

World Class Water & Environmental Engineering. Local Access.



More than
12 YEARS OF
EXCELLENCE
in Water engineering

Up to **40%**
Cost Reduction in
Civil Construction

20%-50%
Reduction in Energy
Consumption

30-100%
Wastewater
Reuse

About Aquatechnics

Each drop of the #bluegold we recover, is a drop recovered for our children's future.



From 2010, when we began in a humble manner, we have been serving customers most responsibly and have become a highly regarded company in Water & Wastewater treatment segment over the years. With our presence extended to Solid Waste Management and other Environmental Services, Aquatechnics is maturing into an Environmental player with a wide spectrum of solutions in the Water & Environmental Space. We have consistently outperformed the expectations of the customers and investors by providing Win-Win solutions over the years.



Mission

To be the most trusted and dependable Water and Environment company in the country and take part in the transformation of the market with local and cost effective access to World class technology.

Vision

Increase access to State of the Art technology, Tools and Customer service in the Water and Environmental Sector and accelerate the progressive transition of Environmental Protection.

Our Leadership Team

Knowledgeable, Reliable, Dependable.

A young, reliable and dependable team is what makes us unique. Being spent a decade in the Market providing solutions that helped us save the most precious resource of our planet, we have evolved in expertise and experience in Water, Wastewater and Environment.



B Rajesh Kumar
CMD

Rajesh is a time tested and matured Water systems engineer. He has been associated with several projects in India and the MEA in the past. As a founder and an integral part of the company, Rajesh has been instrumental in leading the company into a highly successful market positioning.



P Pushpakumar
CEO

Pushpakumar is a Chemical Engineer and Chief Executive of the company. Across a career spanning a decade and a half, he has worked for various contractors / associates in Gas Processing, Construction and Water. Being associated from inception, he has been a chief strategist and has helped transform the company and develop our vision forward.



S Dileep
Director - Technical

Dileep is a Chemical Engineer with many years of experience in R&D, Process Development, FEED and Detailed Engineering and Commissioning in diverse industries and MNCs which has helped in the development of our think tank and technical capabilities over the years.



PB Shemi
Director - Projects

Shemi is a Computer Engineer by training and has been part of the operations team through the period of transition in Aquatechnics. Her inputs have taken our operations team achieve great heights by increased efficiency, time bound deliveries and continuous improvement.



Prince Kuriakose
Director-Procurement & Admin

Prince Kuriakose has close to 15 years of experience in managing operations in diverse sectors such as Hospitality, Shipping and Logistics in the MEA. He brings to the organization his tremendous experience in global and multicultural environments.

Why Aquatechnics ?

Because Every drop counts, and every penny.



By saving each drop of water or **#bluegold** from contamination, we are saving them for our future generations. It really matters in a country in a fierce scare of droughts too early into its development plans. Indian population is reaching 1.6 Bn by 2050 while more than 20 of our cities may run dry of groundwater before 2030 going by present estimates.



In 2019, each day, over **65,00,000 litres of Wastewater** from multiple sources were treated in 70+ plants by Aquatechnics before it reached back to the ground.



More than 40% reduction of Civil Construction cost is ensured with newer technology, from conventional plants and attached growth technologies to state of the art MBRs.



More than 50% of nutrient removal in our plants require no energy and real time monitoring can help to **reduce Energy consumption by a further 20%**.



A minimum 30%, and up to 100% Reuse of treated wastewater can be provided in well designed systems, thus protecting the **#bluegold** for our future generations.

Our Values

If ideas are accelerators, values are our brakes. We believe strongly that these values are the guiding forces which would take us to greater success.

Action bias

At Aquatechnics, we expect each of us to act fast. When times are tough, we keep us highly action oriented and dynamic to get us to our results by taking action and leading by example.

Dependability

A high level of trust in our team, technology and tools help us to make ourselves the most dependable player in our sector by continuous improvement, being shaped through continuous customer feedback.

Innovation

Each day and at each level, innovation comes at a cost of time to think and the risk of acceptance. Being continuously innovating is a value that drives us forward each day.

Transparency

A transparent work environment leads to greater trust. We are a less layered team with a very transparent ecosystem within the team and with the customers thus setting right expectations every time.

Projects

A wide spectrum of Environmental Projects and Products in Water, Wastewater and Solid Waste Management.

Projects / Products

- ▶ Water & Wastewater Treatment Plants
- ▶ Skid mounted and modular Plants
- ▶ Solid Waste Management and Biogas Plants

Components

- Fluid Transfer Equipment
 - ▶ Pumps
 - ▶ Air Blowers
 - ▶ Dosing pumps
 - ▶ Aeration Systems
- Chemicals
- Speciality Chemicals
- Engineered Plastics
 - ▶ MBBR Media
 - ▶ HAF Media
 - ▶ Tubesettler Media
- RO & UF
- Filtration Media
 - ▶ Sand & Pebbles
 - ▶ Activated Carbon
 - ▶ Iron Removal Media
 - ▶ DM & IEx Resins
- Control & Switchgear
- Instrumentation
 - ▶ Pressure, Flow, Temperature & Level
 - ▶ pH, TDS, ORP
 - ▶ DO Monitoring
 - ▶ Real time Plant Monitoring



Services

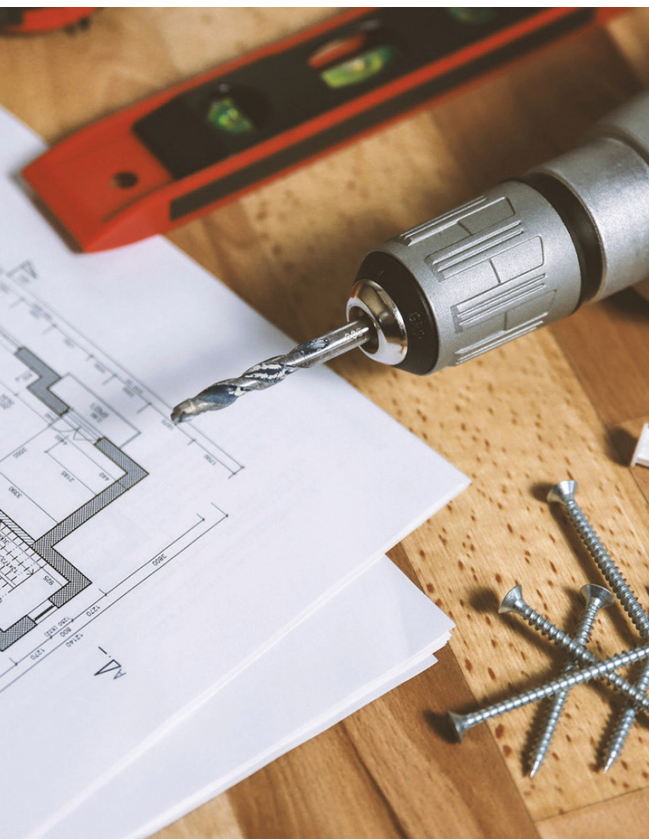
At Aquatechnics, we assure our clients of the best in class Engineering and Maintenance Services, meeting or exceeding the customer's expectations every single time.

Engineering Consultancy

- ▶ Environmental Consulting
- ▶ Conceptual and FEED Engineering
- ▶ Water & Environmental Auditing
- ▶ Liaising for Statutory Approvals

Maintenance, Repairs & Retrofitting

- ▶ Inspection & Troubleshooting
- ▶ Operation & Maintenance Contracts
- ▶ Annual Maintenance Contracts
- ▶ Rate Contracts for Consumables & Chemicals
- ▶ Equipment Maintenance, Repairs & Replacements
- ▶ Replacement of Membranes & Filter Media
- ▶ Instrument Calibration & Checking
- ▶ Water Analysis & Reporting
- ▶ Training to Staff & Operators
- ▶ Community Training
- ▶ Manuals & Operating Logs Development



Our Expertise

With hundreds of installations in the Water and Wastewater sector with varying complexities and challenges, we have grown by leaps and bounds into a leading player in our part of the globe. With State of the Art technology and optimized operations, our plants offer excellent results and cost competitive operation.

Water Treatment

- ▶ Media Filtration
- ▶ Membrane Technology
- ▶ Ultrafiltration
- ▶ Nanofiltration
- ▶ Reverse Osmosis
- ▶ Demineralization & Ion Exchange
- ▶ Disinfection
- ▶ Ultraviolet Sterilization
- ▶ Chlorination
- ▶ Ozonation
- ▶ Other Disinfection Systems
- ▶ Agricultural Water Treatment

Sewage & Effluent Treatment

- ▶ Membrane Bioreactor (MBR)
- ▶ Moving Bed Bioreactor (MBBR)
- ▶ Sequential Batch Reactor (SBR)
- ▶ Submerged Aerobic Fixed Film Reactor (SAFF)
- ▶ Anaerobic Bioreactors
- ▶ An-MBR / An-UF
- ▶ Electrocoagulation
- ▶ Zero Liquid Discharge Systems (ZLD)
- ▶ Advanced Oxidation Processes
- ▶ Oil and Grease Removal
- ▶ Sludge Dewatering and Management
- ▶ Dissolved Air Flotation

Water Management

- ▶ Agricultural Water Management
- ▶ Aquaculture
- ▶ Rainwater Harvesting
- ▶ Pond and Lake Bioremediation

Solid Waste Management

- ▶ Biogas Plants
- ▶ Sludge Reuse in Agriculture
- ▶ High Rate Composting
- ▶ Waste to Energy

Sectors we serve

Domestic & Commercial

- ▶ Municipal Water & Sewerage
- ▶ Hospitals
- ▶ Apartments
- ▶ Malls and Commercial Complexes
- ▶ Religious Centers
- ▶ Educational Institutions
- ▶ Bus Terminals
- ▶ Auditoriums & Cinema Halls
- ▶ Stadiums
- ▶ Fish & Vegetable Markets
- ▶ Community Housing Colonies
- ▶ Farms & Agriculture
- ▶ Aquaculture
- ▶ Agricultural Water Treatment

Industrial Water & Wastewater Treatment

- ▶ Food Technology
- ▶ FMCG
- ▶ Iron & Steel
- ▶ Printing & Dyeing
- ▶ Textiles
- ▶ Pharmaceuticals
- ▶ Chemicals & Agrochemicals
- ▶ Laundry
- ▶ Automobile Wash Water Treatment & Reuse



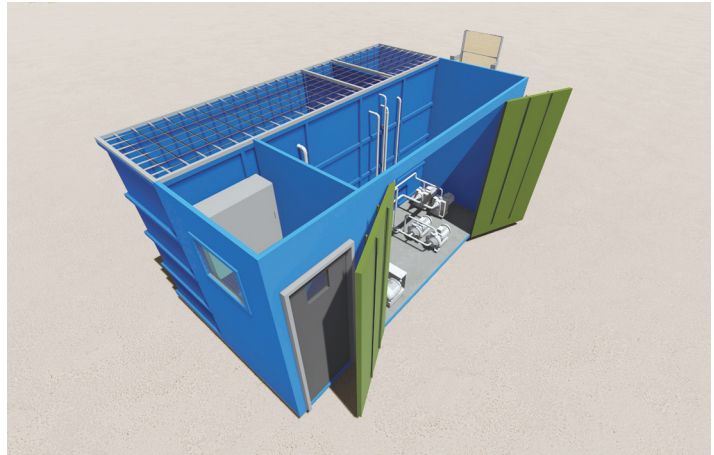


Packaged Effluent Treatment Plants

Regreen Packaged Effluent Treatment Plants are designed to take on the challenges involved in treating requirements for very small to medium community or building. These plants can be containerised based on requirement and can be based on MBBR, MBR, SBR or hybrid technology.

These plants are rugged in construction and are available in the following MOC.

- ▶ Mild Steel with corrosion resistant Epoxy coating (MSEP)
- ▶ Mild Steel with FRP coating (MSFRP)
- ▶ Fibre Reinforced Plastic (FRP)



Models

MBR

Regreen MBR10
Regreen MBR20
Regreen MBR30
Regreen MBR40
Regreen MBR50

MBBR

Regreen MBBR10
Regreen MBBR20
Regreen MBBR30
Regreen MBBR40
Regreen MBBR50

SBR

Regreen SBR10
Regreen SBR20

* Nomenclature: Brand-Technology Capacity in KLD

Our Packaged Wastewater Treatment Plants are Plug and Play Units offering the best value.

Ideal for:

- ▶ Small Hospitals & Clinics
- ▶ Restaurants, Food Courts & Motels
- ▶ Makeshift Canteens
- ▶ Project Sites
- ▶ Resorts & Tourist Centres
- ▶ Religious Shrines

Features

Common Features

- ▶ Skid mounted or Separate plant room / Control Panel options

MBR

- ▶ Works based on modern Immersed Ultrafiltration Membrane Bioreactor System with 0.04 µm standard pore size average.
- ▶ Ultra-compact and least foot print giving excellent output quality
- ▶ Requires no other clarifier or filters

MBBR

- ▶ Works based on Virgin HDPE high specific surface media
- ▶ Tertiary and Quaternary units such as Filtration Plant and Ultrafiltration Plants are included in the package as per requirement.

SBR

- ▶ SBR works on Sequentially arranged automated batch operations in the same tank.
- ▶ It eliminates the use of clarifier, denitrification units etc and effectively reduces tank volume requirements.



Major Clientele



AQUATECHNICS
WATER | WASTEWATER | ENVIRONMENT

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Download
E-Brochure

