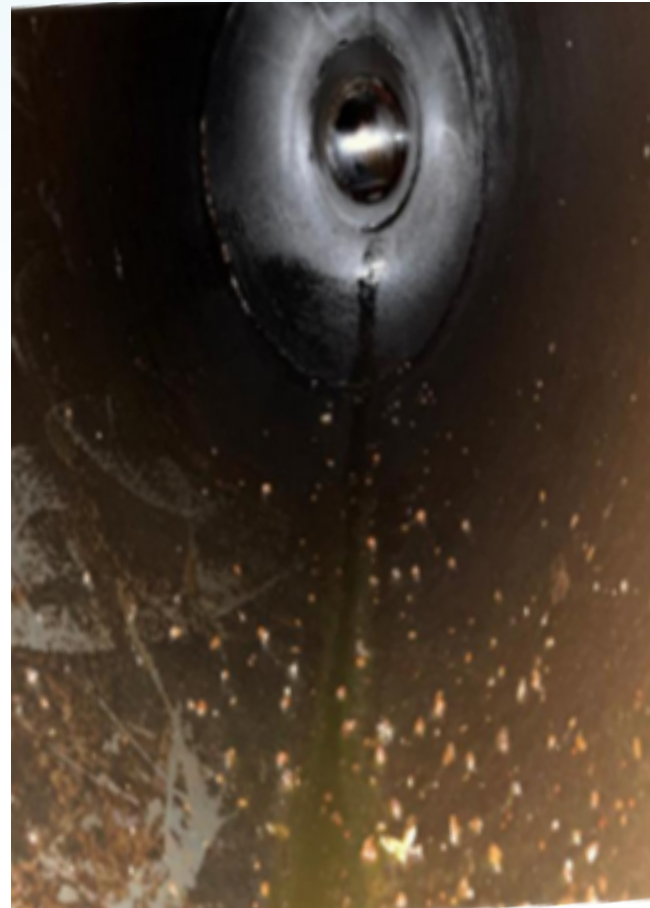


Before



After

SAMPLE PHOTOS:



Before



After



Before



After

SAMPLE PHOTOS:



Before



After



Before



After

SAMPLE PHOTOS:



Before



After



Before



After

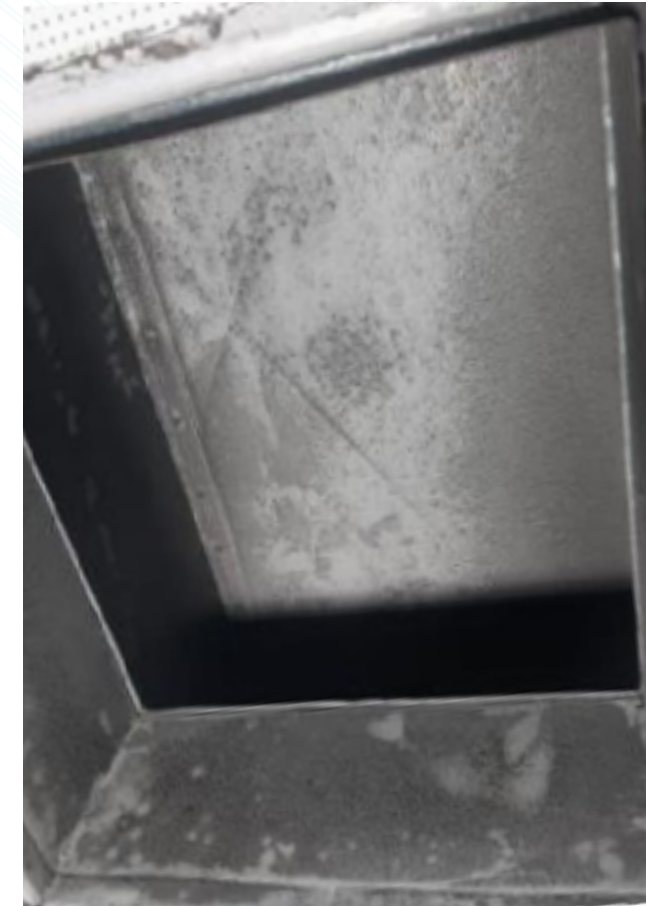
SAMPLE PHOTOS:



Before



After



Before



After

SAMPLE PHOTOS:



Before



After



Before



After

INDOOR AIR QUALITY INSPECTION- AIR MONITORING

Breathe Clean Air with SANA Duct Cleaning

Through comprehensive testing, we identify potential sources of air pollution, such as volatile organic compounds (VOCs), mold, allergens, and other contaminants.

With our precise monitoring methods we provide accurate data to help our clients make informed decisions regarding their indoor air quality management.



KITCHEN EXHAUST CLEANING

The process of eliminating oil that has penetrated inside the channels, hoods, fans and vents of exhaust frameworks of business kitchens.

"SANA" gives you an excellent kitchen exhaust channel cleaning administrations in understanding to KSA district requirements and NFPA-96 norms with specialized experts.



KITCHEN VENTILATION PRODUCTS:

3. ECOLOGY UNIT

Our Ecology Unit series of kitchen exhaust products keep your air compliant with EPA, state, and local quality regulations so your kitchen exhaust, emissions will be safe for everyone in commercial kitchens, hotels, malls' exhaust air stream.

It is a cleaning system built to handle the following:

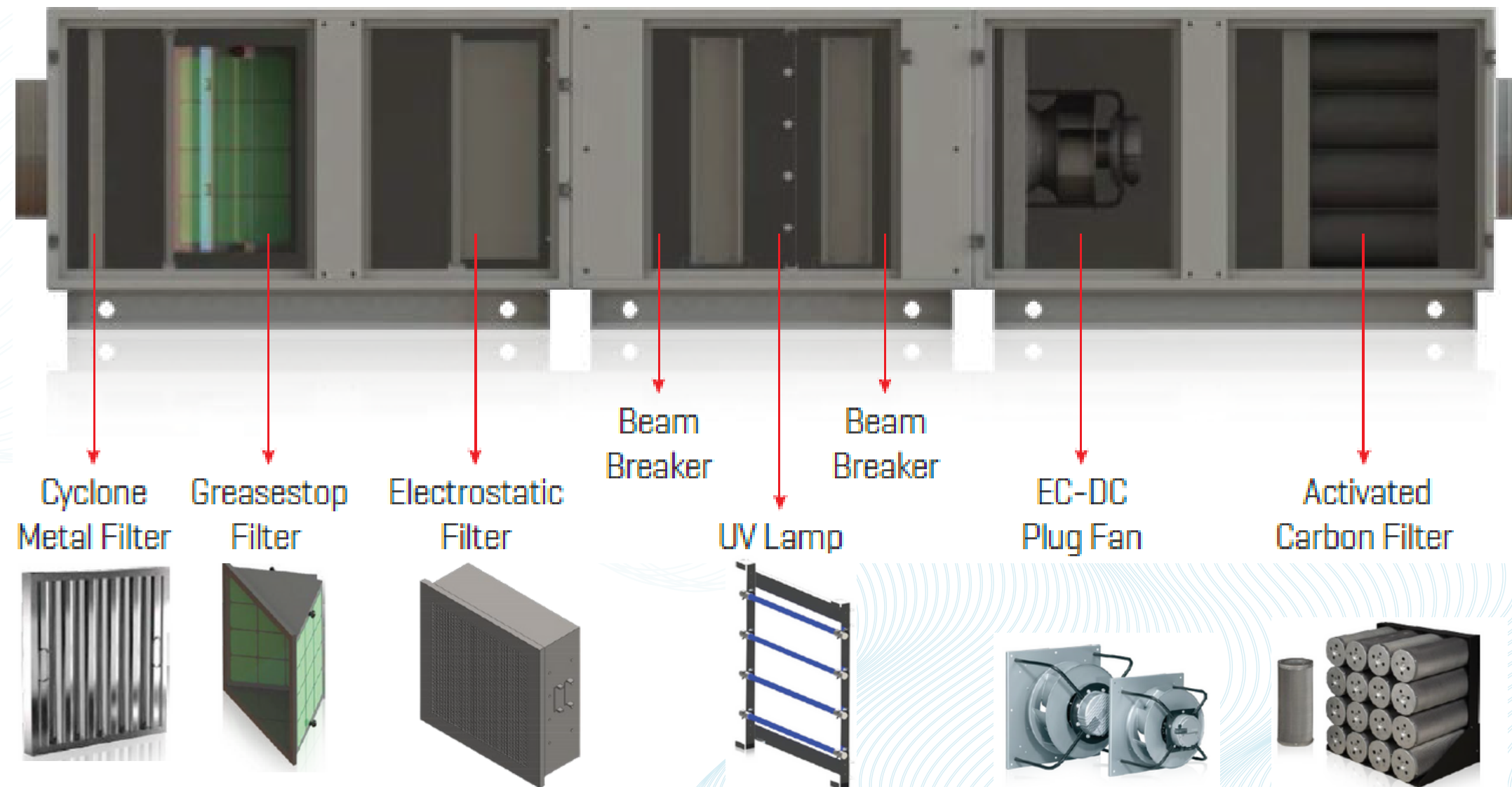
- Air full of mist & Odor
- smoke from machining operations
- Grease from cooking
- Smoke from welding
- Mist &Fumes



KITCHEN VENTILATION PRODUCTS:

3. ECOLOGY UNIT

- Environmentally friendly units
- Agency-listed Allow for street-level exhaust.
- Prevent flue gas evolution to the atmosphere.
- Reduces the risk of the spread of fire by preventing the grease.
- Provide relief from exhausted cooking odors.
- Durable cell design for long-term performance and reliability



CORE EXPERTISE

- **HVAC System Optimization:**

Our Testing, Adjusting, and Air Balancing (TAB) management ensures the peak performance of heating, ventilation, and air conditioning systems.

- **Eco-Friendly Services:**

We design environmental solutions such as Ecology Unit to meet the unique needs of your facility, providing a cost-effective roadmap to improve efficiency.

- **Lighting Control Solutions:**

We enhance your facility's lighting efficiency, making sure you use energy only where it's needed.

- **Duct Cleaning Excellence:**

Certified by NADCA, our duct cleaning services maintain a clean and healthy environment.

WHY CHOOSE A NADCA MEMBER COMPANY?

NADCA Members Follow a Higher Standard,
use the right methods and the best equipment.

A company must meet strict requirements in order to be a member of NADCA:

1-To have at least one NADCA certified Air Systems Cleaning Specialist (ASCS) on staff.

2-maintain general liability insurance
agree to clean according to ACR, the NADCA Standard and
comply with NADCA's Code of Ethics.



*The HVAC Inspection, Cleaning
and Restoration Association*

WHY CHOOSE USGBC MEMBER COMPANY?

Official MEMBERS in the U.S Green Building Council (USGBC)- SILVER LEVEL- should achieve a number of requirements to join this global green community.

Our company represents the international standards by applying environmental projects meets LEED standards and requirements.



WHY CHOOSE SANA ENGINEERING ?

- **NEBB Certified Professionals:** Our team comprises experts, including NEBB certified TAB specialists, guaranteeing high-quality services meeting the industry's highest standards.
- **NADCA & ISO Certified Professionals.**
- **Our Engineers Hold CEM Certified Energy Managers.**
- **U.S Green Building Council (USGBC) Membership**
- **Customized Solutions:** We take your facility's unique needs into account, crafting tailored, cost-effective solutions.
- **Energy Savings:** Our energy audits pinpoint areas for savings, contributing to a more sustainable future



CERTIFICATES

Membership Certificate



SILVER

SANA AL-HANDASAH FOR ENERGY

USGBC MEMBER SINCE NOV 29, 2023

Is an active member of the U.S. Green Building Council, the foremost coalition of leaders working to transform the way buildings and communities are designed, built and operated. Our vision is that buildings and communities will regenerate and sustain the health and vitality of all life within a generation.

This membership was awarded on Nov 29, 2023.



PETER TEMPLETON

President & CEO

CERTIFICATES

Membership Certificate

This document certifies that
SANA AL-HANDASAH FOR ENERGY
Riyadh, SAB
Is a Regular Member in good standing for the year
07/01/2023 - 06/30/2024
Member Since: 05/03/2023



And has agreed to conduct its air duct cleaning business in accordance with the following mandatory Code of Ethics:

1. We will serve our customers with integrity and competence.
2. We will perform our work using source removal methods, in accordance with ACR, the NADCA Standard (current version).
3. We will be honest and forthright in our advertising and marketing.
4. We will provide our clients with accurate inspections and evaluations of the cleanliness and physical condition of their HVAC systems, using this information to determine the type of cleaning and maintenance services required, if any.
5. We will provide only necessary and desired services to our clients, and will not use furnace/air duct cleaning as a means of selling unnecessary or unwanted products or services.
6. We will provide services only after completing the necessary bonding and licensing procedures.
7. We will stay abreast of new developments in technology, tools of the trade, building codes, the Uniform Mechanical Code, and any other codes or information that directly affects our work.
8. We will require that all employees of our firm practice furnace/air duct cleaning in accordance with NADCA Guidelines and the NADCA Code of Ethics.
9. We will perform our services in accordance with the current published standards of the association.

The NADCA Ethics Committee shall hear and investigate charges of unethical or illegal conduct between concerned parties, and will make recommendations to the Board of Directors concerning the resolution of those charges.



Apd Hoffinger
NADCA President

Julie Strauss
NADCA Chief Executive Officer

NADCA • 1120 Route 73 • Suite 200 • Mt. Laurel, NJ 08054

CERTIFICATES

Membership Certificate



CERTIFICATES



CERTIFICATE

*This is to Certify that the
Quality Management System
of*

**SANA CREATIVE ENGINEERING SOLUTIONS
AND SERVICES**

Al-Falah District, Exit 07, Othman Bin Affan Road, Intersection
with Northern ring Road, P.O. Box 12474, 8595 Riyadh,
Kingdom of Saudi Arabia.

has been independently assessed and is compliant
with the requirements of

ISO 9001:2015

This Certificate is applicable to the following product or service ranges:
MEP Systems, Control Systems, HAVC Testing and Balancing,
Biomedical Engineering Systems and Trading of
Rosenberg Fans – Air Curtains

Certificate No.: SA91017A

Date of initial registration	21 December 2020
Date of this Certificate	21 December 2020
Surveillance audit on or before	20 November 2021
Recertification Due/ Certificate expiry	20 November 2023

This Certificate remains valid subject to satisfactory surveillance audits.

Director

For verification and updated information concerning the present certificate visit to www.lmscert.com
This Certificate is the property of LMS Certification Limited and shall be returned immediately when demanded.

ACCREDITED
Management Systems
Certification Body
MSCB132

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Great Manchester, England-SK1 3DG
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Company No.: 11029176
Visit :- www.lmscert.com
E-mail :- info@lmscert.com

LMS/FM/001/Q/REV06

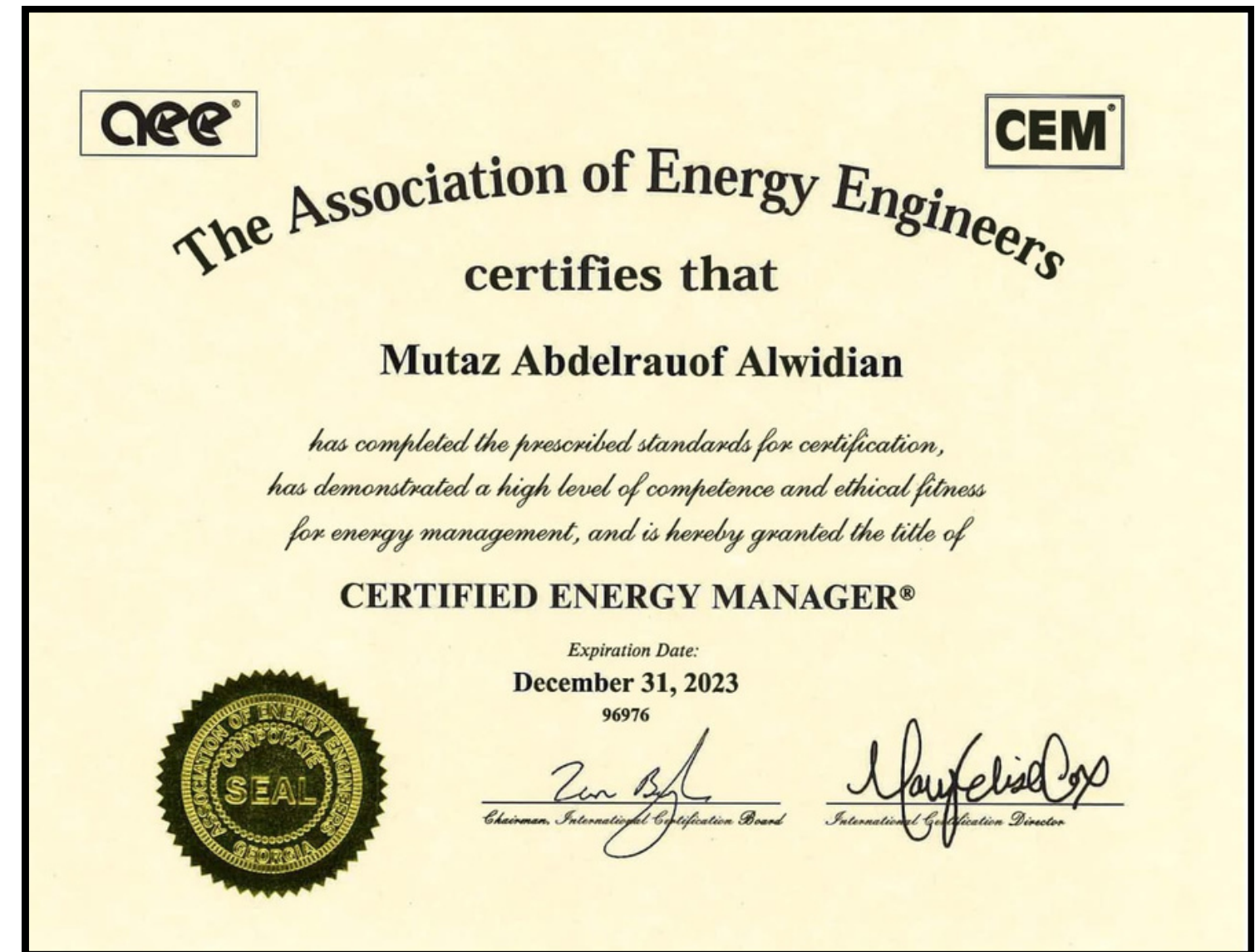
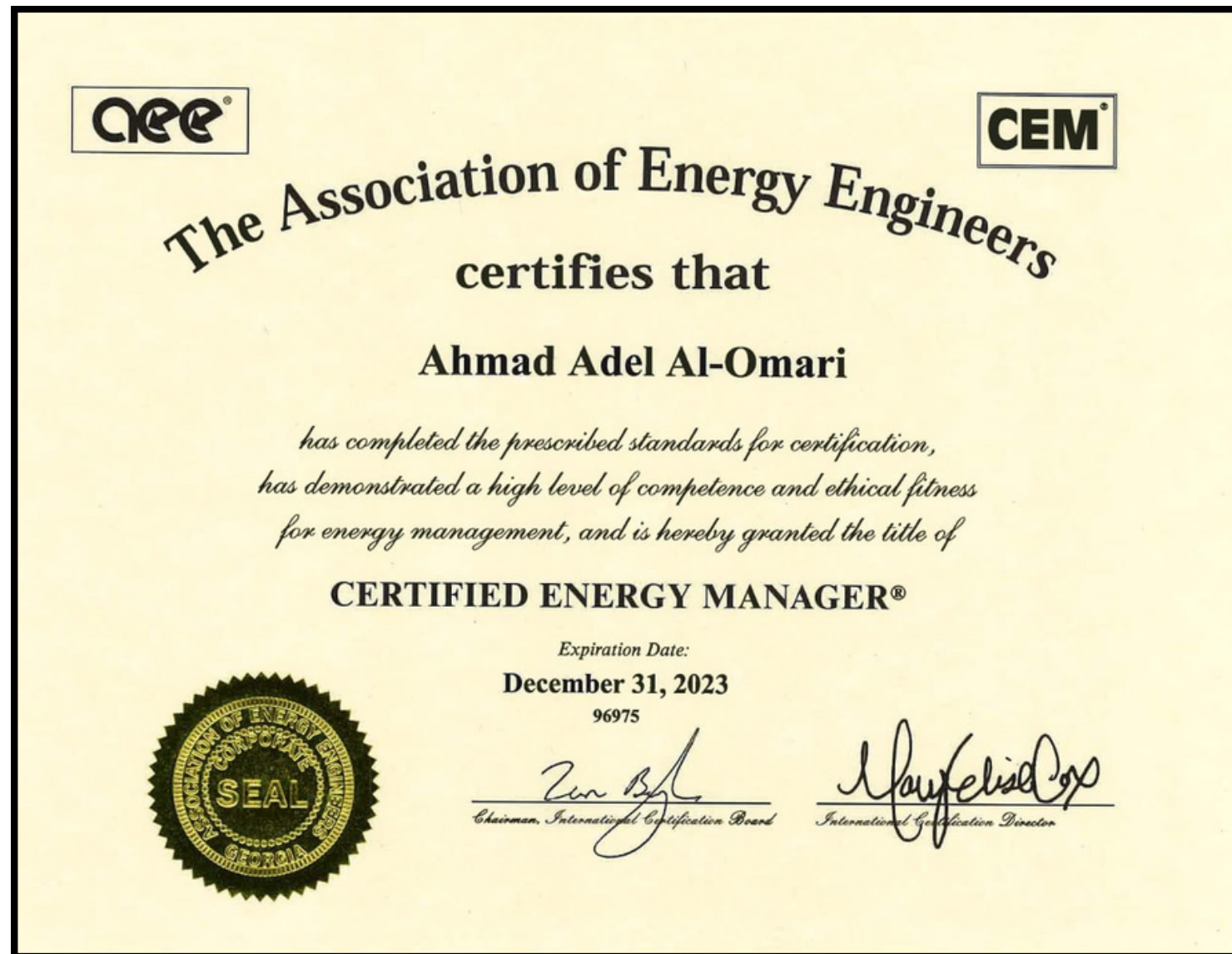
CERTIFICATES

From SANA Team Certificates



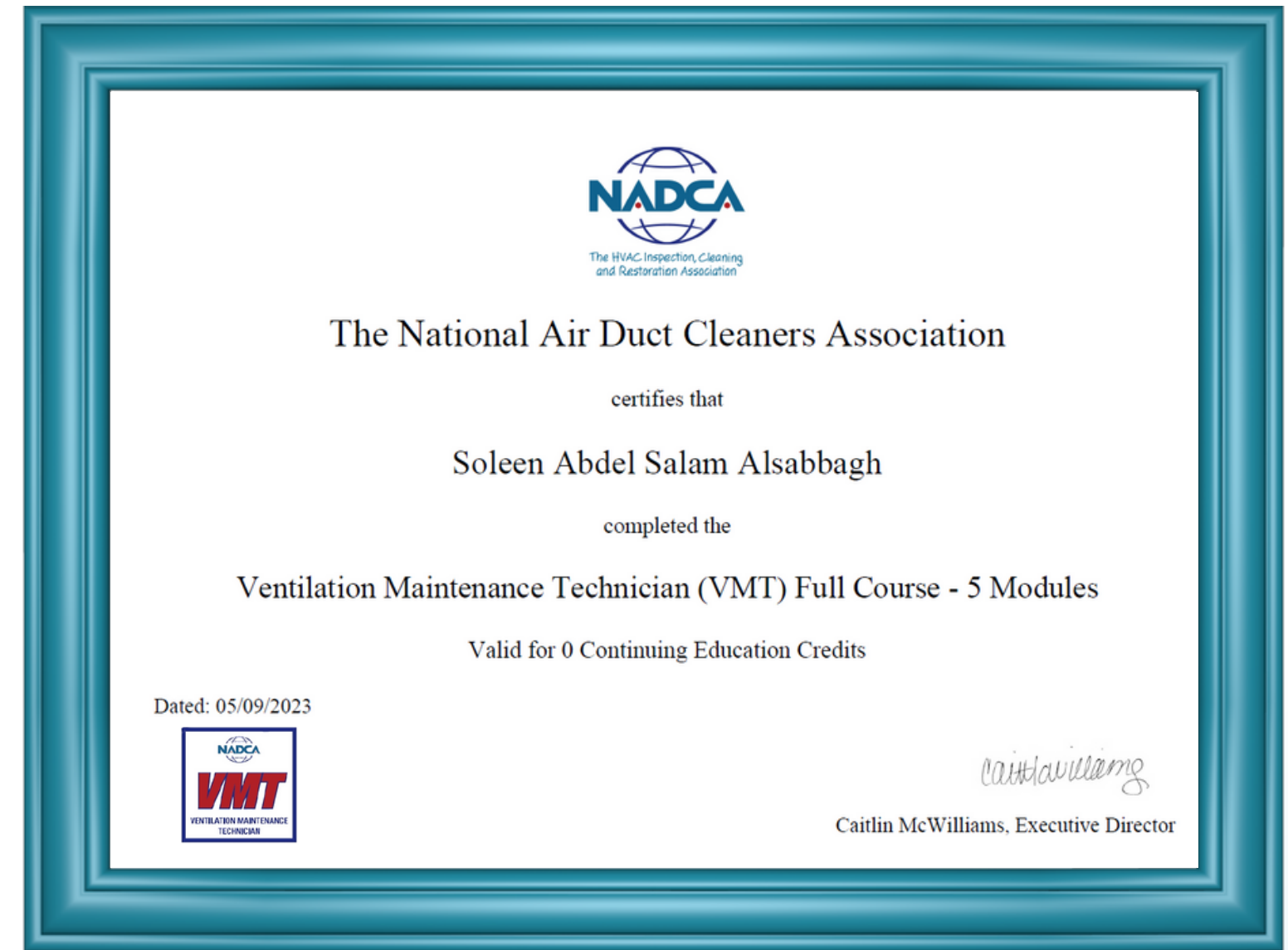
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From SANA Team Certificates



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CONTACT US



| Working Hours

Sunday -Thursday
8:00 AM - 5:30 PM
Saturday
9:00 AM - 2:00 PM



| Contact Us

- Email : energy@sanaengineering.us
- Mobile : +966 58 007 8364



| Our Location

- Riyadh , Kingdom of Saudi Arabia
Othman bin affan Rd, Al-Falah Dist
- Abha , Kingdom of Saudi Arabia
King Fahad Rd, Al-Mowazafen Dist
- Jeddah , Kingdom of Saudi Arabia
Al-Safa, 7957 Um Al Qura
- Amman , Hashemite Kingdom of Jordan
- Maryland, United States
481 N Frederick Ave, Gaithersburg,MD 20877