

COMPANY PROFILE



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INTRODUCTION

FM AQUA SOLUTIONS Provides Reliable, One-Stop Services for Water Treatment, WasteWater Treatment , Treated WasteWater Recycling and Environmental Solutions.

FM AQUA SOLUTIONS is the Exclusive Representative of Microlife Bacterial Products in Pakistan. We Offer Specialized Expertise in these Field

FM AQUA SOLUTIONS is a Company of Skilled , Experienced, and Committed Professionals who Provide Services Efficiently and meet Client Needs.

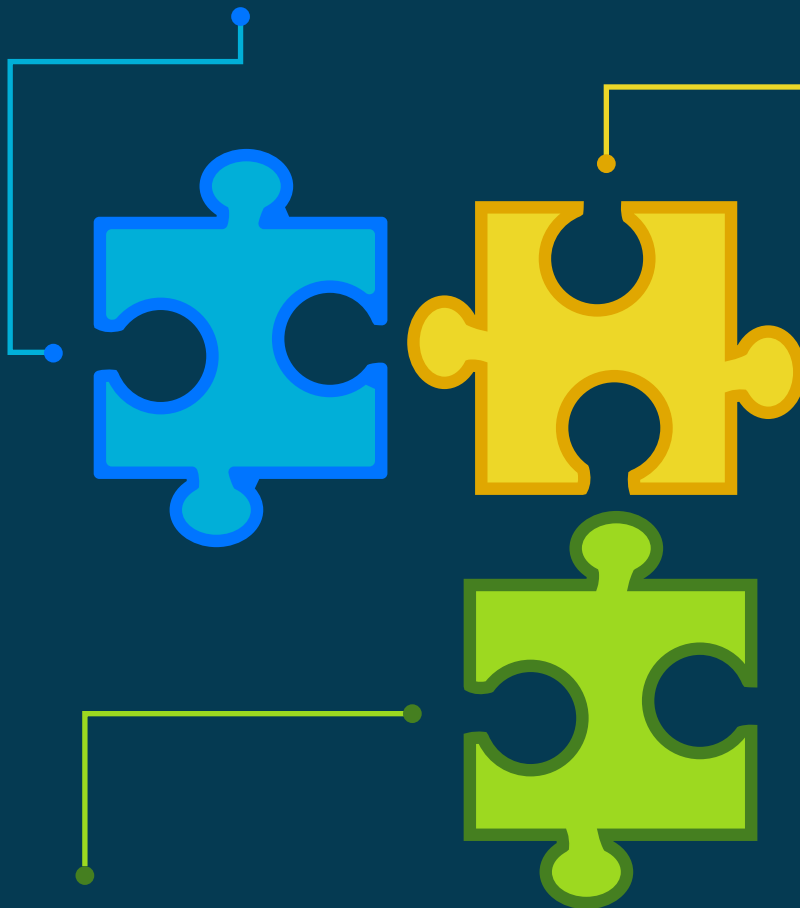
Our Experts Hold Professional Degrees From Top Foreign and National Universities in Environmental Engineering ,Environmental Science , Civil Engineering , Mechanical Engineering , Electrical Engineering, and Chemical Engineering.

Our Expertise Includes One-Stop Solutions for Water and WasteWater Treatment , Wastewater Treatment Chemicals ,Environmental Compliance, Plant Audits , Baseline Studies , Project Management, Operation Supervision, and Training.

Mission ,Vision and Goals

OUR MISSION

Our Mission is to Deliver Exceptional Professional Services and Consultancy in Water, Wastewater, and Environmental Sustainability. We are Dedicated to Helping Clients Achieve Efficient, Sustainable Operations and Meet Their Environmental Goals. With Our Expertise, We Aim to Be The Trusted Partner For All Water and Environmental Solutions.



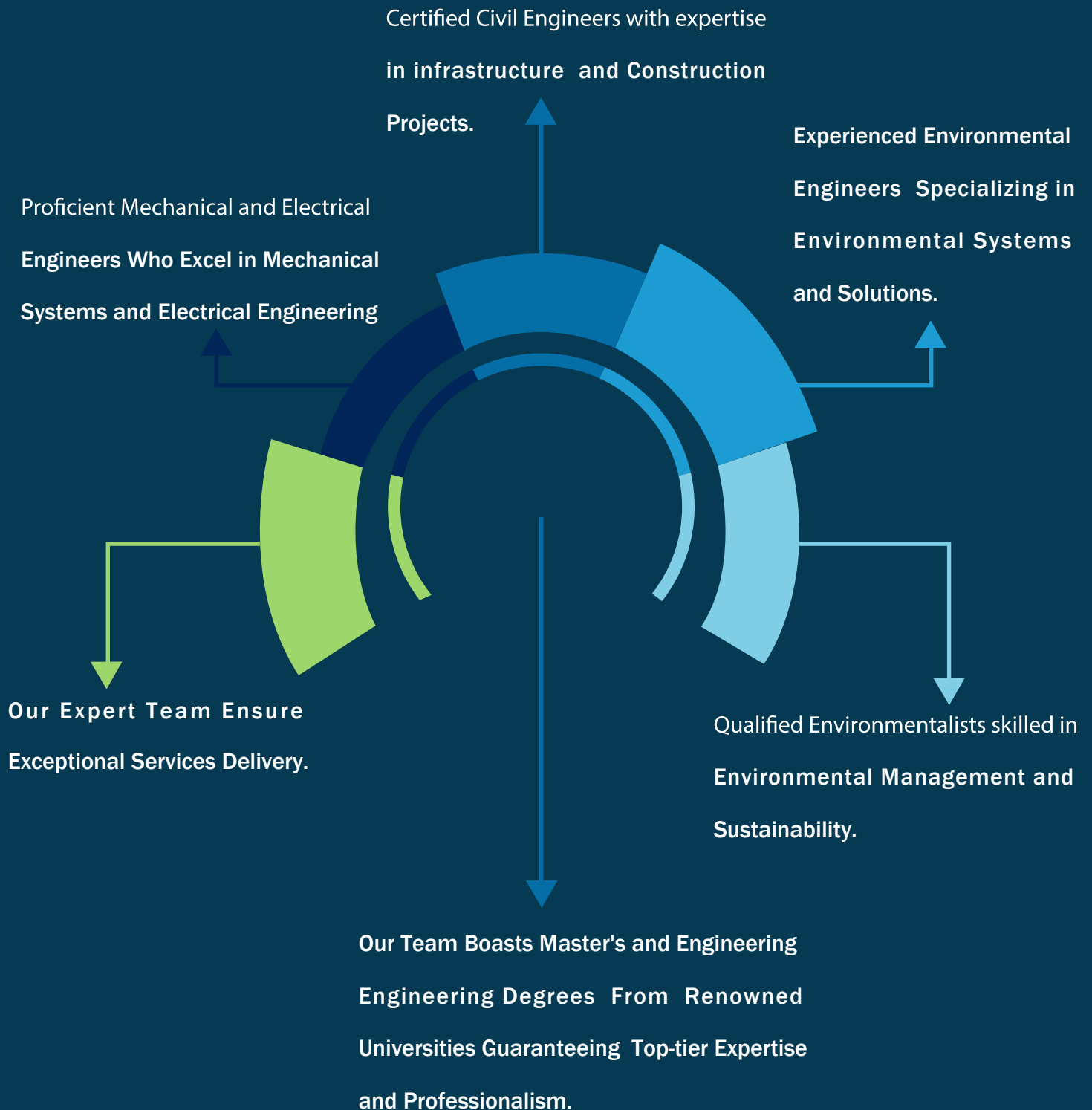
OUR VISION

Our Vision is to Provide Honest, Dignified Service and Consultancy While Upholding Quality and Sustainability. We are committed to fulfilling Our Promise and Fostering Our Team's Growth to Ensure Exceptional Service and Ongoing improvement.

OUR GOAL

Our Goals are to Deliver High - quality Services, Provide The Most Suitable Solutions and Systems, We Offer Cost-Effective Options ,and Maximize Productivity Efficiently.

Team Expertise

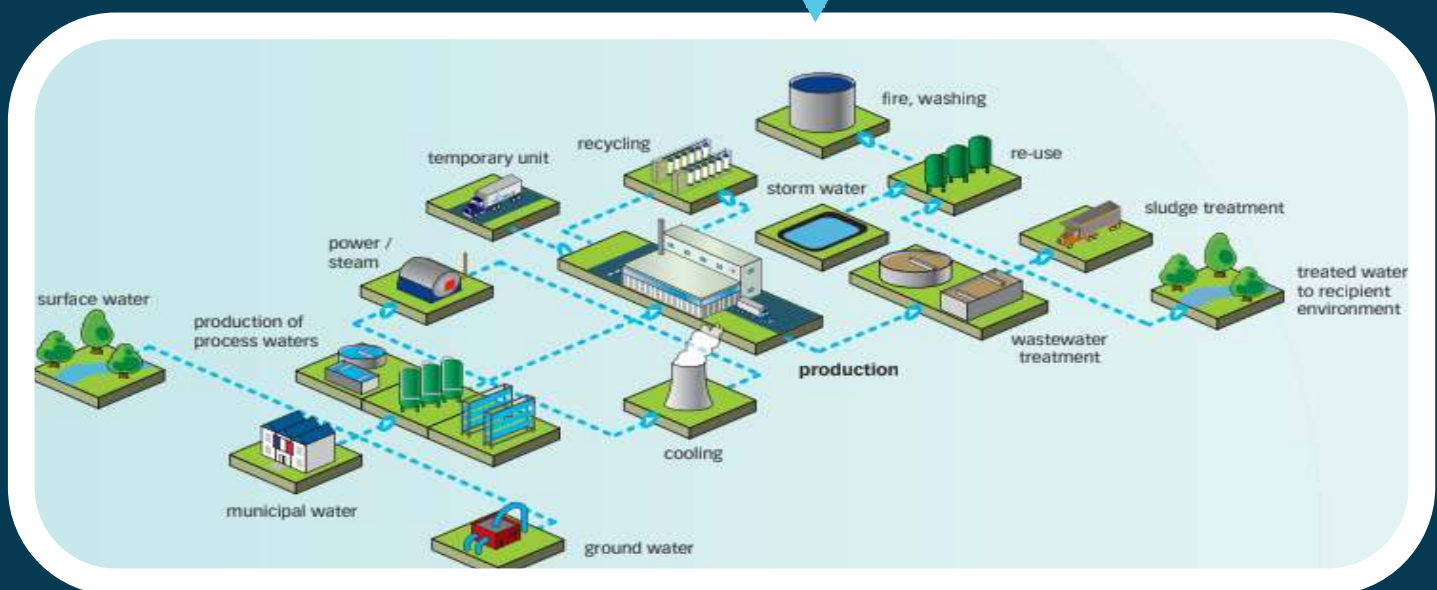


Scope of Services

FM AQUA SOLUTIONS Offers a Full Range Of Services in Environmental and WasteWater Treatment. Our Expertise includes Baseline Studies , Sampling , Monitoring , Designing , Installation , Commissioning , Operations and Project Supervision . We Ensure All Environmental Concerns are Addressed through Comprehensive Planning, Engineering, and Construction Processes. Our Services Includes:

Baseline Studies

- ✦ Planning According to The Client Requirement, Budget, available Space and Timeframe.
- ✦ Selection of Best Economical Technology and Process according to The Industry and Characteristics of Discharge..
- ✦ Evaluation of Received Proposals From Different Supplier of WasteWater Treatment Plants.



Complete Solution

Comprehensive WasteWater Treatment Solutions, Including Design, Fabrication , Procurement , Supply, Installation , Commissioning, Operations, and Staff Training for Civil, Mechanical, Electrical, and Laboratory Setup, Ensuring SmoothStartup and Operation of The WasteWater Treatment Plant.



Chemical Supply, Selection and Dosage Optimization for ETP

We Supply a Wide Range of Treatment Chemicals and Biological Products for WasteWater Systems, along with Expert Chemical Selection and Dosage Guidance based on Jar Testing and other Methods..



ETP Audits and Preperation

ETP Assessment, Auditing, Pre Auditing and Preparations for audits.



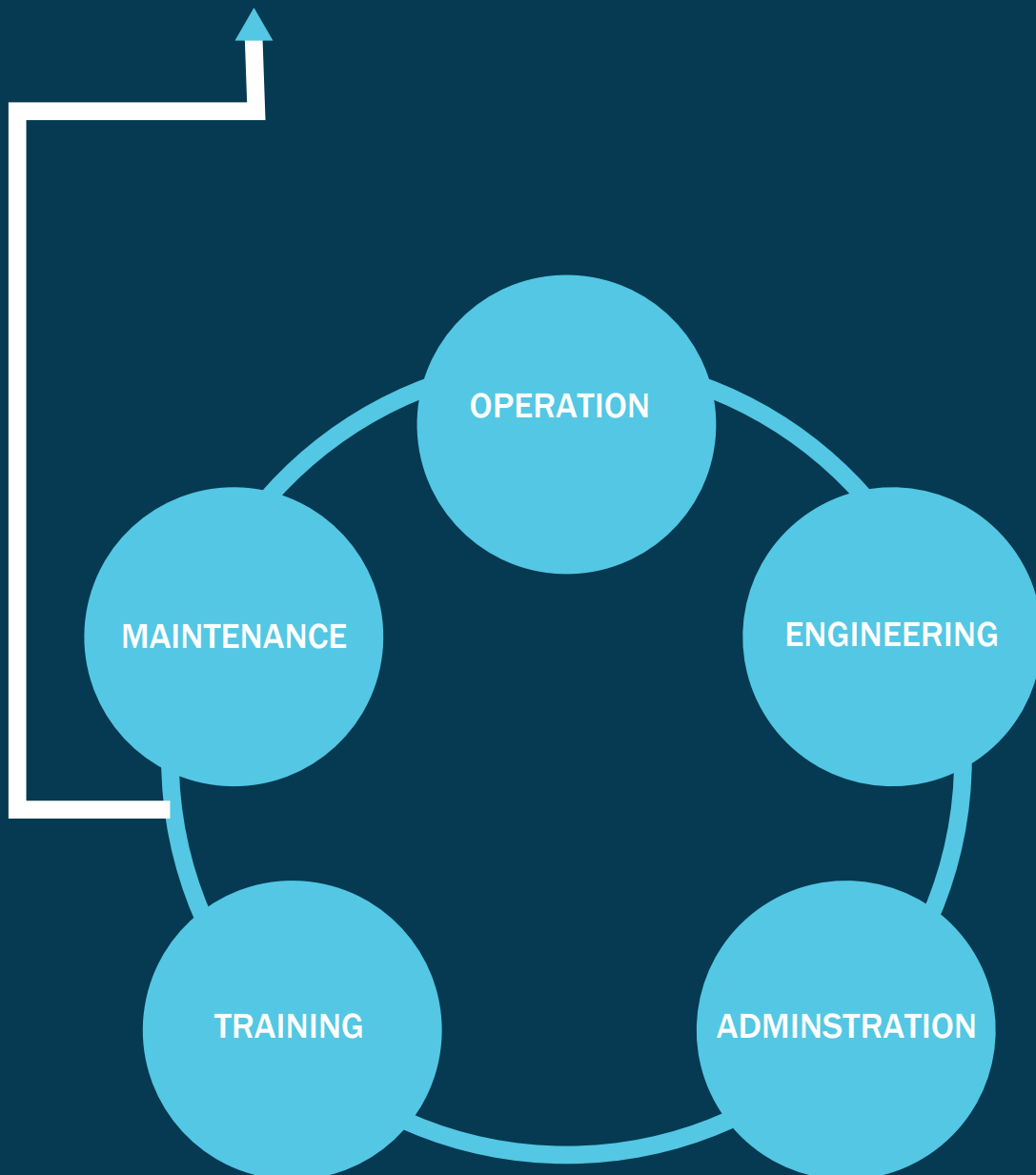
Wastewater Treatment Plant Upgradation

Evaluation / Supervision of Waste Water Treatment Plant



Wastewater Treatment Plant Operations Oversight

Supervision and assurance of efficient operation of the wastewater treatment plant, ensuring it runs according to its design capabilities..



Supply of the WasteWater Treatment Plant Equipment



Centrifugal Pumps



**Root Blowers
(New and Refurbished)**



**Chemical Dosing
Pumps.**



Submersible Pumps



**Coarse Bubble Diffusers
(Disc and Pipe Type)**



**Sludge Progressive
Cavity Pump.**



Clarifier Scrappers



MBR (Membrane bio Reactor)



**Screw Type Sludge
Dehydrater**



Static Screen



**Flow Travelling
Band Screen**



**Mechanical Rotary
Bar Screen**



Self Cleaning Screen



PH Controller



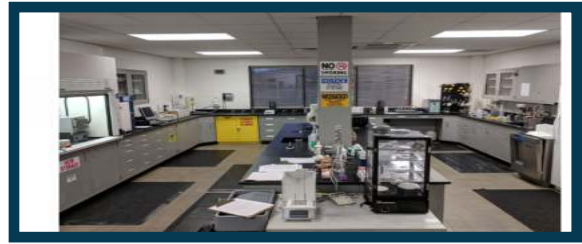
DO Controller



Sensor



Flow Meter



**Complete WWTP Laboratory
Managment**



**Dissolve Air
Flotation**



**Ultra Filtration
System**



Gear Motors



SCADA System

WasteWater Treatment Chemical

Water Decoloring Agent



Coagulants

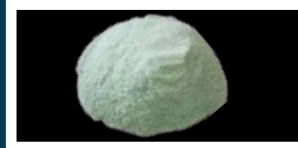
PAC(Poly aluminium chloride)



Alum



Ferrous Sulphate



Lime



and other Chemical etc

Flocculants

Ploycrylamide

(Anionic)



(Cationic)



and other Chemical etc

Bacterial Product

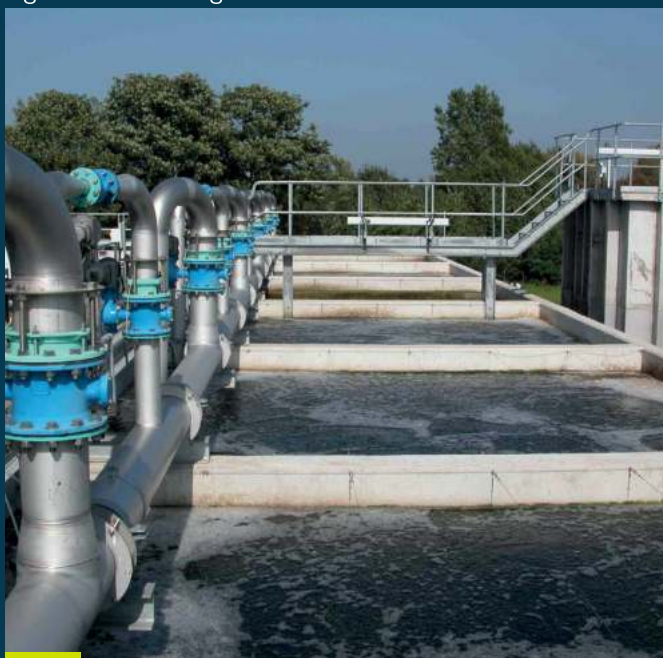


BIOLOGICAL TREATMENT OF INDUSTRIAL WASTE WATER PROPERTIES

DCT series of products provide the biologic degradation of industrial wastes, with the selected strains of microorganisms that they include. The products start the decomposition of long carbonic, aromatic, halogenic and non-halogenic chemical chains by means of biologic oxidation and dehalination.

APPLICATION AREAS

Urban and industrial waste water treatment plants. Urban and industrial sewer systems. Treatment of polluted soils by Industrial wastes. Treatment of polluted sea lake, lagoon and running waters.



MODE OF ACTION

The selected microorganisms with their long lasting action, fixed on mineral supports degrade the chemical and organic compounds. Once the long molecular chains of compounds are broken down to simpler ones and the high COD values are decreased, then the natural flora is reactivated and another degradation starts. The specific selected microorganisms show a long lasting effect while the enzymes in the products start a rapid breakdown that eases the work of microorganisms.



APPLICATION

Before application DCT series of products must be diluted in 1:20 ratio of calm water at 30–40°C for a time of about 10–15mn. General dose is 4gr for each 10kg of COD to be degraded per week. For the correct use of these products in waste water treatment plants please ask the consultancy of our technical department. Please also check the pH and C/N/P ratio before the application.

PACKING AND HANDLING

Plastic jars of 500gr in boxes of 16gr. Shelf life is 2 years from the date of production. Can be kept at 0–40°C dry room temperature when not exposed to direct sunlight. Avoid from freezing and humid air.

COMPOSITION

Microorganisms with long lasting effect fixed on mineral supports.

Presentation: Micronised powder

Granulometry: 160 microns

Density: 0.9–1

Smell: None

Color: Light brown

pH value in saturated solution: 6.5–7.5

SAFETY

Includes CLASS 1 microorganisms that do not require any special precautions during application, forwarding or storage. For further information please revert to material safety data sheet of the product

FM AQUA SOLUTIONS CLIENT LIST



FMAS EXPERTS EXPERIENCE IN WWTP DESIGNING AND INSTALLATION



FMAS EXPERTS EXPERIENCE IN WWTP OPERATION AND MAINTENANCE



LETTER OF AUTHORIZATION:



Letter of Authorization

We Kazanci Çevre Tekniği Biyoteknoloji Mühendislik San. ve Tic. Ltd. Şti.
as the producer of Microlife bacterial products appoint

FM Aqua Solutions

**With its head office at Plot No. LS 1 (ST8), Sector 6B, North Karachi Industrial
Area, Karachi, Pakistan.**

as the authorized distributor of our above mentioned products for the territory of
Pakistan

This authorization is valid until 31st December 2025 and following this date can be
renewed upon the approval of all parties.

KAZANCI ÇEVRE TEKNİĞİ
BİYOTEKNOLOJİ MÜHENDİSLİK
SAN. VE TİC. LTD. ŞTİ.
Hesaplar Servisi : 03 1007 1 0216 3372237
Kadıköy / D : 541 002 8287

Nevin ULUCAK



Contact Us

 +92 343 2033988

 faisal@fmaspak.com

 www.fmaspak.com

 Plot No. LS-1, St-8, Sector 6B, North Karachi
Industrial Area, Karachi, Pakistan

Sourcing:

