

Breathing Lives



AQOZA[®]



Who are We?

A deep-tech vendor in Gas phase Filtration Systems & Detection Technologies.

What we Do?

R&D in Gas Adsorption Media
Manufacturing of Adsorption Media
Manufacturing of Air Filtration units



Vision

Improving Air Quality for a Sustainable Living.

Mission

Protect life, Business and Environment in providing Innovative & Sustainable solutions in Air Purification.

What we Offer?



Protection System:

- Odour Control units
- Toxic Gas Removal units
- Indoor Air Quality
- Biogas Desulphurization units
- Corrosion Control units
- Corrosion Monitoring units

Detection System:

- Gas Detector / Transmitters
- Indoor Corrosion Monitoring unit
- Corrosion Coupons

Engineering Centre & Assembly unit



FRP Factory



Media Factory

Located at Palakkad Industrial Area, Kerala, India bordering Tamil Nadu.

Manufacturing:
Speciality Activated Carbon (both natural & synthetic)
Zeolite
Alumina Oxide
Bentonite Clay
Lithium Hydroxide
Silica Gel.

Capabilities:
Produce Medias with varying properties
Meet stringent customer quality requirements
Unique capability to do speciality treatments on various media to enhance Adsorption properties.

Our facility also houses filter manufacturing, assembly & testing Space.



R&D

A world class research facility with a fully equipped laboratory to perform large range of characterisation and testing.

Lead by PhD holders with in-depth experience in Adsorption & Catalytic Media technologies. Supported by chemical Engineers.

Capabilities in developing , piloting and commercialising of full range of offerings for the adsorption media requirements.

Working with ISRO and DRDO for developing a new range of solutions for the space programs and defence solutions developments.

Also had ties with and is jointly developing products with various labs of domestic and international repute.

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The Key Environments we protect around the world.

- Wastewater treatment
- Pumping stations
- Food Processing Industry
- Solid Waste treatment
- Hospitality & Healthcare
- Residential developments
- Fertilizer manufacturing
- Petrochemical Industry
- Pharmaceutical Industry
- Data Centers

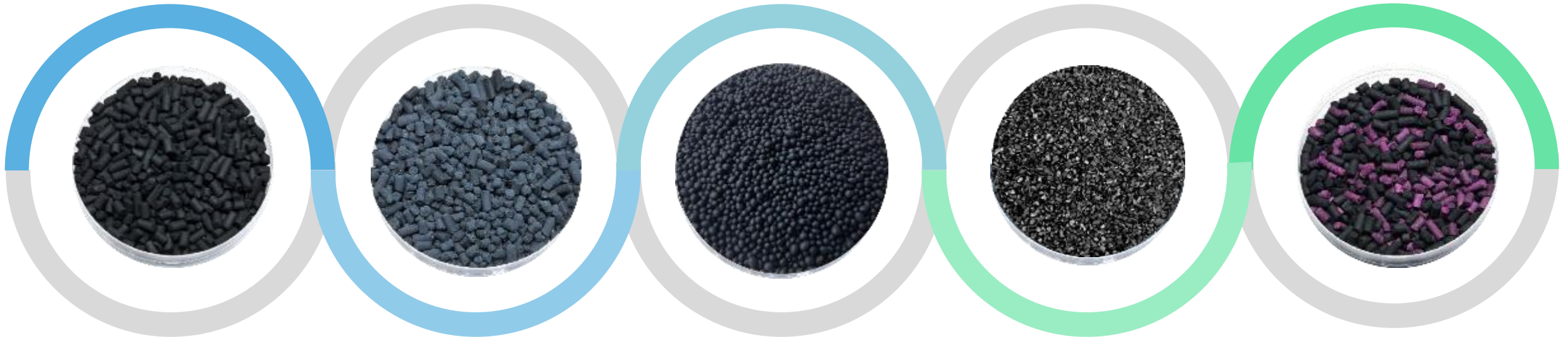


Our Products



Our Carbon Media Family

A complete range of Gas & Odour Removal Solutions.



Virgin Activated Carbons

Ideal for VOCs, Low concentrated H₂S and Siloxanes.

Impregnated Activated Carbons

Hard and versatile for a wide range of applications.

Activate Carbon Sphere

NBC suits, Speciality Air Filtration beds, Air curtains and WAR gas applications.

Granular Activated Carbon

High loading rates for speciality applications

Activated Carbon Blends

Wide spectrum adsorption applications

Other Adsorption Media Family

A complete range of Gas & Odour Removal Solutions.



Zeolites



**Alumina Oxide
Beads**



Bentonite Pellets



Silica Beads



**Lithium Hydroxide
Pellets**

Odour Control System



Activated Carbon Adsorption System

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Biological Oxidation + Adsorption

AQOZA®

Activated Carbon Adsorption System

Standard Units – Passive / Active Units

Capacities:

Air flow from 50 m³/hr to 2,500 m³/hr.

Passive (without suction fan) &

Active (with suction fan)

Applications:

Eliminates toxic gases & Odours produced from Manholes, lifting stations and STPs of Residential developments, Facilities and Sewage transfer lines.

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Activated Carbon Adsorption System

Custom Engineered System

Capacities:

Air flow from 250 m³/hr to 20,000 m³/hr
Customized engineered units with a standalone operation capability.

Applications:

Eliminates the toxic gases & Odours
Produced from pumping stations, large STPs,
ETPs in Industrial units & Municipal treatment plants.



Features of Adsorption System

Our Features

- Green Odour Control unit
- Based on Coconut activated carbon
- Made from Coconut shells
(A renewable resource, Support farmers, Locally made)
- Chemical Free System
- Water Regenerable media (Life 3 years or more)
- Land disposable media after usage.
- Odour removal efficiency 99.9% all the time
- Least operator assistance



Biological Odour Control System

Capacities:

- Air flow from 1,000 m³/hr and above customized engineered units.
- 100% recycled Inert porous media
- Stable media at low pH
- Provides 8x the surface area of traditional bio-trickling filter medias
- Entire surface area utilized by bacteria
- Single media bed, regardless of depth
- Smaller FRP vessels, less expensive

Applications:

Eliminates toxic gases & Odours produced from Wastewater treatment plant & Industrial Manufacturing units.



Corrosion Monitoring Units

To monitor and store real-time corrosion in a room which is crucial for effective protection of electronic components. The device works in compliance with international standard; '*ANSI/ISA-S71.04 Environmental Conditions for Process Measurement & Control Systems: Airborne Contaminants*', for measuring corrosion levels of electronic & electrical equipment



Active Corrosion Monitoring Unit



Passive Corrosion Monitoring Sensor

Corrosion Control Units

To remove corrosive gases and protect the sensitive equipment like motor controls, electronics, data centre equipment, server room equipment, switch gears and other critical equipment from the following industry.

- Refineries
- Semiconductor manufacturing
- Airports
- Steel manufacturing & Smelting plants
- Healthcare
- Fertilizer manufacturing
- Paper & Pulp
- Wastewater treatment
- Pharmaceutical
- Chemical manufacturing

To meet Air quality limit of '*ANSI/ISA-S71.04 Environmental Conditions for Process Measurement and Control Systems*:'

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Toxic Gas Removal Units

Protect people, business unit and environment by removing toxic gas infiltrate from environment and from gas leakage at manufacturing units.

- Fertilizer manufacturing
- Chemical storage / manufacturing
- Pharmaceutical raw material storage, emission control,
- Oil & Gas refineries
- Food Processing
- Paper & Pulp manufacturing
- Furniture manufacturing / painting



Biogas Desulphurization

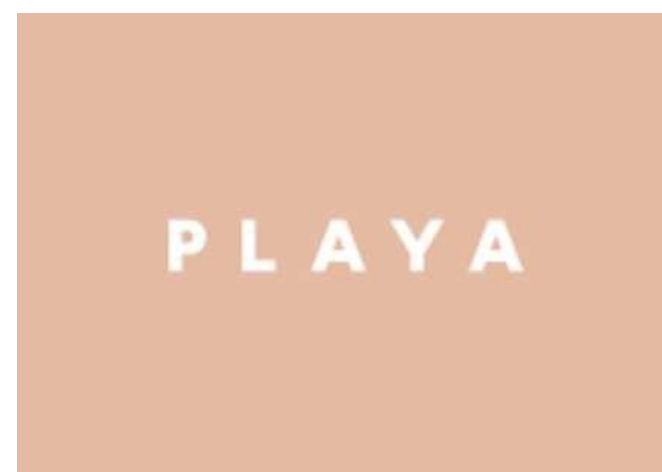
DesulphurPlus

- Activated carbon adsorption based
- Made from Coconut shell carbon, Green Carbon (A renewable resource, Support farmers, Locally made)
- Chemical Free System
- Water Regenerable media, Clean-In-Place (upto 10 regeneration)
- H₂S removal efficiency 99% all the time
- Single media to remove H₂S, Siloxane & VOCs
- Works with zero O₂ concentration as well
- Low pressure drop; 10-20mbar across the filters
- Least operator assistance



Our Valued Clients Across the Middle East





NEWGIZA

EMAAR



AQOZA®

Approved by Leading International Consultants

SHAKER
CONSULTANCY GROUP

ECG
مجمع المهندسين الاستشاريين
ENGINEERING CONSULTANTS GROUP S.A.

ATKINS
Member of the SNC-Lavalin Group

DAR

 **JLL**

dar

Jacobs

WSP

ITQAN 
إستشارات هندسة التصميم المعماري
ARCHITECTURAL DESIGN CONSULTANCY

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OCUs Installed for Iconic Developments Projects Across the Middle East

Projects	Clients	Country
EAST PORT SAID, EGYPT	MINISTRY OF DEFENCE, EGYPT	EGYPT
UP TOWN CAIRO SPORTS CLUB, EGYPT	EMAAR	EGYPT
PALM HILLS NEW CAIRO, EGYPT	PALM HILLS DEVELOPMENT, EGYPT	EGYPT
SILVER SANDS PROJECT, EGYPT	ORA, EGYPT	EGYPT
FEDDAN MAIN TRUNK INFRA, EGYPT	SODIC	EGYPT
SEASHELL PLAYA NORTH COAST, EGYPT	PLAYA, EGYPT	EGYPT
AL JURAINAH, SHARJAH	DPW - SHARJAH, UAE	SHARJAH
Construction of STP at Maliha	DPW - SHARJAH, UAE	SHARJAH

Projects	Clients	Country
HYDE PARK NORTH	HYDE PARK DEVELOPMENTS	EGYPT
ZED EAST INFRASTRUCTURE	ORA, EGYPT	EGYPT
JUNE TRUNK INFRASTRUCTURE	SODIC	EGYPT
KING SALMAN AIRBASE	MINISTRY OF DEFENCE, SAUDI	SAUDI ARABIA
SHURA ISLAND - RED SEA GLOBAL	THE RED SEA DEVELOPMENT COMPANY	SAUDI ARABIA
DIRIYAH GATE - WADI SAFAR	DIRIYAH GATE, SAUDI	SAUDI ARABIA
DS-220 HOUSE CONNECTIONS WORKS	DUBAI MUNICIPALITY	DUBAI

Projects	Clients	Country
Construction of Mudaifi STP	DPW - SHARJAH, UAE	SHARJAH
AL MAIRID DEVELOPMENT PH1	MARJAN	DUBAI
THE VALLEY DEVELOPMENT	EMAAR	EGYPT
HOUSING IN AL WAKRA, QATAR	BARWA REAL ESTATE COMPANY	QATAR
ODOUR CONTROL SYSTEM SSC QATAR	SUEZ WATER	QATAR
MEZEYONA AND TAQA DHOFAR GOVERNANCE, SALALAH	SALALAH SANITARY DRAINAGE SERVICES CO.	OMAN
DIA RAS AL HADD DEVELOPMENT - OMAN	DIA RAS AL HADD	OMAN

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INSTALLATION PICTURES





Odour Control Units For Pumping Station

Port Said, Egypt, 2 Nos of OCUs

Capacity- 10,345 m³/hr



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Odour Control for STP

For odour removal for sewage treatment plant at Taqa & Mazeyona for Salalah Municipality (2 Units)



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Odour Control for a Lifting Station

OCU for SLS Al Juraina &
Juraina-1 Area, Sharjah

Capacity- 3,500 m³/hr

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Odour Control Units for Lifting Station

Odour Control Units for 8 Lifting stations, at Doha Qatar



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Odour Control Units for PS

Dual Stage Odour Control Unit for Pumping Stations, Surat Municipality, Gujarat



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Odour Control Units for Pumping Stations

Dual-Stage Odour Control Units for PS, 7 Nos at Surat Municipality, Gujarat



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Odour Control Units for Manholes

Victoria International School,
Sharjah



AQOZA®



Odour Control Units for STPs

For Nama Water (Oman Municipality),
2 Nos of Dual stage
(Bio + Carbon) OCUs.



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Odour Control Units LS

Shurayra Island Luxury Resort,
Saudi 12 Nos of OCUs



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Odour Control Unit for STPs

Dual stage (Bio + Carbon) OCUs
for Hyderabad Municipality

Capacity- 2000 to 11,000 m³/hr

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Odour Control Units for Airport STP

Single Stage Activated Carbon OCU

Capacity- 1980 m³/hr



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Odour Control Unit @IT Corporate Office

OCU (Carbon) for headquarters
of an IT company, Hyderabad

Capacity- 3000 m³/hr



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Odour Control Units for Residential Properties

Single Stage Odour Control Units for STP, Bangalore

Capacity- 1600 m³/hr



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VOC Removal Unit for Manufacturing Industry

VOC Removal Unit for
Adhesive Manufacturing Facility,
Hyderabad

Capacity- 40,000 m³/hr

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Odour Control Unit for Airport STP

Odour Control Unit for Airport
STP, Bangalore

Capacity- 2800 m³/hr



Odour Control Unit @Airport Facility

OCU for Airport-
Single Stage Activated Carbon
Odour Control Unit

Capacity- 1350 m³/hr



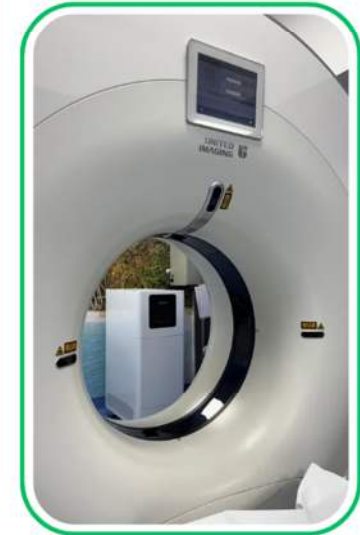
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Corrosion Control Unit for Hospital

Corrosion Control Unit for CT Scan Facility
inside a Hospital, Telangana

Capacity- 500 cfm



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Odour Control for a Cancer Centre

Odour Control Unit for a
Hospital Basement, Ahmedabad

Capacity- 900 m³/hr

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Toxic Gas Removal for Fertiliser Plant

Toxic Gas Removal Unit for a Fertiliser Plant in Gujarat

Capacity- 3,910 m³/hr



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Odour Control Unit for Logistic Terminal

OCU for Ro Ro Terminal, Egypt-
Single Stage Activated Carbon
Odour Control Unit

Capacity- 50 m³/hr



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Our Presentation is just too small for everything

For more details, Contact Us

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