abamet pakistan

SUSTAINABLE SOLUTIONS FOR A CLEANER, GREENER EARTH !

Abamet Environmental Technologies Pakistan

abamet pakistan

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INTRODUCTION

Abamet Environmental Technologies Pakistan is an aspiring organization, that is working for a better world. Our services include all your environmental needs. We have the finest team of professionals that aim at serving best to our customers. Their efforts combined with latest technology helps in resolving most challenging environmental problems and issues. Our specialties include water and wastewater treatment and recycling.

VISION

We envision healthy generations through treating and recycling every drop of water that Earth has to offer

MISSION

We strive to provide resourceful, creative, innovative and adaptive services to our clients

VALUES

We create cost effective and suitable ways to treat and recycle water to achieve our vision.

ABOUT US

Abamet Environmental Technologies Pakistan is an aspiring organization, that is working for a better world. Our services resolve all your environmental needs. We have the finest team of professionals that aim at serving best to our customers. Their efforts combined with state of the art technology helps in solving any challenging problems and issues. Our specialties include water and wastewater treatment and recycling. We are honored to announce that we've been providing services in water and wastewater treatment and recycling for the couple of decades. We have many successfully working projects across Pakistan.

Engr. Mansoor Ahmed PhD. Scholar is the owner and Chief executive of Abamet Pakistan Mansoor Ahmed has 30 Years professional experience in Designing & Business Development of Water/Wastewater Treatment Plants and Environmental Projects including Sea Water Desalination and Recycling of Industrial Effluent. He specializes in Process Designing of Water/Wastewater Treatment Plants, Business Development of Water/Wastewater & Environmental Systems, Technical Marketing & Business Establishment. Certified Project Management Professional - CPMP; through understanding PMBOK 4th Edition ISO 10006 Standards of Project Management as per PMI. Advanced Project Management Professional - APMP accredited by Government of Pakistan NEBOSH & IOSH Qualified / Certified HSE Professional

Engr. Dr. Mansoor Ahmed
Chief Executive Officer

WASTEWATER TREATMENT

Globally, two million tons of sewage, industrial and agricultural waste is discharged into the world's waterways and at least 1.8 million children under five years-old die every year from water related disease.

THE ABAMET APPROACH

Abamet Pakistan provide services for wastewater treatment to avoid pollutants contaminating natural water bodies. For that we have range of innovative methods to meet client's needs. We can address your wastewater depending on your pollutant load, for that we have different technologies to offer. Different treatment plants include Effluent Treatment Plant, Grey Water Treatment Plant and Sewage Treatment Pants.

GREY WATER TREATMENT PLANT

The water from your sink, showers and bath tubs that doesn't include feces is known as grey water. Demand on conventional water supplies and pressure on sewage treatment systems is reduced by the use of grey water. Re-using grey water also reduces the volume of sewage effluent entering watercourses which is ecologically beneficial. Grey water can be treated easily with Abamet Pakistan's technology and expertise. The treated grey water can be used in garden, floor washing, horticulture, and landscaping. This achieves our goals of ecologically sustainable development.

EFFLUENT TREATMENT PLANT

A waste water treatment plant when installed for an outlet of an industry it is naturally known as effluent treatment plant. The ETP Plant works at various levels and involves various physical, chemical, biological and membrane processes to treat waste water from different industrial sectors like chemicals, drugs, pharmaceutical, refineries, dairy, textile and so on. Our team suggests the most efficient and pocket friendly treatment facilities for your effluent. Effluent Treatment Plant can be further polished to become recycling plant, which can save tonnes of water and millions of rupees.

SEWAGE TREATMENT PLANT

Abamet Pakistan provide services for wastewater treatment to avoid pollutants contaminating natural water bodies. For that we have range of innovative methods to meet client's needs. We can address your wastewater depending on your pollutant load, for that we have different technologies to offer. Different treatment plants include Effluent Treatment Plant, Grey Water Treatment Plant and Sewage Treatment Pants.

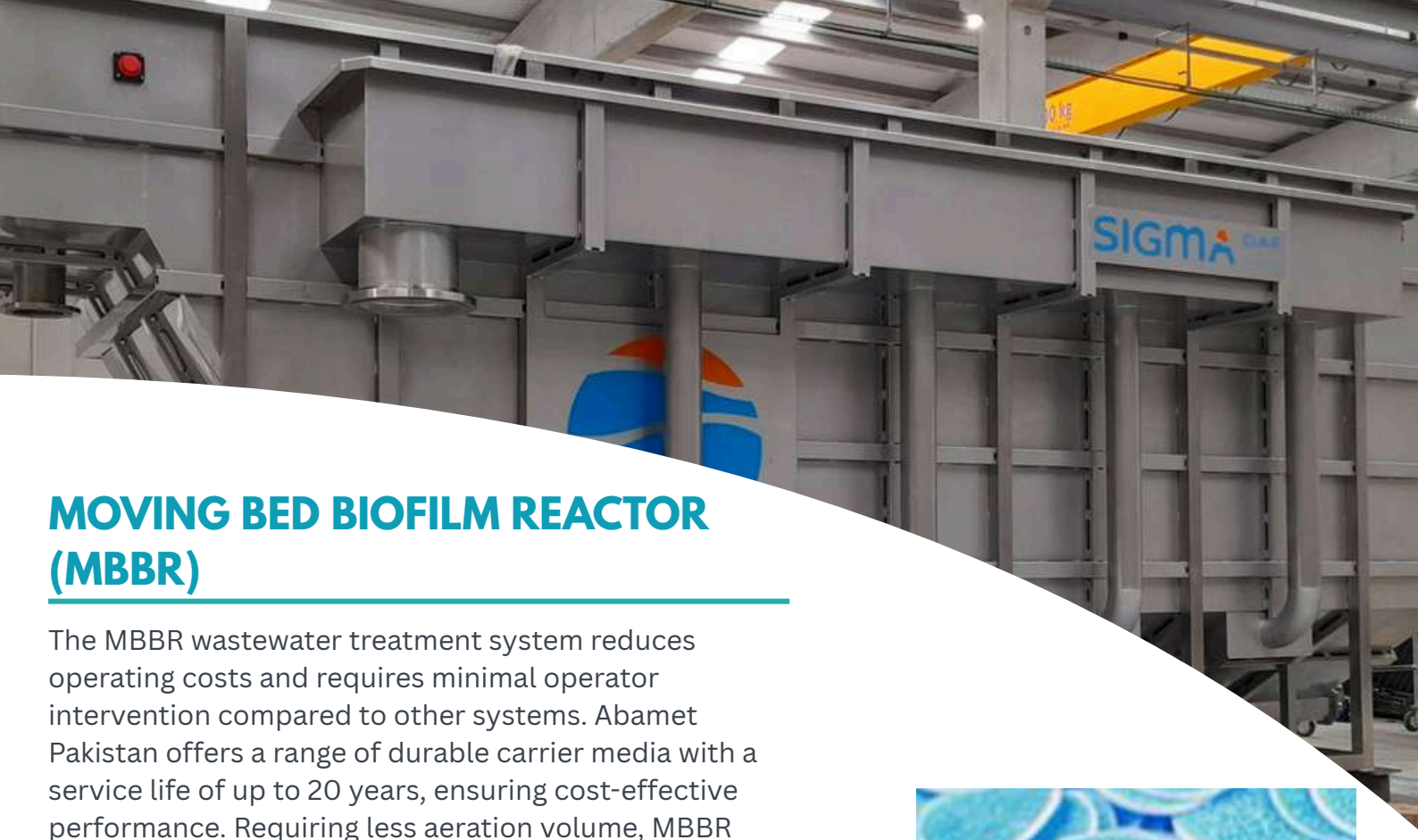
MEMBRANCE BIOREACTOR (MBR)

Membrane Bioreactor (MBR) is an advanced technology which is an efficient combination of membrane separation technology with biological technology. MBR increases the water effluent quality and high quality water is achieved in a very low space. This is a very stable process which generates lower sludge. This is the ultimate solution for higher pollution loads. Abamet Pakistan has successfully installed many MBR plants around the country.

"Membrane Bioreactor (MBR) wastewater Treatment Plant Containerized / Packaged System 20,000 GPD ~ Dawlance"

LAMELLA SETTLER

Lamella settler is a process used to settle flocculated solids. Lamella clarifiers are ideal for applications where solid loading is variable and particle size is fine. Water flows through the lamellas (inclined plates), onto which the solid particles settle, while the sludge slides down into the sludge funnel. Treated water then flows upward and exits through a weir. Since they require significantly less space than conventional clarifiers, lamella settlers are especially useful where limited installation area is available.



MOVING BED BIOFILM REACTOR (MBBR)

The MBBR wastewater treatment system reduces operating costs and requires minimal operator intervention compared to other systems. Abamet Pakistan offers a range of durable carrier media with a service life of up to 20 years, ensuring cost-effective performance. Requiring less aeration volume, MBBR lowers energy consumption while delivering higher-quality treated water. Combining suspended and attached growth, it provides efficient biological treatment, making it a reliable and sustainable solution for wastewater management.

Bio Chip Media

"Containerized MBBR System." ~ GETZ PHARMA (Pvt) Ltd, Capacity: 70,000 GPD

BIO TOWERS / TRICKLING FILTERS

Bio Tower is also known as Trickling Filter (TF). It is a fixed-bed, biological reactor that operates under aerobic conditions. It requires expert design and construction, particularly, the dosing system. Less sludge is formed in this type of system. It is applicable in large scale water treatment plants.

SEQUENTIAL BATCH REACTOR (SBR)

A sequencing batch reactor is a fill-and-draw activated sludge system for wastewater treatment. An SBR system removes organic matter with more than 95% removal efficiency. It has a septic tank upstream to it for waste water collection. The SBR accomplishes equalization, aeration, and clarification in a timed sequence in a single reactor basin. Abamet Pakistan knows that every wastewater is unique and we tailor the system to give you the best treatment system as a whole.

ACTIVATED SLUDGE PROCESS (AS)

This is the most conventional biological treatment process in which sludge (bacteria or microorganisms) is activated and agitated and it is mixed with the wastewater. Aeration is done through different means and it flocculates all the organic matter present in the wastewater. Aeration design and tank parameters are developed by professional engineers of Abamet Pakistan according to client's requirements.

"AS Containerized System." ~ OBS Pharma Capacity: 20,000 GPD

DISSOLVED AIR FLOATATION (DAF)

Dissolved Air Flotation (DAF) systems remove suspended solids up to 97%, chemical oxygen demand (COD) up to 85%, and oils and greases (O&G) from a wastewater stream at a very low cost. Contaminants are removed through the use of a dissolved air-in-water solution produced by injecting air under pressure into a recycle stream of clarified DAF effluent. This system is suitable for highly saline water. Abamet Pakistan provides DAF units in containerized water tanks which occupy less space and reach your requirements

SLUDGE DEWATERING

The industries in Karachi generate around 100 million gallons of industrial effluents per day, of which 90 percent goes into the Arabian sea without any treatment.

A screw press requires little operator attention and low maintenance, but consumes considerable floor space due to small hydraulic load capacity. In a screw press, a screw with a variable pitch helix operates within a cylinder of fixed and moving rings that make up the dewatering drum. The fixed rings form a static structure whereas the moving rings ensure continuous self cleaning while the screw is in motion. When the screw is in operation, the size of the gaps changes continuously, thus giving a smooth dewatering process. The filtrate that results from the dewatering process as the flocculated sludge is compressed, flows through these gaps into a collection tray located under the machine.

BELT PRESS

Belt filter larger output, low consumption, smaller working space, better working condition, easy-operation and convenient maintenance. Sludge goes into sludge distributor to gravity dehydration which is a little long period with horizontal movement and small angle rising period; then filtrated sludge moves with filtrating belt and under gravity water is separated from solids. This immobilized sludge is taken to wedge dehydration. Where two filtrating belts come together and squeeze sludge gradually discharging the water. After discharging device, mud cakes are scraped by scraper from filtrating belt.

CENTRIFUGAL DECANTER

With a certain differential, drum and spiral rotate unidirectionally in a high speed. The material is introduced into the spiral internal cylinder through feed tube, then enters into the drum in a faster sp eed. Under the effect of centrifugal field, The heavy solids form a sediment layer on the drum wall. The spiral will transport the solid phase content to the cone part on drum and it will be discharged through the bleed hole. This machine can continuously feed in, separate, wash and discharge in the full speed of running.

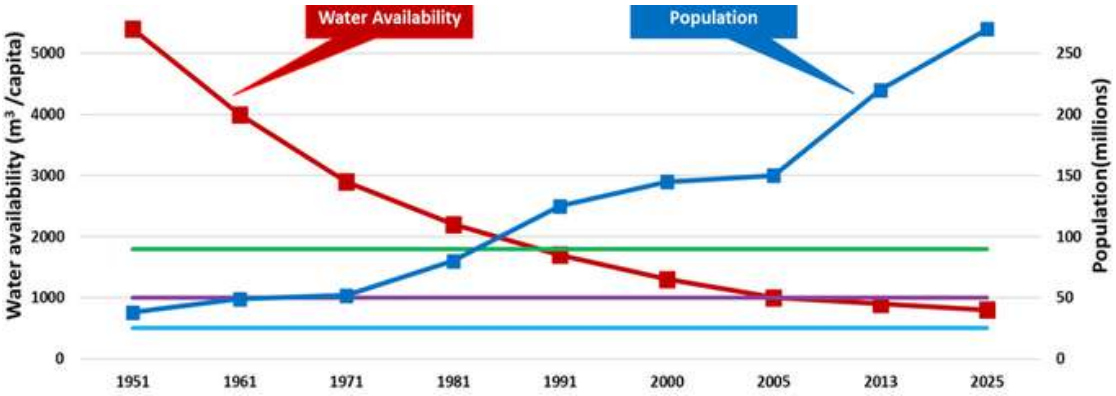
FILTER PRESS

A filter comprises a set of vertical plates, which press against each other by hydraulic jacks at one end of the set. The pressure applied to the joint face of each filtering plate must withstand the chamber internal pressure developed by the sludge pumping system.

WATER TREATMENT / RECYCLING

Water treatment is a process which brings the quality of water to high quality require standards. Water from your bores that has high dissolved solids can be brought to potable standards. The water treated can be used for any purpose such as drinking, industrial water supply, irrigation etc. This treatment removes contaminants and pathogens or otherwise harmful matter from water to prevent harm towards humans. To achieve this requirement Abamet Pakistan has multiple technologies to offer.

According to researches 80% of Pakistan's population is forced to use unsafe drinking water due to the scarcity of safe and healthy drinking water sources.



WATER RECYCLING

With the increase in world population water demand is increasing drastically. Wastewater management will require emphasis on actions linked to resource management, to keep valuable resources available for productive uses. This supports human wellbeing and broader sustainability. Water reuse represents an opportunity to support our nation's communities and economy by bolstering safe and reliable water supplies for human consumption.

ULTRA FILTRATION (UF)

Ultrafiltration is one membrane filtration process that serves as a barrier that separates harmful bacteria, viruses, endotoxins , plastics, proteins, silica , silt, smog and other contaminants from clean water without demineralizing it. An ultrafiltration water system forces water through a .02-micron semi-permeable membrane using hydrostatic water pressure. Suspended particles that are too large to pass through the membrane stick to the outer membrane surface. Only fresh water and dissolved minerals pass through. Abamet Pakistan designs UF as per your requirement and gets it ready in no time.

REVERSE OSMOSIS PLANT (RO)

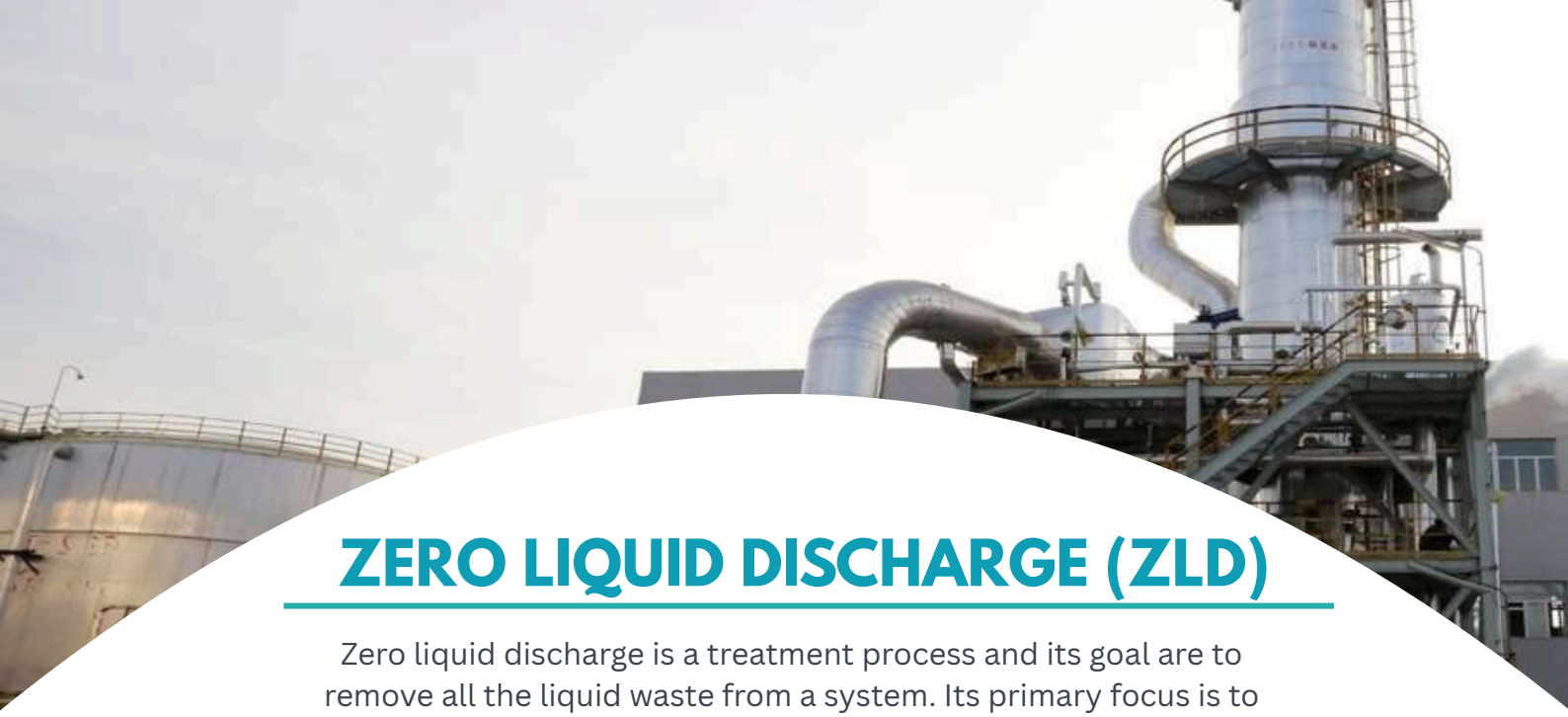
Reverse osmosis (RO) is a water purification process that uses a partially permeable membrane to remove ions and unwanted molecules. In this process water is pressurized through semi permeable membrane, leaving 95%-99% salts behind in the reject stream. Pressure required in the system is proportional to the Total dissolved Solids (TDS) present in the feed/influent water. Abamet Pakistan designs and sets all the pressures right so that it decreases all the operational costs and you get demineralized water without any dissolved matter.

NANOFILTRATION

Nanofiltration is a relatively recent membrane filtration process; it is mainly applied in drinking water purification process steps, such as water softening, decoloring and micro pollutant removal. Membranes having pore sizes from 1-10 nanometers does not allow any organic matter and salts to pass through it. This means that bivalent ions of hard water such as calcium and magnesium will not be allowed to pass through the pores of the membrane. Abamet Pakistan provides nanofiltration system for water treatment and so that there are no heavy metals or pathogens in your water.

SAND-CARBON FILTER

A Sand – Carbon or Multimedia Filter is a gravity-type filter typically containing three media layers of anthracite coal, sand and garnet, with a supporting layer of gravel at the bottom. The entire media bed acts as a filter with efficient particulate removal as the upper layers removing large particles and the lower layers retain the smaller particles. This system is used to decrease the load on UF ad other filtration processes. Abamet Pakistan designs the best recycling plant very low costs.



ZERO LIQUID DISCHARGE (ZLD)

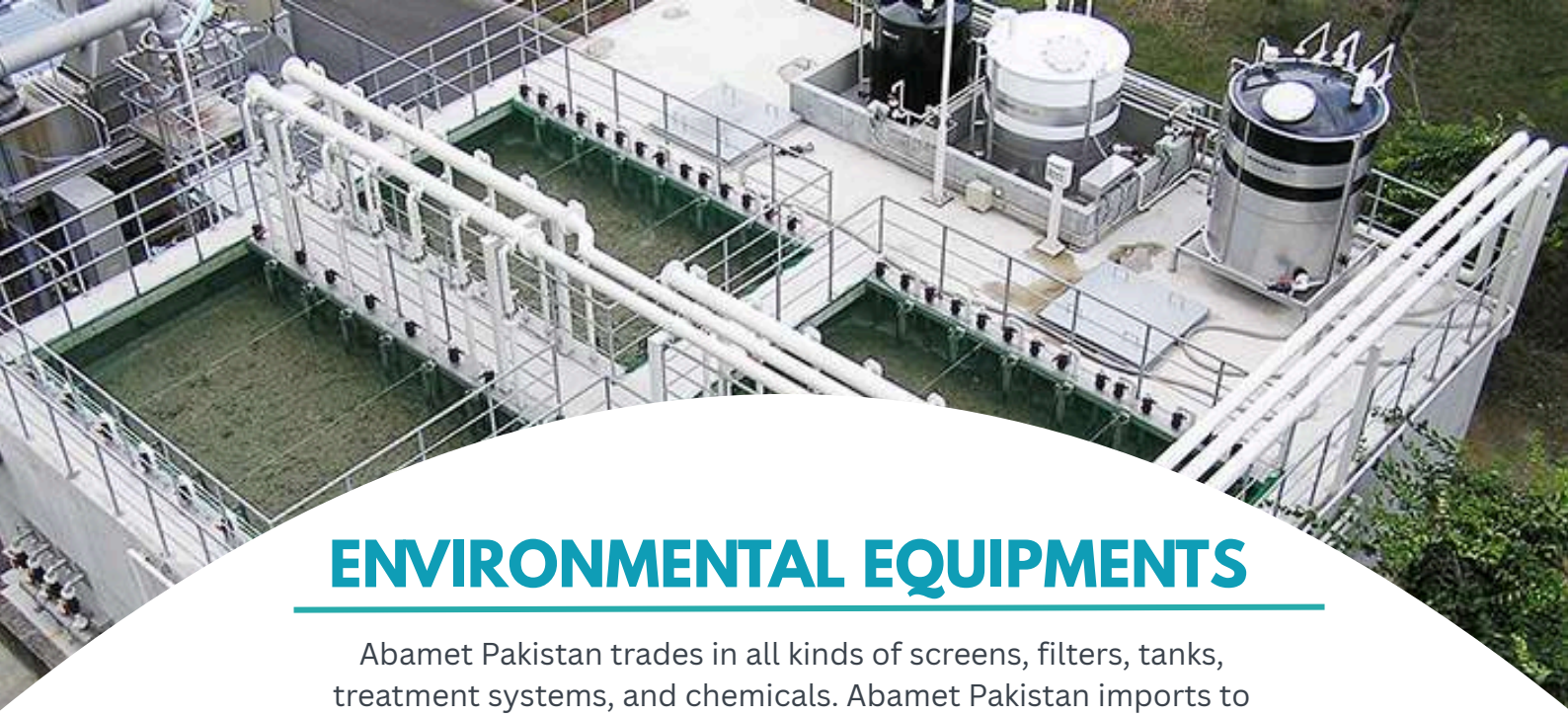
Zero liquid discharge is a treatment process and its goal are to remove all the liquid waste from a system. Its primary focus is to produce reusable water from waste water or brine. ZLD technologies use the concept of thermal evaporation to convert brine into highly purified water and dry solid waste product is ready to be disposed of. Valuable resources (such as NaCl, Na2SO4, and others) can also be recovered from wastewater by this technology; resources are dependent on the type of water being fed to the plant.

SLUDGE CRYSTALLIZERS

Crystallization is a separation method in which the formation of a solid (crystal or precipitate) is produced from a homogeneous, liquid or gaseous phase. The solid formed can be very pure, so crystallization is also used industrially as a purification process.

VACUUM EVAPORATORS

The solution must be supersaturated before crystallization can occur. In vacuum evaporators evaporation occurs by combining of cooling and evaporation in adiabatic evaporators. The solution is concentrated and cooled until the concentration of the solute is higher than its solubility at that temperature, and the solute forms almost pure crystals.



ENVIRONMENTAL EQUIPMENTS

Abamet Pakistan trades in all kinds of screens, filters, tanks, treatment systems, and chemicals. Abamet Pakistan imports to provide European and Chinese instruments for your treatment systems. We also deal in reusable products that may reach your desired standards. Reach us out to acquire pocket friendly and worthy resources for your treatment systems.

MANUAL SCREENS

Manual coarse screens are the simplest screening mechanisms which are used to remove large solid particles from the system before entering the plant, in all kind of water and wastewater treatment plants and pumping stations. They have no mechanical components. Therefore, cleaning process is done manually with the help of hand rake.

MECHANICAL SCREENS

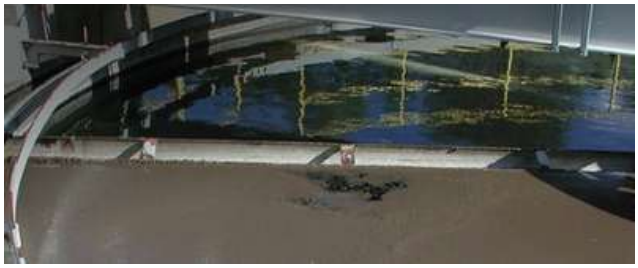
Mechanical Screen is widely used to block and get rid of floating debris in wastewater pump station, water supply pump station and influent pump station of sewage treatment plant municipal wastewater treatment. Residue sizes larger than bar spacing get blocked by the screening surface while sewage flowing by, the tines of rake tooth plate go deep into the screen space. Residue blocking the screen surface will be raked up and will be discharged by gravity as they reach the top of the discharge outlet. Residues dropped from discharge outlet will fall into the conveyor or trash car for further processing.

GRIT CLASSIFIER

Grit classifier are used for the separation of solids from water and consisting of a funnel-shaped separation tank with a screw conveyor. Inflow of the grit/water mixture induces a rotary movement in the water which causes the heavier substances such as sand to sink to the apex of the funnel, where they are removed and dewatered via the screw conveyor. The grit is thus rendered substantially free of solid particles.

SKIMMER

A skimming tank is a chamber so arranged that the floating matter like oil, fat, grease etc., rise and remain on the surface of the waste water removed, while the liquid flows out continuously under partitions or baffles. Floating scum is gathered by a screw conveyor or “floating skimmer”. Afterwards this material is delivered to a collection container. The total system is designed to accommodate variations in the water level of up to 200mm without difficulty.



LAMELLA PLATES / TUBE

Lamella plates are inclined plastic plates that are placed at an angle with the horizontal. Water flows through the lamellas (inclined plates), onto which the solid particles settle. The sludge slides down the lamellas and is collected in the sludge funnel. Treated water flows to the top and reaches the outlet by passing a weir.

ALTERNATE ENERGY SOLUTIONS

From the advent of the industrial revolution, energy consumption has increased dramatically and it is ever increasing with the rapid changes of the world. Reliance on fossil fuels contribute towards massive air pollution which herald diseases. All this poses a great threat for future generations. Thus, going forward it is imperative that use of alternative sustainable energy i.e. meeting today's needs without compromising future needs, is required. Abamet Pakistan brings sustainable solutions for every problem, we can handle this by harvesting naturally renewable energy such as Solar and Wind energy.

SOLAR ENERGY

By harnessing solar power with the help of cutting-edge, evolving technology will make us stop relying on fossil fuels and reduce its impact on our environment. Utilizing active solar power including Photovoltaic System which are colloquially known as Solar Panels, as well as using concentrated solar power which involves a system of mirrors and lenses which concentrate sunlight spread over large areas into single receivers. Abamet Pakistan provides you with the design and installs solar panels as per your requirement.

WIND ENERGY

Wind power is one of the fastest-growing renewable energy technologies. Wind corridors possessed by Pakistan are a never-ending source of energy. It plays an increasingly important role in the way we power our world – in a clean, sustainable manner. Abamet Pakistan provides wind turbines along with all the necessary equipment required to power your place. Abamet Pakistan's expert engineers will design orientation of turbines as to provide you the most efficient system.

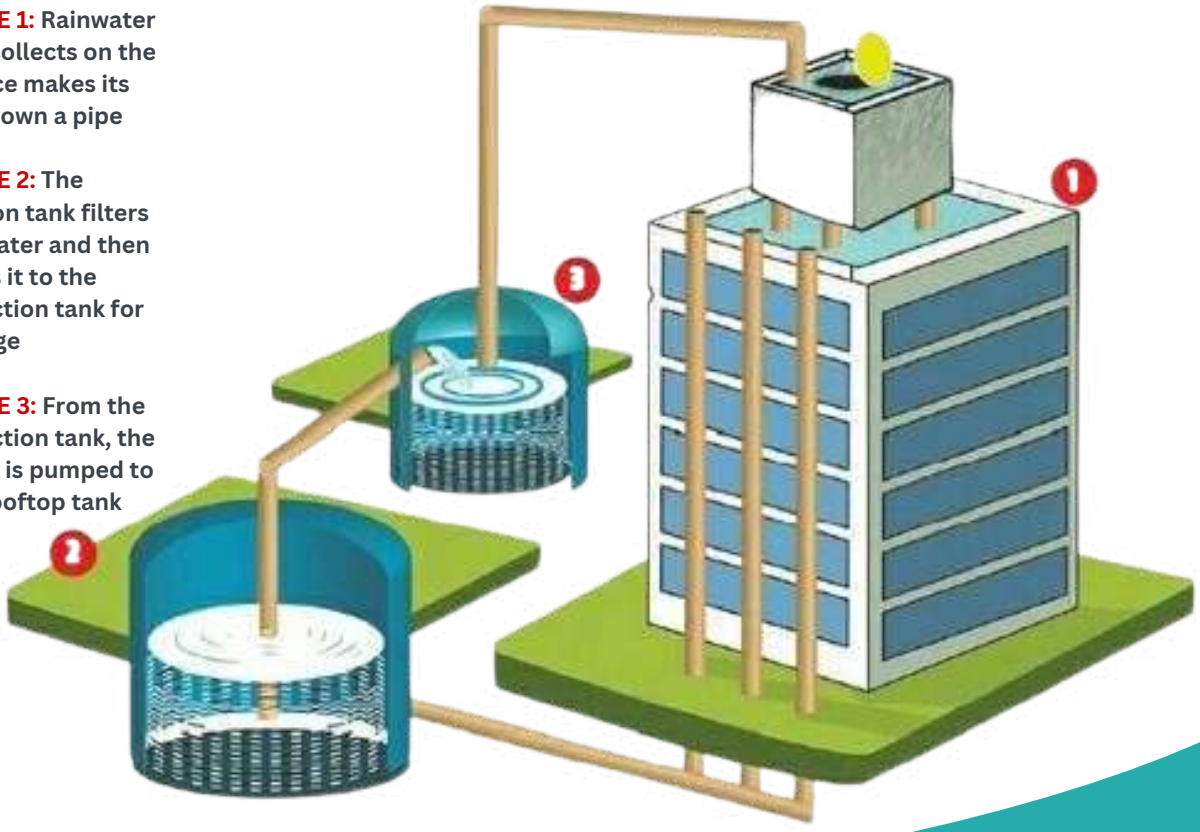
RAIN WATER HARVESTING

Pakistan is facing one of the worst water shortages in its history. Due to population growth, natural disasters and population concentration in developed cities, the provision of safe water is an insurmountable task. However, Pakistan is not in a hopeless state because it is not a “Water Scarce” Country, it’s a “Water Stressed” Country. According to research, every year Pakistan continues to waste Ten Trillion gallons of water due to lack of poor water conservation. However, in order to conserve some of this water there is an alternative solution. Harvesting fresh water that comes with rain. Abamet Pakistan’s engineering experts can provide you with an economical and efficient Rain Water Harvesting System that stores fresh rain water for your utilization

STAGE 1: Rainwater that collects on the terrace makes its way down a pipe

STAGE 2: The suction tank filters the water and then sends it to the collection tank for storage

STAGE 3: From the collection tank, the water is pumped to the rooftop tank



AIR TO WATER GENERATOR

To combat scarcity of water, the engineers and scientists of the world have had to come up with unique and ingenious solutions to provide water, one of these ways is to extract the water present in the very atmosphere itself. Atmospheric Water generation uses the process of condensation of water vapors present in the air to collect water. Abamet Pakistan can provide you with an atmospheric water generator set that meets your needs. Abamet Pakistan uses the ingenuity of technology to adapt to any problem and provide its solution.

ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESGs)

"At Abamet Environmental Technologies Pakistan, we believe sustainability is not an option—it is a responsibility. Guided by the UN Sustainable Development Goals, we design and deliver water and wastewater solutions that conserve resources, protect ecosystems, and improve community well-being. Our commitment to environmental innovation, social impact, and transparent governance ensures that every project we undertake creates lasting value for our clients, society, and the planet."

Environmental Responsibility

At Abamet, environmental stewardship lies at the core of our mission. We design and deliver advanced water and wastewater treatment, recycling, and reuse solutions tailored to modern needs. Our technologies include MBBR, MBR, RO plants, zero-liquid-discharge systems, constructed wetlands, and compact containerized units. By reducing freshwater consumption and minimizing effluent pollution, we actively support circular water economies across Pakistan. Through these efforts, we help conserve ecosystems, protect biodiversity, and create healthier communities.

Social Impact

Abamet is dedicated to creating tangible social value through sustainable water solutions. We deliver reliable sewage treatment plants, effluent treatment systems, and rainwater harvesting technologies to protect public health and reduce waterborne diseases. Our initiatives also improve urban and industrial living conditions while promoting water reuse. By using reclaimed water in landscaping and constructing green wetlands, we enhance communal spaces, support biodiversity, and strengthen natural infrastructure. Beyond water, our work contributes to safer environments, healthier ecosystems, and more resilient communities.

Governance & Ethical Standards

Strong governance is central to Abamet's operations. We comply with all regulatory requirements, including licenses, registrations, and approvals. Transparency, accountability, and ethical conduct guide every project with strict quality control. While our practices already align with sustainability principles, we are working to formalize governance policies and targets. This commitment builds lasting trust with clients, employees, investors, and community partners.

SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Abamet Environmental Technologies Pakistan aligns its vision and operations with the United Nations Sustainable Development Goals, ensuring that our impact extends beyond business to global sustainability priorities.

- **SDG 3** – Good Health and Well-Being: By treating wastewater and reducing pollution, we help protect communities from waterborne diseases and improve public health.
- **SDG 6** – Clean Water and Sanitation: At the core of our work, we provide advanced solutions for water purification, wastewater treatment, and water reuse, securing access to safe and sustainable water resources.
- **SDG 7** – Affordable and Clean Energy: Through integration of solar, wind, and energy-efficient treatment systems, we promote the use of clean and renewable energy in environmental technologies.
- **SDG 9** – Industry, Innovation, and Infrastructure: Our innovative engineering solutions, from compact containerized plants to zero-liquid-discharge systems, strengthen industrial resilience and foster sustainable infrastructure.
- **SDG 11** – Sustainable Cities and Communities: By enabling sewage treatment, rainwater harvesting, and reclaimed water landscaping, we contribute to healthier, greener, and more livable urban spaces.
- **SDG 14** – Life Below Water & SDG 15 – Life on Land: By preventing untreated effluents from entering rivers and soils, and promoting nature-based treatment systems like constructed wetlands and reed beds, we safeguard biodiversity in both aquatic and terrestrial ecosystems.

Through these contributions, Abamet proudly positions itself as a partner in progress, helping Pakistan and the wider world move closer to a more sustainable and resilient future.

HOUSEHOLD DOMESTIC WASTEWATER

Every home generates domestic wastewater from kitchens, bathrooms, laundry, and toilets. This water may look harmless, but it actually carries organic matter, grease, detergents, food particles, and disease-causing microorganisms.

If released untreated, household wastewater can:

- Pollute rivers, lakes, and underground water sources
- Spread diseases such as diarrhea, cholera, and hepatitis
- Create foul odors and unhygienic living conditions

The Abamet Approach

At Abamet Pakistan, we believe clean water is a right for every household. To tackle the challenge of wastewater management, we provide compact and efficient domestic wastewater treatment systems.

Our Panda Box Domestic Wastewater Treatment Plant is:

- Space-saving – needs only 20 sq. ft.
- Powerful – treats up to 1,000 gallons per day
- Cost-effective – reduces dependence on expensive water tankers
- Eco-friendly – allows safe reuse of treated water for gardening, flushing, or groundwater recharge

Why Choose Abamet?

- Reliable, low-maintenance technology
- Designed for Pakistan's household needs
- Sustainable and environmentally friendly

By treating wastewater at the source, Abamet helps families save money, protect health, and conserve water – turning a problem into a valuable resource.

Abamet - Complete Environmental Solutions for Water, Waste & Energy

Smart. Compliant. Turnkey. From packaged containerized plants to full civil builds and long-term O&M, Abamet delivers the full lifecycle of water, wastewater, sludge and solid-waste solutions so industries and communities can meet regulation, cut costs, and reuse water as an asset.

Our Solutions for Industry:

Turnkey Projects — Feasibility → design → supply → civil works → commissioning → handover. We deliver packaged and containerized plants as well as reinforced concrete installations to meet any site condition.

Environmental Consultancy — Site assessments, impact studies, process selection, cost-optimization, and advice on energy recovery and green building upgrades.

Water & Wastewater Systems — Full range, including:

- Effluent Treatment Plants (ETP) for industrial sewage (textile, pharma, chemicals, dairy, refineries).
- Sewage & Greywater Treatment (STP / GWTP) for residential, commercial, and institutional reuse.
- Water Recycling & Reuse Systems (Process and Utility Reuse).
- Membrane solutions — UF, RO (SWRO/BWRO), EDI, MBR for polishing and high-quality reuse.
- Biological processes — MBBR, SBR, and other proven biological trains for robust organic load handling.

Zero Liquid Discharge (ZLD) — Evaporators, sludge crystallizers, and full ZLD trains that eliminate liquid discharge and recover solids where needed.

Sludge & Solids Management — Dewatering and solids handling: filter presses, belt/screw presses, decanters — reduce hauling cost and simplify disposal.

Rainwater Harvesting & Atmospheric Water Generation — Roof and recharge systems plus air-to-water generators to supplement the supply and recharge aquifers.

Alternate Energy & Green Upgrades — Solar/wind integrations and energy-efficiency retrofits to lower OPEX and carbon footprint.

Solid & Hazardous Waste Management — Incinerators and related systems for safe disposal and volume reduction.

Environmental Equipment Supply — Filters, membranes, tanks, pumps, instruments, chemicals, solar panels — sourced from trusted global vendors.

Repairing, Retrofitting & Upgrading — Upgrade underperforming plants to meet stricter discharge rules or higher throughput; convert old plants to energy-efficient green buildings.

Engineering Design & Civil Works — Custom-engineered process designs plus all civil and structural work for on-site plants.

Why Choose Abamet?

- **End-to-end accountability —** One vendor for consultancy, engineering, supply, civil works, commissioning, and long-term O&M: fewer vendors, clearer responsibility.
- **Regulatory confidence —** Systems designed to meet NEQs/SEQs and industry discharge standards so you pass inspections and avoid penalties.
- **Space-smart options —** Containerized and packaged plants plus compact clarifiers and lamella settlers for sites where land is costly or limited.
- **Cost & energy savings —** Efficient processes (less aeration, membrane polishing, optimized sludge handling) and alternate-energy integration reduce lifecycle OPEX.
- **Tech depth & product breadth —** Biological (MBBR, SBR, MBR), membrane (UF/RO/EDI), ZLD, dewatering, and A2W — pick the right train for your effluent and reuse goals.
- **Trusted supply & spares —** Access to global membranes, instruments, and spares reduces downtime and protects performance.
- **Proven local delivery —** Projects and packaged plants delivered across Pakistan with experienced field teams.

Credibility & Assurance

Abamet is registered and recognized with national authorities and trade bodies, including the FBR, Pakistan Engineering Council (C-2), and the Chamber of Commerce, and holds an import/export registration. The company lists a portfolio of executed containerized and industrial projects across Pakistan. These registrations and project history go back to project procurement and government contracting.

PHARMACEUTICALS CLIENTELE

	Getz pharma	EPLA	
Pharma OBS	AGP	HELIX PHARMA	SAAKH PHARMA
Pharmevo	Hoora PHARMA	Himont Pharmaceuticals (Pvt.) Ltd	GUDIA
HAKIM SONS		FEROZSONS LABORATORIES LIMITED	

CLIENTELE

Artistic Milliners	HM Hameda Majeed Extraction	WR eDIBLE oIL rEFINERY	Chevron
asia PETROLEUM	GATRON	INDIGO Textile (Pvt.) Ltd.	LIBERTY
ARTISTIC FABRIC MILLS	RAJBY INDUSTRIES	established in 1989 AGI Aziz Garments Industries	USMAN SONS
Unilever	Dalda	PEPSICO	Hilal ®
	Dawlance	AGTL	

CLIENTELE

KE	ISE	HOUSING DIRECTORATE	ACM HOUSING DIRECTORATE SOUTH
ASKARI XI BEDIAN ROAD, LAHORE			
	BALOCHISTAN FRONTIER CORPS	PAKISTAN AIR FORCE	

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Send Us Message

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(+92) -3332444781

Certificate of Registration

This is to certify that

ABAMET ENVIRONMENTAL TECHNOLOGIES PAKISTAN

AT

B-21, BLOCK-2, GULSHAN-E-IQBAL, KARACHI-75300, PAKISTAN

WORKSHOP-1: PLOT#G-160, PHASE-II, SITE II,
SUPER HIGHWAY, KARACHI, PAKISTAN

has been assessed and certified by Vatsin Certification as meeting the requirements of

ISO 45001 : 2018

(Occupational Health & Safety Management System)

For the following activities

DESIGN, CONSTRUCTION, FABRICATION, SUPPLY, INSTALLATION, COMMISSIONING & OPERATION OF SEWAGE TREATMENT PLANT, WATER TREATMENT PLANT, WASTEWATER TREATMENT & RECYCLING PLANT, FILTRATION & UF PLANT, RO PLANTS, ZLD PLANTS, SEAWATER DESALINATION PLANTS, GREY WATER & RAIN WATER HARVESTING PLANTS, AIR WATER GENERATOR

IAF CODE - 18, 28, 29 & 35

Certificate No : VC23031857

To verify this certificate please visit at **www.vatsincertification.com**

Date of Initial Registration : 06-11-2025
Revision No. : 00
Re-Certification Due : 05-11-2028
1st Surveillance : 05-11-2026
2nd Surveillance : 05-11-2027
Certificate Expiry : 05-11-2028

MSCB-291

Authorised Signatory

VATSIN CERTIFICATION PRIVATE LIMITED

Accredited by IAS (International Accreditation Services, Inc.)
(3060 Saturn Street, Suite 100, Brea, California 92821 United States of America)

* *Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case Surveillance audit is not allowed to be conducted, this certificate shall be suspended/cancelled)*
* *Certificate is the Property of VATSIN CERTIFICATION and shall be returned immediately when demanded.*
* **E-mail :** *info@vatsincertification.com* **Website :** *www.vatsincertification.com*

Certificate of Registration

This is to certify that

ABAMET ENVIRONMENTAL TECHNOLOGIES PAKISTAN

AT

B-21, BLOCK-2, GULSHAN-E-IQBAL, KARACHI-75300, PAKISTAN

WORKSHOP-1: PLOT#G-160, PHASE-II, SITE II,
SUPER HIGHWAY, KARACHI, PAKISTAN

has been assessed and certified by Vatsin Certification as meeting the requirements of

ISO 14001 : 2015

(Environmental Management System)

For the following activities

DESIGN, CONSTRUCTION, FABRICATION, SUPPLY, INSTALLATION, COMMISSIONING & OPERATION OF SEWAGE TREATMENT PLANT, WATER TREATMENT PLANT, WASTEWATER TREATMENT & RECYCLING PLANT, FILTRATION & UF PLANT, RO PLANTS, ZLD PLANTS, SEAWATER DESALINATION PLANTS, GREY WATER & RAIN WATER HARVESTING PLANTS, AIR WATER GENERATOR

IAF CODE - 18, 28, 29 & 35

Certificate No : VC23025200

To verify this certificate please visit at **www.vatsincertification.com**

Date of Initial Registration : 06-11-2025
Revision No. : 00
Re-Certification Due : 05-11-2028
1st Surveillance : 05-11-2026
2nd Surveillance : 05-11-2027
Certificate Expiry : 05-11-2028

MSCB-291

Authorised Signatory

VATSIN CERTIFICATION PRIVATE LIMITED

Accredited by IAS (International Accreditation Services, Inc.)
(3060 Saturn Street, Suite 100, Brea, California 92821 United States of America)

* *Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case Surveillance audit is not allowed to be conducted, this certificate shall be suspended/cancelled)*
* *Certificate is the Property of VATSIN CERTIFICATION and shall be returned immediately when demanded.*
* **E-mail :** *info@vatsincertification.com* **Website :** *www.vatsincertification.com*

Certificate of Registration

This is to certify that

ABAMET ENVIRONMENTAL TECHNOLOGIES PAKISTAN

AT

B-21, BLOCK-2, GULSHAN-E-IQBAL, KARACHI-75300, PAKISTAN

WORKSHOP-1: PLOT#G-160, PHASE-II, SITE II,
SUPER HIGHWAY, KARACHI, PAKISTAN

has been assessed and certified by Vatsin Certification as meeting the requirements of

ISO 9001 : 2015

(Quality Management System)

For the following activities

DESIGN, CONSTRUCTION, FABRICATION, SUPPLY, INSTALLATION, COMMISSIONING & OPERATION OF SEWAGE TREATMENT PLANT, WATER TREATMENT PLANT, WASTEWATER TREATMENT & RECYCLING PLANT, FILTRATION & UF PLANT, RO PLANTS, ZLD PLANTS, SEAWATER DESALINATION PLANTS, GREY WATER & RAIN WATER HARVESTING PLANTS, AIR WATER GENERATOR

IAF CODE - 18, 28, 29 & 35

Certificate No : VC23018519

To verify this certificate please visit at **www.vatsincertification.com**

Date of Initial Registration : 06-11-2025 | **Revision No. : 00**

Re-Certification Due : 05-11-2028 | **1st Surveillance : 05-11-2026**

2nd Surveillance : 05-11-2027 | **Certificate Expiry : 05-11-2028**

MSCB-291

Authorised Signatory

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PROJECT REFERENCE LISTS

S.N	Project Details	Location	Capacity	Technology	Year	Clients
01	Provision of Treated Water line and STP at Gwadar North Cantt	Gwadar	100,000 USGPD	MBBR	2025	MES Army
02	Provision of Sewerage line and 3 x STP	Karachi	200,000 USGPD	MBBR	2025	MES Air
03	STP at Bahawalpur Garrison	Bahawalpur	100,000 USGPD	MBBR	2025	MES Army
04	Filtration Plant x4	Sakrand	40,000 USGPD	RO Plant	2025	MES Army
05	ETP at Haidri Beverages Limited	Rawalpindi	600,000 USGPD	Extended aeration system	2025	PepsiCo
06	ETP at Northern bottling company	Peshawar	300,000 USGPD	MBBR	2025	PepsiCo
07	Provision of STP	Hyderabad	100,000 USGPD	MBBR	2022	MES Army
08	ETP for Packages Mall	Lahore	100,000 USGPD	MBBR	2024	Packages Real Estate
09	Pattoki Cantt	Pattoki	35,000 USGPD	MBBR	2023	MES Army
10	FWO STP	Rawalpindi	24,000 GPD	SBR System	2025	FWO HQ
11	Quetta Golf Club Upgradation	Quetta		MBBR	2024	MES Army
12	Farhad Complex 45 Div filtration system	Rawalpindi	10,000 USGPD	UF filtration system	2024	45Div HQ
13	Supply and Installation of Water Recycling	Karachi		RO Plant	2022	Hilal Foods
14	Provision of new Sewagae Treatment Plant	Karachi	4,000 USGPD	SBR System	2023	Chevron Lubricants
15	Installation of WWTP at Essity Pakistan Limited	Karachi	2,000 USGPD	SBR System	2025	Essity
16	ETP at Ferozesons	Peshawar	50,000 USGPD	SBR System	2022	Ferozson Laboratories
17	STP at PAF Base Shahbaz	Jacobabad	500,000 USGPD	SBR System	2022	MES Air
18	STP at MHS Garrison	Bahawalpur	50,000 USGPD	MBBR	2022	MES Army
19	STP at Staff line	Karachi	20,00 USGPD	SBR System	2022	MES Army
20	5 Corps HQ	Karachi	15,000 USGPD	SBR System	2022	MES Army

S.N	Project Details	Location	Capacity	Type	Year	Clients
21	Iqbal line	Karachi	50,000 USGPD	SBR System	2022	MES Army
22	Malir Cantt	Karachi	50,000 USGPD	SBR System	2022	MES Army
23	Sakrand Cantt	Karachi	50,000 USGPD	SBR System	2021	MES Army
24	Sarwar line Quetta	Quetta	25,000 USGPD	MBBR	2021	MES Army
25	Baral Colony Mangla	Mangla	15,000 USGPD	MBBR	2021	MES Army
26	Bath Island	Karachi	5,000 USGPD	SBR System	2021	MES Army
27	Golf club	Quetta	50,000 USGPD	MBBR	2021	MES Army
28	STP at Army House Block C	Rawalpindi	15,000 USGPD	SBR System	2022	Askari Housing
29	National park Colony	Rawalpindi	10,000 USGPD	SBR System	2022	Askari Housing
30	Askari Villas Ammaar Chowk	Rawalpindi	10,000 USGPD	SBR System	2022	Askari Housing
31	Chaklala Garrison	Rawalpindi	15,000 USGPD	MBBR	2018	MES Army
32	Soldier's Colony	Turbat	30,000 USGPD	Activated Sludge	2018	Frontier Corps
33	STP at South Cantt	Gwadar	50,000 USGPD	MBBR	2021	MES Army
34	Recycling System	Karachi	300,000 USGPD	MCR	2025	Rajby Industries
35	ETP at Getz Pharmaceuticals	Karachi	70,000 USGPD	MBBR	2016	Getz Pharma
36	ETP at Sami Pharmaceuticals	Karachi	30,000 USGPD	MBBR	2018	Sami Pharma
37	ETP at Pharmevo	Karachi	20,000 USGPD	MBBR	2017	Pharmevo
38	ETP at OBS	Karachi	25,000 USGPD	Activated Sludge	2018	OBS Pharmaceuticals
39	ETP at SAAKH Pharmaceuticals	Karachi	20,000 USGPD	Activated Sludge	2018	Saakh Pharma
40	ETP at Gudia Pharma	Karachi	10,000 USGPD	SBR System	2025	Gudia Pvt. Ltd.
41	ETP at Gatron Industries	Hub	50,000 USGPD	SBR System	2021	Gatronova Industries
42	ETP at AGP Pharmaceuticals	Karachi	5,000 USGPD	SBR System	2018	AGP Pharmaceuticals
43	ETP at Himont Laboratories	Lahore	5,000 USGPD	SBR System	2019	Himont Pharmaceutical
44	ETP at Epla Laboratories	Karachi	5,000 USGPD	SBR System	2020	Epla Laboratories
45	ETP at Helix	Karachi	5,000 USGPD	Extended aeration system	2019	Helix Pharm
46	ETP at Hakimsons	Karachi	5,000 USGPD	Extended aeration system	2019	Hakimsons Pharma
47	WWTP with filtration system at DPL1	Karachi	10,000 USGPD	SBR System	2021	Dawlance
48	WWTP at DPL 2	Karachi	25,000 USGPD	MBR	2019	Dawlance
49	ETP at Artistic Milliners AM4	Karachi	600,000 USGPD	Extended aeration system	2016	Artistic
50	ETP at Artistic Milliners AM14	Karachi	300,000 USGPD	Extended aeration system	2014	Artistic

KEY PROJECTS IN PHARMACEUTICAL SECTORS

Moving Bed Bioreactor (MBBR) Containerized Wastewater Treatment Plant 30,000 GPD

Moving Bed Bioreactor (MBBR) Containerized Effluent Treatment Plant 70,000 GPD

EPLA

Client: EPLA Laboratories Technology: Sequential Batch Reactor (SBR) Capacity: 2,000 Gallons/day Description: Fully automated civil-based underground wastewater treatment plant

SAAKH PHARMA

Client: Saakh Pharma Technology: Integrated fixed film activated sludge Capacity: 20,000 Gallons/day Description: Fully automated containerized wastewater treatment plant

Client: Saakh Pharma Technology: Integrated fixed film activated sludge Capacity: 20,000 Gallons/day Description: Fully automated containerized wastewater treatment plant

Client: OBS Pharma Technology: Activated Sludge Capacity: 20,000 Gallons/day Description: Fully automated containerized wastewater treatment plant

Client: AGP Technology: Sequential Batch Reactor Capacity: 7,000 Gallons/day Description: Fully automated underground wastewater treatment plant

Client: OBS Pharma Technology: Activated Sludge Capacity: 20,000 Gallons/day Description: Fully automated containerized wastewater treatment plant

KEY PROJECTS IN RESIDENTIAL SECTORS

Shami Line Hyderabad Cantt

Client: MES-ARMY
Technology: Activated Sludge Capacity: 15,000 GPD

Iftikhar Line Hyderabad Cantt

Client: MES-ARMY
Technology: Activated Sludge Capacity: 50,000 GPD

South Cantt Gwadar

Client: MES-ARMY Technology: Activated Sludge Capacity: 50,000 GPD

Golf Club Quetta Cantt

Client: MES-ARMY Technology: Activated Sludge Capacity:30,000 GPD

Chaklala Garrison

Client: MES-ARMY Technology: MBBR Activated Sludge Capacity: 15,000 GPD

National Park Colony

Client: MES-ARMY Technology: Sequencing Batch Reactor Capacity: 10,000 GPD

Sarwar Colony Quetta

Client: MES-ARMY Technology: MBBR
Activated Sludge Capacity: 15,000 GPD

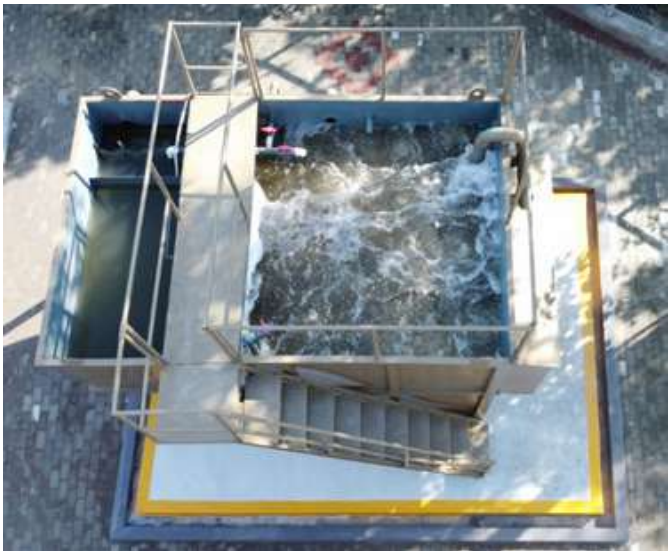
National Park Colony

Client: MES-ARMY Technology:
MBBR Sewage Treatment Plant
Capacity: 50,000 GPD

Sakrand Cantt.

Client: MES-ARMY Technology: SBR Sewage Treatment Plant Capacity: 50,000 GPD

Mangla Cantt.



Client: MES-ARMY Technology: MBBR Sewerage Treatment Plant Capacity: 8,000 GPD

Askari Villas

Client: Housing Directorate Technology: SBR
Sewage Treatment Plant Capacity: 15,000 GPD

Iqbal Lines, Karachi Cantt

Client: MES Army Technology:
SBR Sewage Treatment Plant
Capacity: 50,000 GPD

Block C Army house

Client: Housing Directorate. Islamabad
Technology: SBR Sewage Treatment Plant
Capacity: 15,000 GPD

Iqbal Lines, Karachi Cantt

Client: MES Army Technology:
SBR Sewage Treatment Plant
Capacity: 50,000 GPD

Baloch Officer's Mess, Karachi Cantt

Client: MES Army Technology: SBR Sewage Treatment Plant Capacity: 5,000 GPD

Malir Cantt

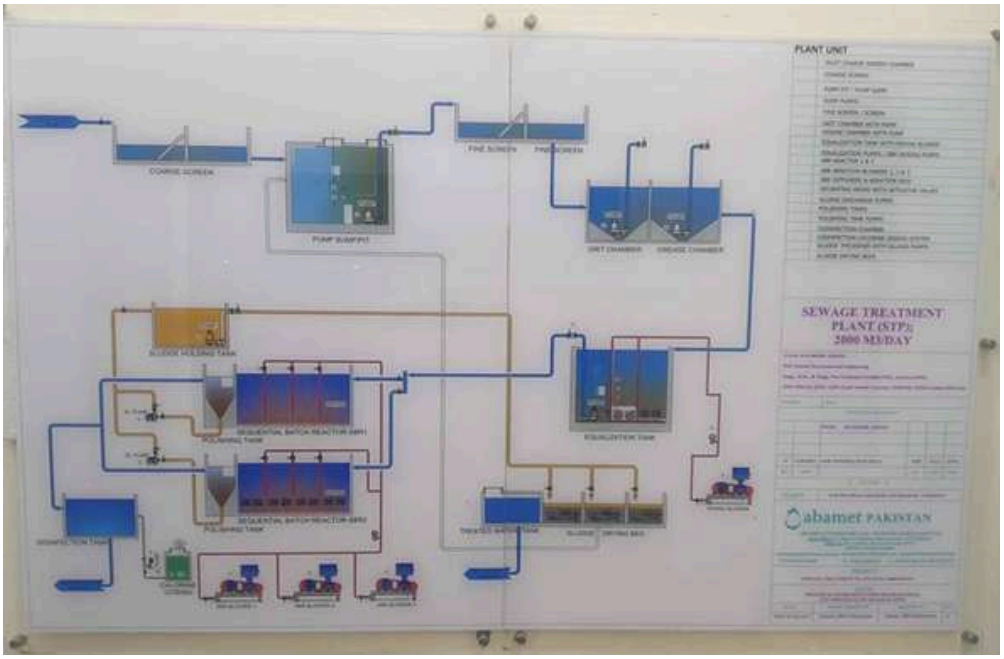
Client: MES Army Technology: SBR Sewage Treatment Plant Capacity: 50,000 GPD

PAF BASE SHAHBAZ, JACOBABAD

Google Earth Image

Client: MES Air
Technology: Sequencing Batch Reactor
Capacity: 500,000 GPD
Extendable up to 1MGD
Civil based Sewage Treatment Plant

PAF BASE SHAHBAZ, JACOBABAD



Grey Water Treatment Plant Div 45

Client: MES Army Technology:
Sand - Carbon Filter and ultrafiltration
Capacity: 50,000 GPD
Containerized Packaged System

WATER RECYCLING PLANT WITH MEMBRANE BIOREACTOR AND FILTRATION

Baloch Officer's Mess, Karachi Cantt

Client: MES Army Technology: SBR Sewage Treatment Plant Capacity: 5,000 GPD

Malir Cantt

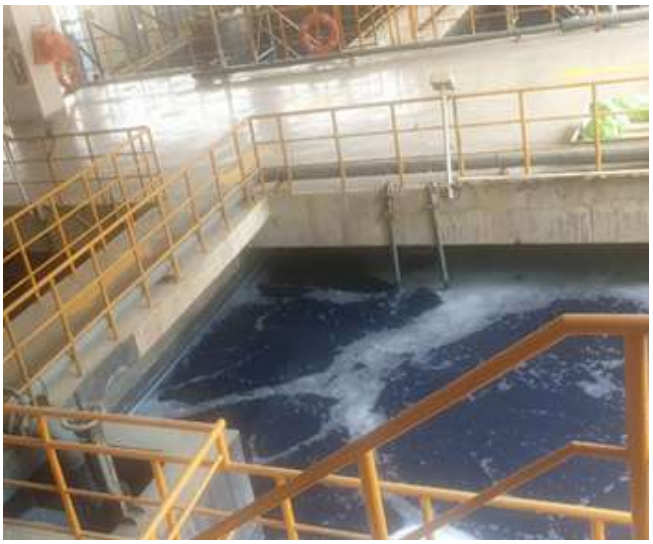
Client: MES Army Technology: SBR Sewage Treatment Plant Capacity: 50,000 GPD

KEY PROJECTS IN TEXTILE SECTORS

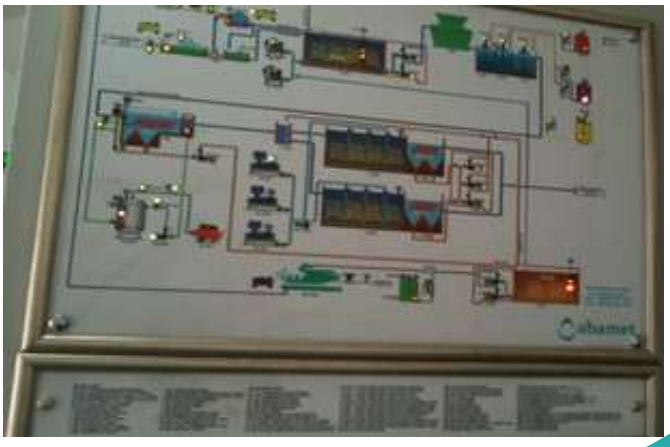
Akhter Textile Mills

Artistic Milliners AM-4

Artistic Milliners AM-14



Indigo Textile Mills



Gatronova Industries

KEY PROJECTS IN FOOD SECTORS

Dalda Foods Limited

Client: Unilever Tea Factory, Khanewal
Technology: MBBR System - Civil above ground system
Capacity: 50,000 GPD Containerized Packaged System

Unilever Tea Factory

Client: Unilever Tea Factory, Khanewal
Technology: Sand - Carbon Filter and ultrafiltration
Capacity: 80 cubic meter per day Containerized Packaged System

OTHER KEY PROJECTS

Asia Petroleum

25,000 GPD MBBR containerized Wastewater Treatment Plant

Chevron Lubricants Pakistan

SBR containerized Wastewater Treatment Plant 5,000 GPD

Dawlance Private Limited DPL -1

Sequencing Batch Reactor Wastewater
Treatment Plant and Recycling Unit Civil based
System 20,000 GPD

Dawlance Private Limited DPL -2

Membrane Bioreactor (MBR) wastewater
Treatment Plant Containerized / Packaged
System 20,000 GPD

PARTNERS WITH

Global Environmental
Engineering Technologies

Abamet Environmental Technologies Pakistan