



EBM
ENGINEERING CO.

COMPANY PROFILE

Your Trusted Source for
Engineering & Fire Protection Products

EBM Engineering

is a specialist in **Fire Protection, HVAC, and Electromechanical systems.**

With over 15 years of experience in supply, installation, and maintenance, EBM Engineering has contributed to landmark projects across **the Kingdom**, including the **Haram, The Avenues, and KSP.**



WHO
WE ARE

A Message from the **GM**



From the very beginning, EBM Engineering Saudi Arabia set out to become a trusted name in our industry. Guided by a philosophy of reliability and professionalism, we've steadily expanded our network of satisfied clients across the Kingdom.

Our expertise spans supply, installation, testing & commissioning, and preventive maintenance of HVAC systems, Electromechanical works, and Fire & Safety Protection for commercial and industrial projects. By combining technical excellence with cost-effective solutions, we've consistently delivered value without compromising on quality. This commitment has allowed us to stand out, overcome competition, and grow stronger in today's dynamic business landscape.

Mazen Sheet

INNOVATIVE RANGE OF SOLUTIONS



PRODUCT SUPPLY

Innovative, high-quality solutions in Fire Protection, HVAC, and Air Pollution control for commercial and industrial sectors.



INSTALLATION & CONTRACTING SERVICES

End-to-end project execution with precise, timely installations ensuring operational efficiency across diverse industries.



PREVENTIVE & PERIODIC MAINTENANCE

Expert preventive and periodic maintenance for HVAC, boilers, and chillers, enhancing equipment performance and longevity.



SERVING CLIENTS WITH
SINCERITY AND COMMITMENT
FOR OVER A DECADE



VISION AND CERTIFICATIONS

EBM Engineering actively endorses Saudi Arabia's Vision 2030 by aligning its operations with the vision's goals for economic diversification and sustainable development. This commitment is demonstrated by EBM's achievement of internationally recognized ISO certifications for quality (9001:2015), environmental management 14001:2015, and occupational health & safety 45001:2018.



45001 :2018



14001:2015



9001:2015



Our Contribution to Vision 2030



Supplying Key National Projects

We have delivered reliable solutions to many of the Vision's flagship developments across various sectors, including NEOM, The Red Sea, Diriyah Gate, and Qiddiya.

Expanding Partnerships

We continue to strengthen our relationships with leading international manufacturers to ensure our offerings meet the highest global standards.

Product Innovation And Readiness

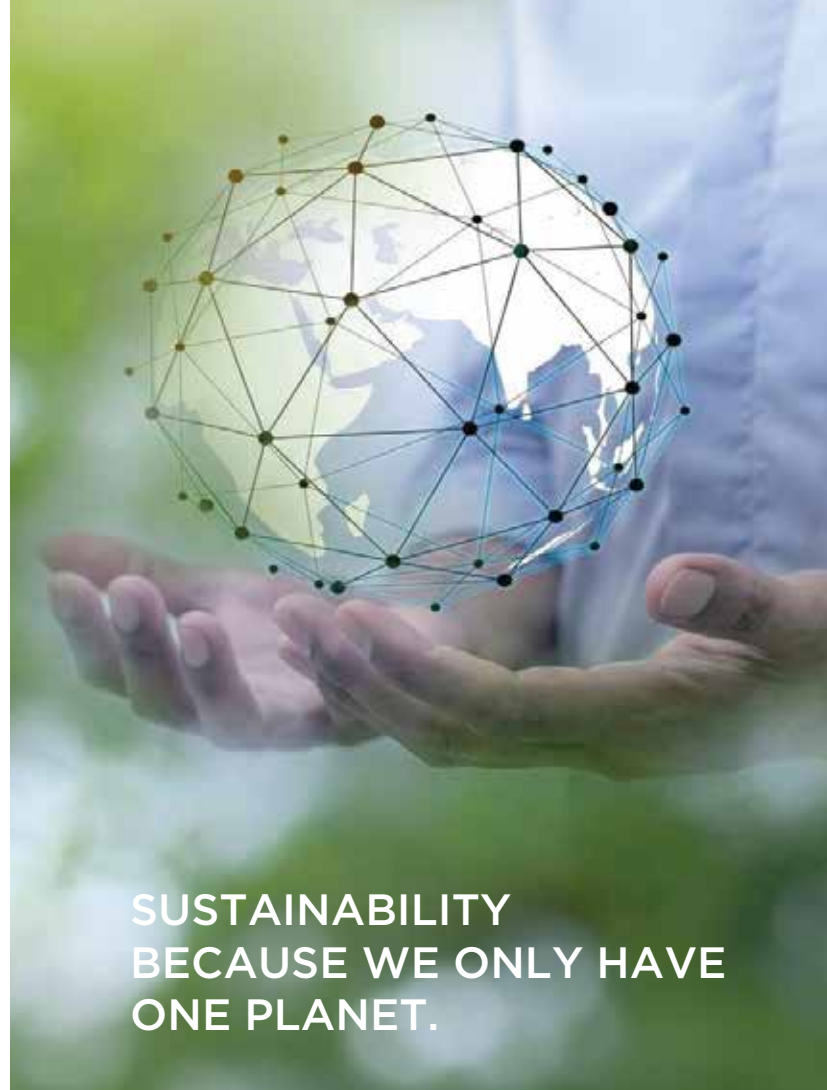
We continuously evolve our product range to meet the growing demands of Vision 2030 projects in terms of sustainability, efficiency, and safety.

Sustainability at EBM Engineering

At EBM Engineering, we believe that our world depends on clean, healthy air and that our solutions must be both energy-efficient and environmentally responsible.

We are committed to ensuring that every product we develop aligns with the principles of sustainability, delivering high performance while minimizing environmental impact.

Our approach is rooted in the Environmental, Social, and Governance (ESG) framework, and through this commitment, we not only support global sustainability goals but also drive innovation and set new standards across the ventilation and air movement industry.



**SUSTAINABILITY
BECAUSE WE ONLY HAVE
ONE PLANET.**

Sustainability at EBM Engineering



Responsible Enterprise

- Ensuring an ethical and responsible business
- Zero tolerance for corruption
- Taking responsibility in our supply chain



Sustainable Workplace

- Sustainable workplace
- Promote employee development
- Equal opportunities with an inclusive culture



Sustainable products

- Develop leading energy efficient solutions
- Improving indoor air quality
- Life cycle approach to reduce environmental impact



Sustainable operations

- Reduce emissions of greenhouse gases
- Improve the energy efficiency of facilities
- Minimize the company's environmental impact

WORLD-CLASS PRODUCTS



Fire Protection and Fire Fighting

At EBM Engineering, we lead the industry in providing the best brands in fire protection solutions. Our top-tier products offer unmatched safety and security against fire hazards. With a commitment to excellence, we safeguard your spaces, ensuring peace of mind in the face of fire-related risks.



HVAC

We at EBM Engineering take pride in offering a curated selection of HVAC products featuring the industry's best brands. Our commitment to excellence means you'll find top-quality heating, ventilation, electrochemical and air conditioning solutions for your every need. Your journey to superior HVAC starts here.



Air Pollution Control

As part of our commitment to sustainability, EBM Engineering introduces Air Pollution Control as a key function in Saudi Arabia. This division delivers advanced solutions to reduce industrial emissions, enhance air quality, and meet environmental standards, aligning with Vision 2030 for a greener, more sustainable future.



Fire Protection

EBM Engineering deals with a wide range of fire & smoke curtains and fire protection products to protect every type of building application.

From protecting means of escape and boundary protection to provide a building with a system that offers effective fire and smoke compartmentation.



We offer various solutions to architects, engineers, consultants and designers providing the ability to design complex buildings that adhere to fire regulations and offer protection against fire and smoke.





Fire Protection

Fire & Smoke Curtains

Smoke curtains are made from fiberglass and use a specific coating that is created to prevent the curtain from emitting gas or additional smoke. Fire curtains also contain fiberglass filaments and a special coating like smoke curtains but require stainless steel thread that allows them more resistance to direct flames and higher temperatures. Applications: Hotels, hospitals, mall, schools, etc.



FireMaster Plus2
Fire Curtain



FireMaster Plus2
Fire Curtain



Vii® Fire AI
Fire Curtain



Fire Protection

Smoke Fans

Smoke exhaust fans are engineered to efficiently extract large volumes of hot smoke during fire emergencies, enhancing visibility and enabling safe evacuation. These systems play a critical role in maintaining tenable conditions in escape routes and supporting firefighting efforts. Designed for high-performance under extreme temperatures, smoke exhaust fans are typically installed in accordance with NFPA 92A.

France
Air





Fire Shutter

Available in 4-hour Fire-rated specification tested to UL10B,BS476.

The Insulated Fire Shutter is a single-layer shutter curtain made of steel face sheets on both sides of the curtain and incorporated and sealed with fire rated heat insulation boards in between.



Insulated
Sectional
Sheet Doors



Roll up
Sheet Doors





Modern HVAC systems are designed to

- Introduce fresh outdoor air into indoor spaces
- Dilute and remove airborne pollutants and CO₂
- Control humidity levels and prevent condensation
- Support energy efficiency through heat recovery and smart controls
- Comply with ASHRAE and local ventilation standards



Inline Smoke Exhaust Fans

Ventilation

- Axial Fans
- Centrifugal Fans
- Duct Fans
- Domestic Fans
- Roof Fans
- Ceiling Fans
- Jet Fans



France
Air



CE



Professional Kitchen

- Extractor hood
- Ecology units
- Automatic System for detecting and extinguishing oil fires.



Heating / DHW / Climate Control

1.Heating

- Electric air heaters
- Tertiary warm air curtains



France Air Electric Heater



Othello®

Heating / DHW / Climate Control

2. DHW

- Domestic hot water storage
- Fast heaters for DHW
- Thermal solar system

Air Curtains

France
Air



Architectural Low
Profile Model #ALCO8



Harmony® One Evo



Architectural High
Performance 10 Model
#AHD 10

Heating / DHW / Climate Control

3. Climate Control

- Heat Pump



Kelvion



Air - Water heat pump
for DHW production



Air - Water heat pump
for DHW production



Water -
water heat pump

Heating / DHW / Climate Control

- Heat Exchanger



Kelvion



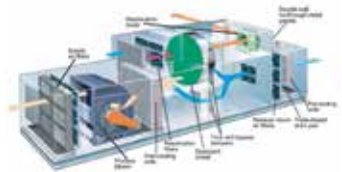
- Dehumidifier



Gasketed plate
Heat Exchangers



Brazed plate
Heat Exchangers



Desiccant Dehumidifier

Humidifier

France
Air



Air Humidifier
with electrical
resistors

CASILICA



Air Humidifier
with immersed
electrodes

Chiller



Air cooled chillers for outdoor installation equipped with scroll compressors and axial fans.



Crac Units



Direct expansion close control units with remote condenser, inverter compressor and E.C. fan.



Air Handling Units

France
Air

- Hygienic Air Renewal
- Preheating/ Precooling
- Air Quality Control



Fan Coils Units

France
Air



Dual flow unit with counter-flow exchanger and energy efficient motor for tertiary individual room applications

Air Pollution Control



As part of our commitment to environmental stewardship and sustainable development, EBM Engineering proudly introduces Air Pollution Control as a core function within our operations in the Kingdom of Saudi Arabia.

This division is dedicated to providing advanced solutions that reduce industrial emissions, improve air quality, and ensure compliance with local and international environmental standards. Leveraging cutting-edge technology and industry expertise, our systems are designed to capture and control airborne pollutants efficiently supporting cleaner production processes and healthier communities.

Through this function, we continue to align our services with the Vision 2030 goals for a greener, and more sustainable future.





Dust, Fume & Mist Collector

Dirty air is pulled in from duct work and particulates are captured by the Delta MAXX™ filters. The clean air is pulled through the filter media and up into the clean air plenum. The air then exits the collector and goes to the return air duct. Compressed air pulses down into the filter cleaning it from the inside out. The dust cake built on the filter is then knocked down into the grating below or into a hopper.

Applications

- Factories
- Mining
- Construction sites





Air Pollution Control

Thermal Oxidizer

- Electric Heater
- Metal Monolith Catalyst Beds
- SS Shell & Tube Heat Exchanger
- Industrial Duty System Fan w/ VFD
- SS Exhaust Stack w/ Sample Ports
- NEMA Control Panel
- Allen Bradley PLC
- Fresh Air Damper
- Robust Integrated Instrumentation

Applications

- Factories
- Food Manufacturing
- Recovery
- Recycling



Pollution Systems
INTELLIGENT AIR SOLUTIONS



Sand Trap Louvers

Louvers are designed for air intake and exhaust in HVAC systems, featuring a robust assembly with frames and specialized blades that include double grooves for fasteners. Made from extruded aluminum alloy, they enhance architectural style while functioning as intake and exhaust components, and are available in standard white or custom colors.

Tested

- High Efficiency Louvers
- Exhaust Louvers
- Sand Trap Louver
- Fresh Air Louver
- Acoustic Louver



MISTING SYSTEM



Electric Industrial Boiler

1. Electric Immersion Heating Element Boiler

Hot Water/ Steam/ Super Heater
Up to 4000 KW, 600 V / 3 Phase

2.High Voltage Jet Type Boiler

Steam Up to 60,000 KW, 25000 V / 3 Phase

3.High Voltage Immersed Electrode Boiler

Hot Water /steam
Up to 60,000 KW, 25000 V / 3 Phase

4.Auxiliary Boiler Systems

- Steam Separator
- Deaerator
- Feed Water Pumps
- Blowdown Tank and Heat Recovery
- Silencer
- Boiler Water Treatment

5.Electric and Gas Fired Thermal Oil Heating Systems

6.Electric and Gas Fired Steam Super heater



acme
ENGINEERING



Industrial Strainer



1. Automatic Strainers

- ACRS Series - Scraper Strainer.
- ACRS BW Series - Backwash Strainer
- ACRS L Series - Inline Strainer
- ACRS TL Series - Tilted Inline Strainer

2. Manual Strainers

- BS Series - Fabricated Basket Strainer
- Fabricated Y and T strainers.
- Conical Temporary Strainers.



Diesel Gensets

EBM Engineering partners with Ausonia to deliver high-performance diesel gensets ranging up to 3000 kVA, designed for critical sectors including healthcare, telecom, and infrastructure. These advanced generators are engineered for both reliability and environmental resilience including configurations for extreme environments, soundproof enclosures for urban use, and hybrid options with solar integration. By adopting these solutions, EBM ensures continuous power supply while aligning with global goals for operational efficiency, safety, and sustainable energy infrastructure.



Diesel Gensets with MTU engine



Diesel Gensets with Cummins engine



Diesel Gensets with Doosan engine

Solar Panel Systems

Powering tomorrow's buildings

Energy is central to modern design. Our solar systems provide reliable performance in harsh climates, cutting operating costs while supporting sustainability goals. They are scalable, adaptable, and built for long-term returns.



Expansion Joint Cover Systems

Engineered for movement,
designed for strength

Every building moves. Our expansion joint cover systems absorb that movement while protecting surrounding finishes. They keep floors, walls, and ceilings safe from thermal shifts, seismic loads, and heavy traffic while preserving a seamless look.

Wall Protection Systems

Hygiene built into every surface

In high-traffic environments, every surface matters. Our wall protection systems defend against daily impact while supporting hygiene and safety standards. From corridors to patient rooms, they combine strength with easy-to-clean finishes.

Vinyl Flooring

Performance with style built in

Floors carry the weight of a building's design and daily use. Our vinyl flooring offers durability and safety while creating attractive, comfortable interiors.

Entrance Matting Systems

First impressions built to last

Entrances face the toughest wear. Our matting systems stop dirt and moisture at the door, protecting floors, reducing cleaning, and keeping spaces safe and presentable.

PROUD SUCCESS STORIES



مستشفى دلة
Dallah Hospital



قطار الحرمين السريع
HARAMAIN HIGH SPEED RAILWAY



جامعة
الملك سعود
King Saud University



حديقة الملك سلمان
King Salman Park



وزارة الصحة
Ministry of Health



الإنماء
alinma



Red Sea
Global



SOFITEL
LUXURY HOTELS



مصرف الراجحي
alrajhi bank



TROJENA



the place to be

الأفنيوز

THE AVENUES



aramco



IHG HOTELS &
RESORTS



stc



KAFCO
مركز الملك عبدالله المالي



الأول
SAB



وزارة المالية
Ministry of Finance



سلة
sela



SEVEN
SAUDI
ENTERTAINMENT
VENTURES



BACS
RINACH METRO PROJECT



سابك
sabk



مسك
مؤسسة محمد بن سلمان
Muhammad Bin Salman
Foundation



SHERATON
EST. 1937



نيوم
NEOM



القدية
Qiddiya

PROUDLY PROTECTING MECCA

A SUCCESS STORY IN FIRE SAFETY INNOVATION



Saudi Binladin Group

Location: Great Mosque of Mecca
Tunnels, Saudi Arabia
Product: SmokeStop D600A Smoke
Curtains
Scope: 2 km of bespoke smoke curtains
Award: ASFP Best Installation Project
(2nd consecutive year)

PROUDLY PROTECTING MECCA

A SUCCESS STORY IN FIRE SAFETY INNOVATION

Project Overview

Coopers Fire was proud to contribute to one of the most critical infrastructure projects in the Islamic world enhancing fire safety in the tunnels beneath the Great Mosque of Mecca (Al-Masjid al-Haram). These tunnels accommodate massive pedestrian flow, especially during the Hajj pilgrimage, necessitating the highest fire safety standards.

Execution Under Pressure

Working in close collaboration with EBM Engineering, Coopers Fire Successfully delivered and installed approximately two kilometers of fire curtains under tight time constraints and complex site access limitations. Detailed coordination and rapid response ensured the project's timely completion without compromising safety or quality..

Tailored Engineering for Sacred Ground

The tunnels posed significant engineering challenges due to their undulating ceilings and floors spanning approximately 927 meters with a maximum deviation of 9.5 meters. Coopers Fire's engineering team developed customized SmokeStop D600A Smoke Curtains that were precisely adapted to the unique topography, ensuring reliable deployment even in sections with a 3.5% slope.



SUCCESS STORIES

Period: 2024/2025

Application type: Commercial Complex/Marina

System type: HVAC System/Fire Protection/Air Pollution



Kelvion



SUCCESS STORIES

Period: 2023

Application type:

- Fire curtains installed in corridors act as barriers to control the movement of fire.
- Thermomixing valve provide a consistent and safe water temperature at outlets like showers and taps.

System type:

- Fire Concertina Curtains & Fire Curtains.

Installed Units:

- 4x Fire Concertina Curtains & 23x Fire Curtains





**DISCOVER OUR
SUCCESS STORIES**



SCAN ME

LIST OF PRODUCTS

Passive Protection Systems (Fire & Smoke)

Brand	Products	Country Of Origin	Standards
	Fire & Smoke Curtains	UK	UL listed, European Standards
	• Rolling Doors / Shutters • Sectional / High Speed Doors Italy UL listed, European Standards • Garage Doors	Italy	UL listed, European Standards
	• Rolling Doors / Shutters • Sectional / High-Speed Doors • Garage Doors Malaysia UL listed • Steel/Fire Doors • Storage Racking System • Sanigate Mobile Disinfection Chamber	Malasyia	UL listed

LIST OF PRODUCTS

Normal & Smoke Ventilation Products

Brand	Products	Country Of Origin	Standards
	• Smoke extraction fans • Axial fans • Centrifugal Fans • Industrial & Commercial Exhaust Fans	USA	UL listed, AMCA Certified
	Smoke extraction fans • Axial fans • Centrifugal Fans • Industrial & Commercial Exhaust Fans • Jet Fans	France	Applus +, European Standards, CE
	Smoke extraction fans • Axial fans • Centrifugal Fans • Industrial & Commercial Exhaust Fans	India	CE, AMCA Certified
	• Axial Fans • Single Inlet Centrifugal Fans • Fans For Round Ducts • Roof Mounted Extractor Fans • Fire Smoke Roof Mounted Extractor Fans	Italy	Applus +, European Standards, CE
	• HVLS Fans	USA	UL listed, AMCA Certified

LIST OF PRODUCTS

Fire Dampers / Acoustic / Air Outlets & Inlets

Brand	Products	Country Of Origin	Standards
	• Fire dampers • Fire Retardant Grilles • Smoke Extraction dampers • Volume Control Dampers • VAV	France Air	CE,NF certified
	Fire Dampers • Smoke Dampers, • Bypass/Independant VAV	UAE	UL Listed, Applus +

LIST OF PRODUCTS

Air Pollution Control

Brand	Products	Country Of Origin	Standards
	• Odor Control Systems	UK	European Standards, CE
	• Dust & Fume Collector (Cmaxx) • Fume Exhaust Hood (Air-Port) • Compact Fume Extractor (Shadow)	USA	American Standard
	• Scraper Strainer, Back-wash Strainer , Inline Strainer • Electric Boilers	Canada/India	American Standard
	• Thermal Oxidizers • Hazardous Air Pollutants • Wet Scrubbers	USA	EPA,NFPA,ISO,DRE

LIST OF PRODUCTS

HVAC-R Solutions

Brand	Products	Country Of Origin	Standards
 CASILICA	• Dehumidifier • Mistig Systems • Industrial and Commercial Humidifiers	India	AHRI,CE,ISO
 OFFICINE RIGAMONTI Costruamo valore	• adjustable thermostatic mixing valves • motorized zone valves - zonny - automatic air vents • accessories for heat pump systems	Italy	WRAS,European Standards, CE
 BERNER AIR CURTAINS	• Commercial Air Curtains • Industrial Air Curtains	USA	UL listed, AMCA Certified
 France Air	• Commercial air curtains • Industrial air curtains • Energy recovery / AHU / FCU • Professional kitchens • Precision air conditioning unit	France	CE, Eurovent, HQE, NF certified
 expansion electronic BETTER AIR FOR A BETTER QUALITY OF LIFE	• Ecology Unit	Italy	BSRIA,ISO,ILH, CE,UL
 fiorini INDUSTRIES	• Heat exchangers • Cooling systems • Pressure tanks • Heat pump systems • Tailored solutions • Hot water systems	Italy	H1 PED,WRAS,KIWA,Er-P,CE
 EMICON CLIMATE SOLUTIONS	• CRAC Units	Italy	European Standards, CE



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