



EXPERT
Middle East

**THE POWER
OF EXPERIENCE**

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01

Introduction

- ❖ Expert Middle East is one of the top leaders in HVAC system instruments fabrication, established in 2015.
- ❖ Certified by **ISO** 9001-2015, ISO 45001-2018 & ISO 14001-2015.
- ❖ Expert Middle East Can be considered as an **integrated solution provider** for HVAC system .
- We strive to be the integrated service provider of HVAC system equipment in **Middle East** by supplying (AHUs ,FCUs , air outlets, air duct, air curtain..., etc).

02

Vision and Mission

Vision

Become the top HVAC equipment fabrication company in the Middle East through our continuous innovation delivered by our skilled professional Engineers.

Mission

Exceed our customer expectations, by providing high quality in every single material used, considering every customer as a priority and helping our market increasing return of building investment.

03

Our Value

- ❖ **Customer delight:** we do it perfect, fast and save cost.
- ❖ **Continuous improvement:** we always up to date on new trends, technologies & customer needs related to our industry.
- ❖ **Competitive price:** we focus on selling value not to only profit, so our prices always fair.
- ❖ **Integrity:** We expect to be always honest with ourselves first, then our employees and our customers.

04

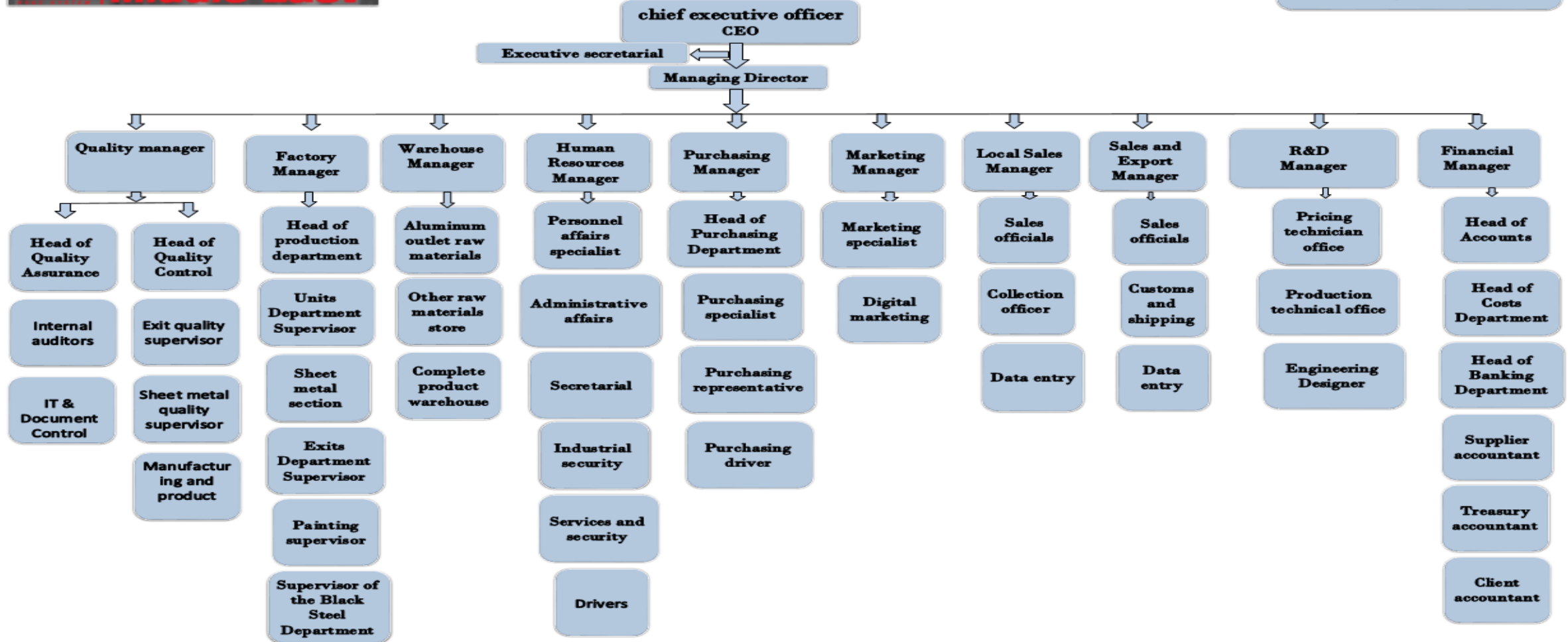
Company Profile :

1- Organization Chart



The administrative structure of Expert Middle East Company

Expert Middle East Human resources Department

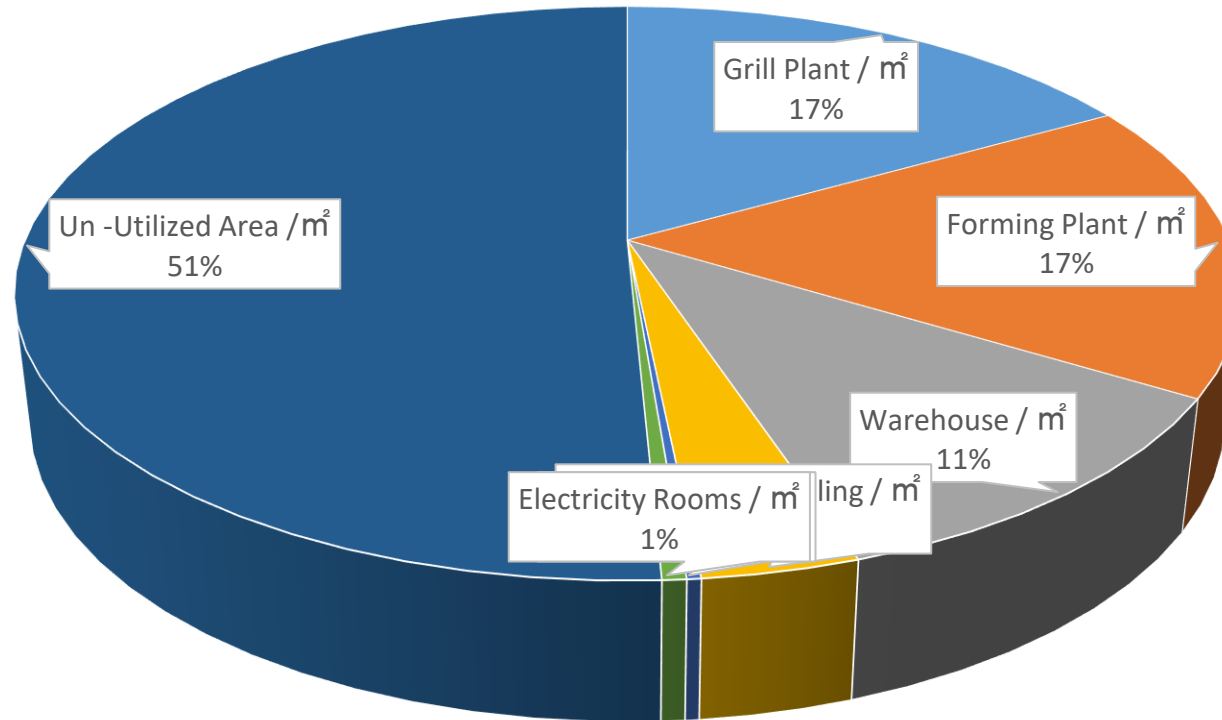


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Company Profile :

2- Company Area

Company Area



Area Description	Area / m ²
Grill Plant	1500
Forming Plant	1500
Warehouse	1000
Administration building	313.5
Security Rooms	28.125
Electricity Rooms	48
Un-Utilized Area	4389.625

- Grill Plant / m²
- Forming Plant / m²
- Warehouse / m²
- Administration building / m²
- Security Rooms / m²
- Electricity Rooms / m²
- Un-Utilized Area / m²

04

Company Profile :

3-1 Production line 1 : Grill Factory

➤ Total Area : 1500 m²

➤ Sections :

1- Cutting section .

2- Welding Section .

3- Assembly Section .

4- Electrostatic coating section .

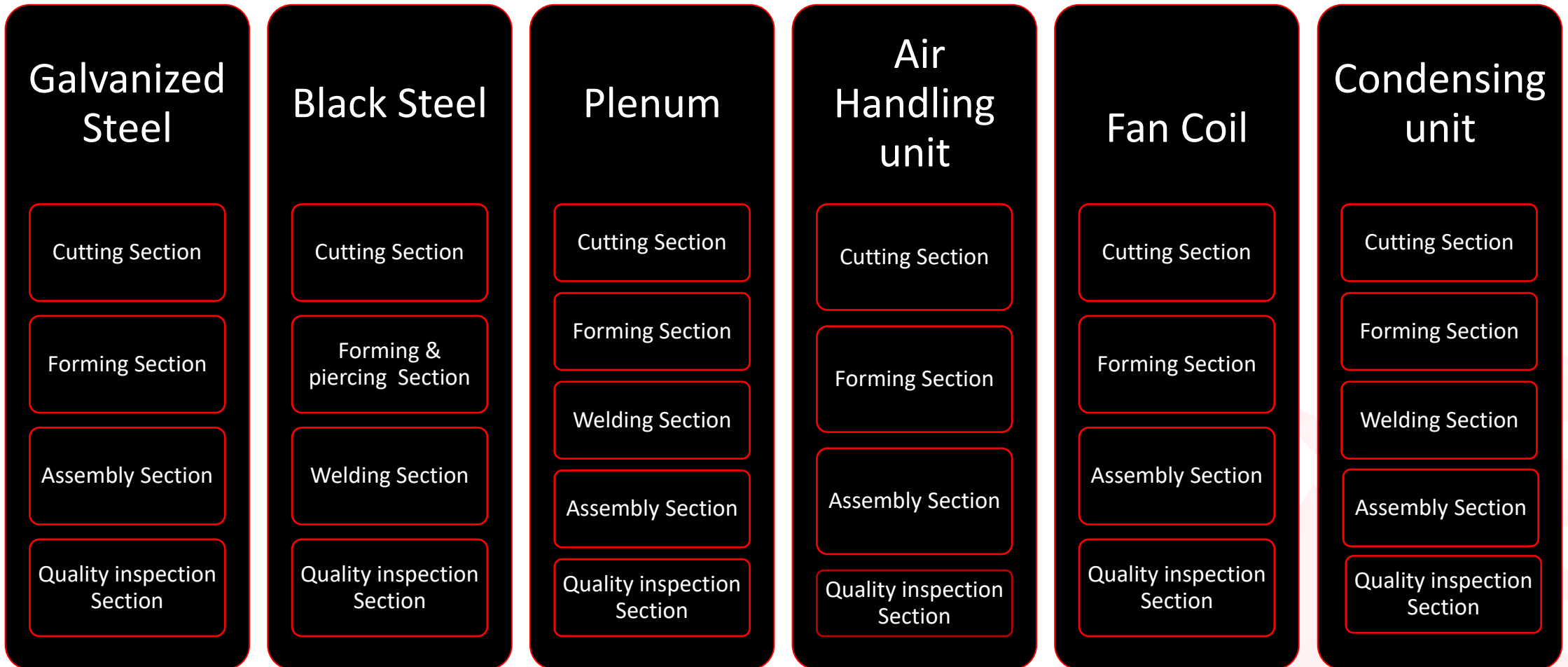
5- Quality inspection section .

6- packaging and labeling section .

Company Profile :

3-2 Sheet Metal Forming Factory 3 Production Line :

➤ Total Area : 1500 m²



04

Company Profile :

4- Machinery & Equipment

Name	Description	QTY
Plasma Cutting Machine	The <u>plasma cutter</u> cuts oddly shaped tubes and wind duct accessories such as elbow tubes. Plasma Cutters are also able to cut at an accelerated pace to ensure a smoother edge and save material. The cutter is computer programmed to cut precisely in any pattern.	3
Transverse Duct Connector Flange Forming Machine ماكينه الكادر	The transverse duct connector flange forming machine is used to make transverse <u>duct connections</u> . It consists of a material feeding station, TDC clip roll, and cutting compartment. The cutting section is fully automated, thus achieving automated production, the production speed is 3-5m/min. These are suitable for making ventilation duct with larger cross section area. If you have certain sealing requirement for your duct, we can add sealant into the manufacturing process.	4
Duct Brake	This machine is mainly used for making transverse duct flanges, it performs secondary bending flanges, enables a third bend on the sheet metal, it also can be used for other bending applications.	2
Power Slip Rolls Electrical-driven Bending Machine درافيل	The power slip roll <u>machine</u> turns flat material into cylindrical rolls. The unique 3 roller electric power slip rolls feature different diameters for different arc degrees. Slip rolls produce wind ducts with a smooth finished surface, making them suitable for use in ventilation systems in the textile industry. We have three power slip roll models for customers to choose from according to different material types.	3
Gore locker تكويج	Gore lockers <u>produce elbow parts</u> for round ducts and are able to seam and lock flanges to create said elbow parts.	1
Sheet Metal Shearing Machine مقص	Sheet metal shearing machine assist in the <u>sheet metal bending process</u> . Every structure is welded, simple, and easy to operate with a streamlined appearance. It features a wide applicability for metallurgy, light industrial applications, and machinery sheet metal processing. The blade is made of Cr9si material, and cuts material with a thickness of 2 to 4 mm.	1
Metal Bending Machines تنايه	Our metal bending machines are pneumatically controlled with a maximum workable <u>material bending thickness</u> of 1.5mm to 4 mm. The bending process is fast and easy and the machine is easy to operate and suitable for the production of <u>stainless-steel</u> kitchenware, air conditioning ducts, HVAC equipment compartments and ventilation industry accessories.	2

04

Company Profile :

4- Machinery & Equipment - Con

Name	Description	QTY
Duct Line, Duct Fabrication Lines ماكينة الفورمينج	The duct line III determines the duct perimeter, <u>performs precise corner cutting</u> , and folding, so that the end product is a flange <u>free rectangular duct</u> . This production line is completed with an additional lock former or TDC flange roll former, allowing the production line to occupy less space, operate with less manual labor, and have an increased productivity. The duct line III consists of electric powered material compartment, duct beaters, hydraulic cutters, hydraulic bending machines, hole punching, and square punching equipment.	2
Swaging machines كردونه (خرزہ تعصیب)	Swaging machines <u>forms duct on round duct for structural reinforcement</u> . This Swaging machines can form any beads according to your needs regarding position, pattern, etc.	1
CO2 Welding Machine	A CO2 Welding Machine uses a mixture of pure CO2 and argon as shielding gas. This mix provides improved arc stability, puddle control, and reduced spatter. It also allows for the use of a spray transfer process. This is useful when working on thin materials, such as sheet metal.	4
Spot Welder, Spot Welding machine	The spot-welding machine welds by producing a current between an anode and cathode, which is ideal for welding difficult areas. It features a high welding speed, but a slightly weaker sealing strength. It takes up very little space and is easy to operate.	4
Presses (Hy & EC)	Varity range for press machine from 10 tonnage to 50 tonnage	7
Electrostatic powered coating line	Electrostatic powder coating is the application of an electrically charged, powdered plastic resin to a surface, usually metal. Powder coating is typically applied through either a spray gun or a fluidized bed, depending on a project's details. Because powder coating is heat cured, it is normally done in the shop rather than on site.	1
Cold Galvanization line	Cold galvanizing compounds are a <u>very high-end solution that set the gold standard of corrosion protection for iron and steel</u> . If you want to protect a piece of steel from corrosion it's easy to use a cold galvanizing product because it's applied like a paint.	1

05

Our Clients & success partners

Pharmaceutical & Health Care



Construction & Contracting :



05

Our Clients & success partners -Con

Food Companies



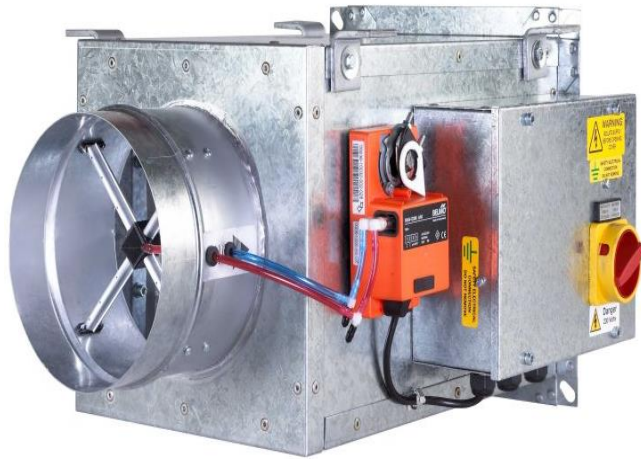
Others



06

***Products segmentation:
6-1 Some of Our Products (Small Units)***





06

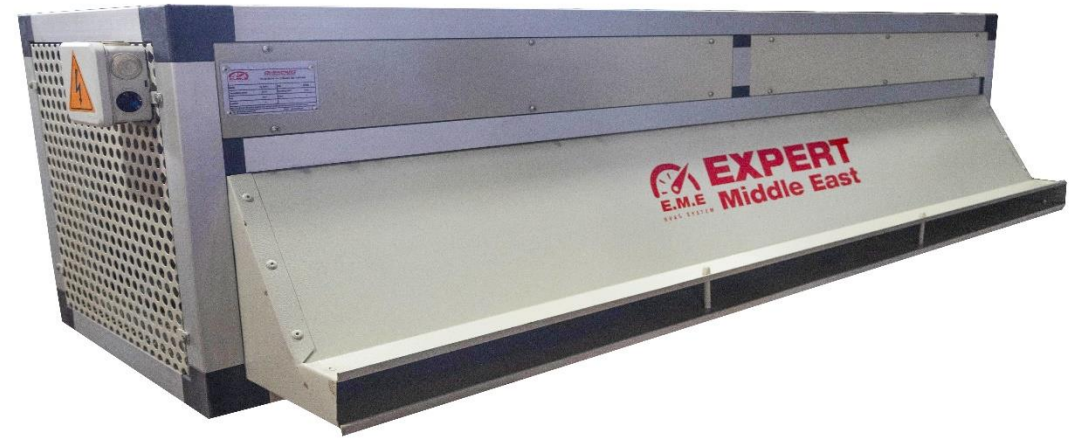
Products segmentation:

6-2 Some of Our Products (Massive Units)

1. Air Handling Unit
2. Fan Coil Unit
3. Package unit
4. Condensing unit
5. Industrial Air curtain
6. Decorative Air Curtain
7. Air outlets
8. Duct Works







EXPERT AHU WILL HANDLE
YOUR WEATHER



IMPACT
RESISTANT
LOUVER
Basic Protection Level D

CONTACT US TO KNOW MORE ABOUT
AIR HANDLING UNITS

Double Deck Air Handling Unit



Air Handling Unit

➤ **Air Flow:**

1300 – 120,000 CFM

➤ **Refrigerants:**

R-22 , R-407C , R-410A & Chilled Water



Condensing Unit

➤ Capacity :

5 TR : 50 TR , From EX-CU-5 to EX-CU-50.

➤ Refrigerants:

R-407C, R-410A, R-22.

➤ Protection Types:

- I. High Pressure & Low Pressure Protection
 - II. Overload Protection
- Applicable For Ambient Temperature Till 45 °C
 - Low Noise and Vibration.
 - Easy installation and Low Cost.



**SUPERIOR PERFORMANCE
WITH A WIDE RANGE**



IMPACT
RESISTANT
LOUVER
Basic Protection Level D

CONTACT US TO KNOW MORE ABOUT
FAN COIL UNIT

Fan Coil Unit



Fan Coil Unit

➤ **Air Flow:**

400 : 2000 CFM

➤ **Capacity:**

1 : 5 TR

➤ **Refrigerant:**

Water

➤ **Types:**

- I. 3-Rows
- II. 4-Rows

➤ **Coil Tube Material:**

- I. Copper
- II. Precoated Copper

➤ **Fins Material:**

- I. Aluminum
- II. Precoated Aluminum

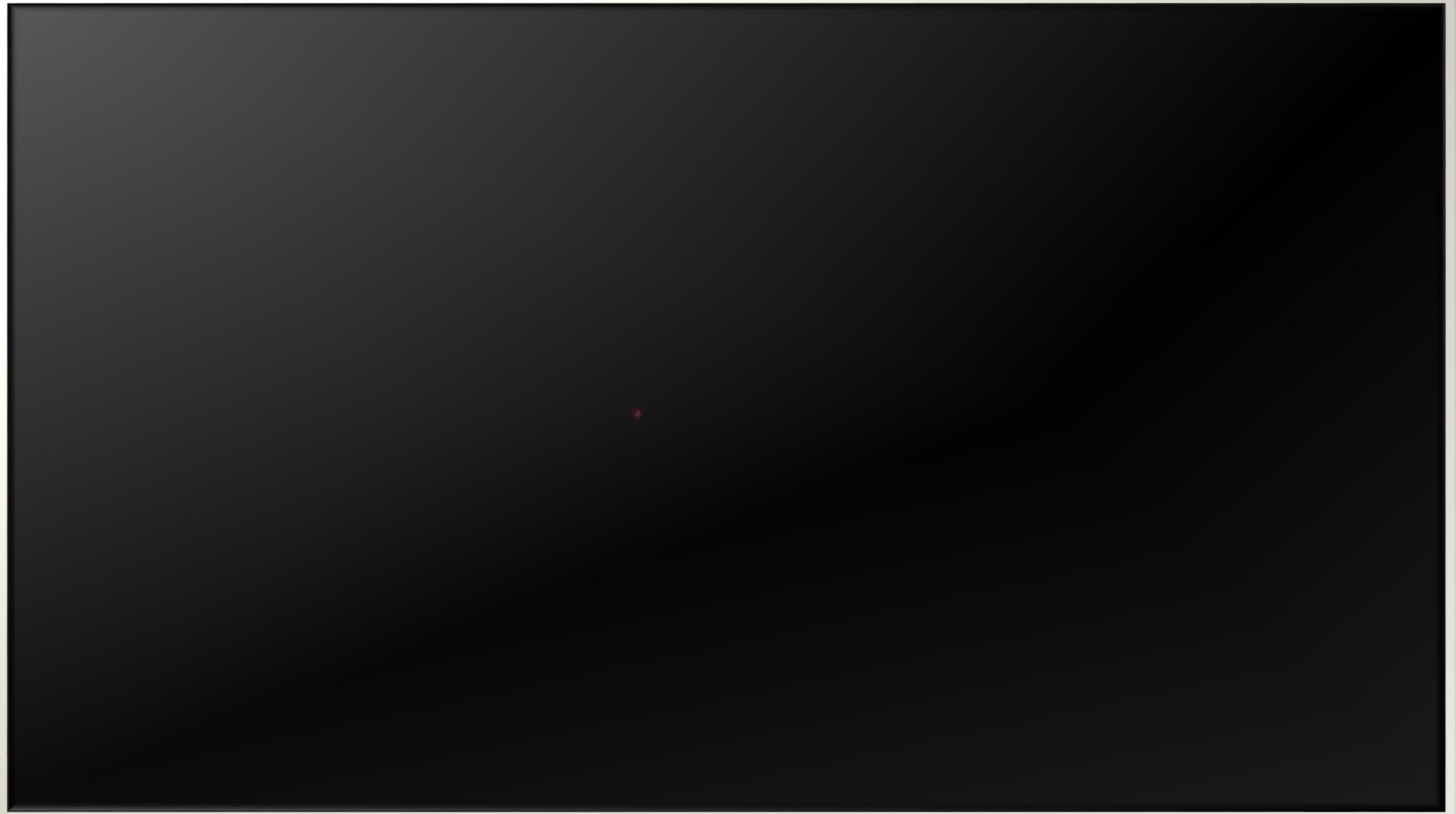
- Low Noise And Medium static.
- Electrostatic painting (the best solution for exposed applications).



Package unit

- We could supply both standard Package unit & split Package unit
- Our package unit could work from 5 ton up to 50 ton
- Our unit is designed for tropical weather.
- Additional Options :
 - Filters (Bag or Absolute Filter), (UV Lamp Section , Humidifier , Dehumidifier , ... etc.)





5 Ton Hygienic Stainless Steel Package unit

Industrial Air curtain & Decorative Air Curtain

- Wide range of capacities for door height 2 m to 7 m .
- Quick and easy installation and maintenance .
- Direct drive & internally protected fan motor with IP-55 insulation .
- Low noise forward curved fans .



Air Outlets

- Expert has a wide range of air outlets suitable for every application
- We provide all types of air outlets Grilles , **rectangular ceiling diffusers** , **round ceiling diffuser** , **jet diffusers** , **linear slot** with plenum and all other types of air outlets .
- Also we could provide **stainless steel grills** for medical and industrial proposes .



Duct Accessories

- Expert has a wide range of duct accessories such as rectangular volume damper ,round volume damper , motorized dampers & Smoke dampers .
- All models are available with gasket to prevent air leakage



Duct Works

1- Galvanized Duct

- Galvanized duct or G.I Duct mostly used in all Duct applications (Residential , Commercial , educational , etc.)
- G.I duct comes in thickness 0.7 , 0.8 , 1 , 1.25,1.5 mm in shape of rolls , then it's forming by using CNC and Forming machines .
- Duct thickness shall be applied using SMACNA Standard



Duct Works

2- Black Steel Duct

- Black steel duct or is mostly used in duct applications when duct is applied to High Temp. such as Car park applications , kitchen hood & smoke evacuation ducts .
- Black steel duct comes in thickness 1.25 , 1.5 , 2 , 3 & 4 mm in shape of sheets .
- Duct thickness shall be applied using SMACNA Standard



Duct Works

3- Stainless Steel Duct

- Stainless Steel is used in duct applications when needs a high hygienic specs for Air such as Operation rooms , Food factories & critical laboratories .
- Stainless steel duct comes in thickness 1.25 , 1.5 & 2 mm in shape of sheets .



07

Current Project and Expansion :

7-1 Current project & Clients :

- Establish and installation for HVAC system Nissan Egypt 6 of October .
- Establish and installation for HVAC system Pirelli Alex Egypt .
- Establish and installation for HVAC system Carrefour Egypt 6 of October .
- Supply Air Handling Unit For EZZ EIARAB .
- Supply Air Handling Unit For SOMABAY Hurghada Egypt .



07

Current Project and Expansion :

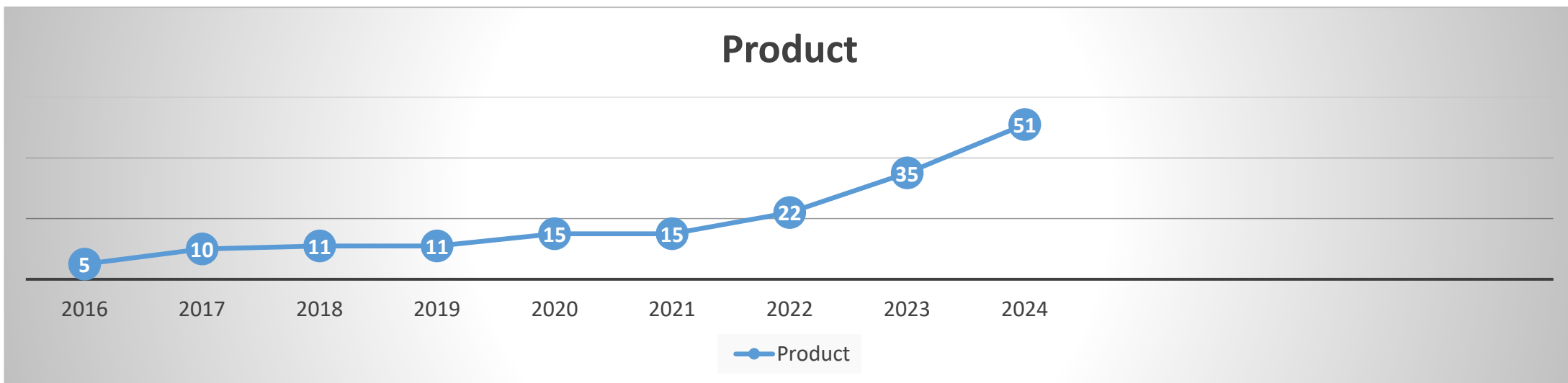
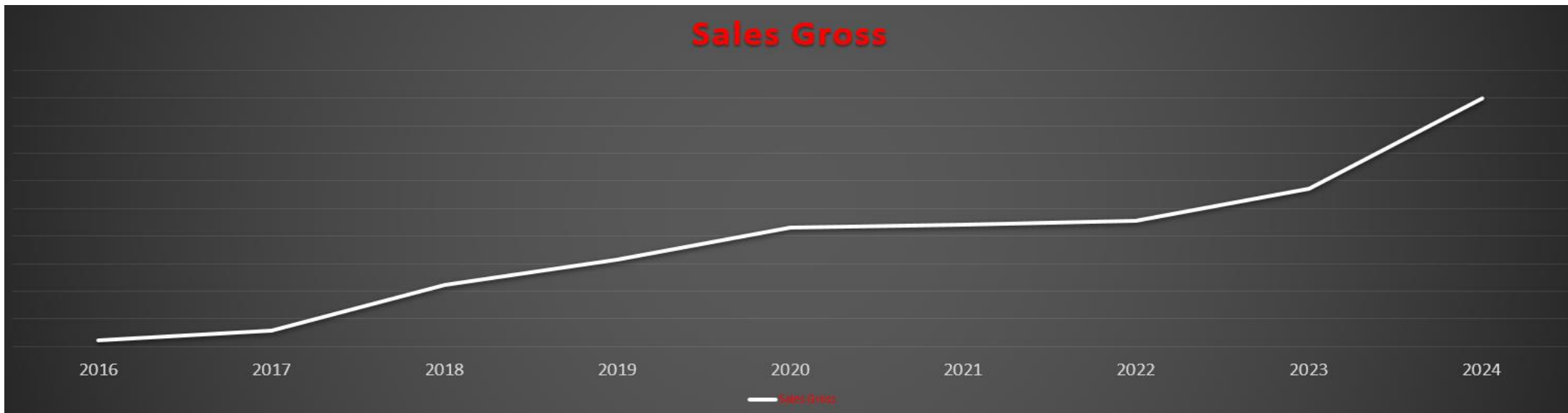
7-2 **Expert** Expansion Plan :

Expert opened a new market and started it`s export activity at Libya . Since 2023 till now

Expert are looking to open new market at North & West Africa and the Gulf region . 2025

Expert are looking to open new market and started it`s export activity at EUROPE. 2030

Last 8 Years Progress



Expert Quality Certificates

ISO 9001:2015

ISO 45001:2018

ISO 14001:2015



SSC
Certificate
 SYSTEMS AND SERVICES CERTIFICATION hereby Certify that the Management System of
Expert Middle East
 6th October City, Northern Expansions, Polaris Industrial Center, Plot No.7
 Has been assessed and found to be in accordance with the requirements of
Quality Management System Standard
ISO 9001:2015
 and scope of activities are detailed below
Manufacturing, Assembly, and Sales of Central Air Conditioning (HVAC System) and Ventilation Equipment

Certificate Number	: ISO9001/12184
Revision Number	: 001
Certificate Cycle Start Date	: 02.01.2024
Certificate Issue Date	: 02.01.2024
Certificate Expiry Date	: 01.01.2025
Recertification Date	: 02.01.2027

IAF Accredited
 EGAC Accredited QMS Certification CAB # 011786
 ISO 9001 CERTIFIED
 Dr. Yasser Farouk, Managing Director

SSC Office: 10 Menaser Towers, Maadi Circle, Cairo, Egypt.
 This certificate is the property of SSC and shall be returned upon request.
 All interested parties are advised to verify the validity of the certificate from SSC website: www.sscert.com



BRILLIANT Certification
CERTIFICATE
Expert Middle East
 6th of October, Industrial Area Developers Northern Extensions, Polaris Industrial Zone, Plot no. 7 - Egypt

Here in after called the company, the right to be listed in the directory of registered companies in respect of the services listed below. These services shall be offered by the BRILLIANT CERTIFICATION from only the above in compliance ISO 45001:2018 "Occupational health and safety management systems"

ISO 45001:2018
Manufacturing, Assembly and sale Air Handling Unit , Metal Outlets and Related Spare Parts (HVAC System)

THE CERTIFICATE IS VALID FOR THE ABOVE SCOPE OF OPERATIONS

EA Code: 14,17

Certificate Number: EG-OHS-0117 Certification Cycle Expire Date: 19-Nov-2027
 Originally Registered: 20-Nov-2024 Certificate Latest Issue Date: 20-Nov-2024

Certificate Valid Until: 19-Nov-2025

IAF Accredited
 EGAC Accredited Occupational Health & Safety Certification CAB # 114001
 BRILLIANT Certification
 Dr. Yasser Farouk, Managing Director

The actual status of this certificate is always displayed at: www.brilliantcert.com



BRILLIANT Certification
CERTIFICATE
Expert Middle East
 6th of October, Industrial Area Developers Northern Extensions, Polaris Industrial Zone, Plot no. 7 - Egypt

Here in after called the company, the right to be listed in the directory of registered companies in respect of the services listed below. These services shall be offered by the BRILLIANT CERTIFICATION from only the above in compliance ISO 14001:2015 "Environmental Management System"

ISO 14001:2015
Manufacturing, Assembly and sale Air Handling Unit , Metal Outlets and Related Spare Parts (HVAC System)

THE CERTIFICATE IS VALID FOR THE ABOVE SCOPE OF OPERATIONS

EA Code: 14,17

Certificate Number: EG-EMS-0109 Certification Cycle Expire Date: 19-Nov-2027
 Originally Registered: 20-Nov-2024 Certificate Latest Issue Date: 20-Nov-2024

Certificate Valid Until: 19-Nov-2025

IAF Accredited
 EGAC Accredited EMS Certification CAB # 114001
 BRILLIANT Certification
 Dr. Yasser Farouk, Managing Director

The actual status of this certificate is always displayed at: www.brilliantcert.com



THANK YOU



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