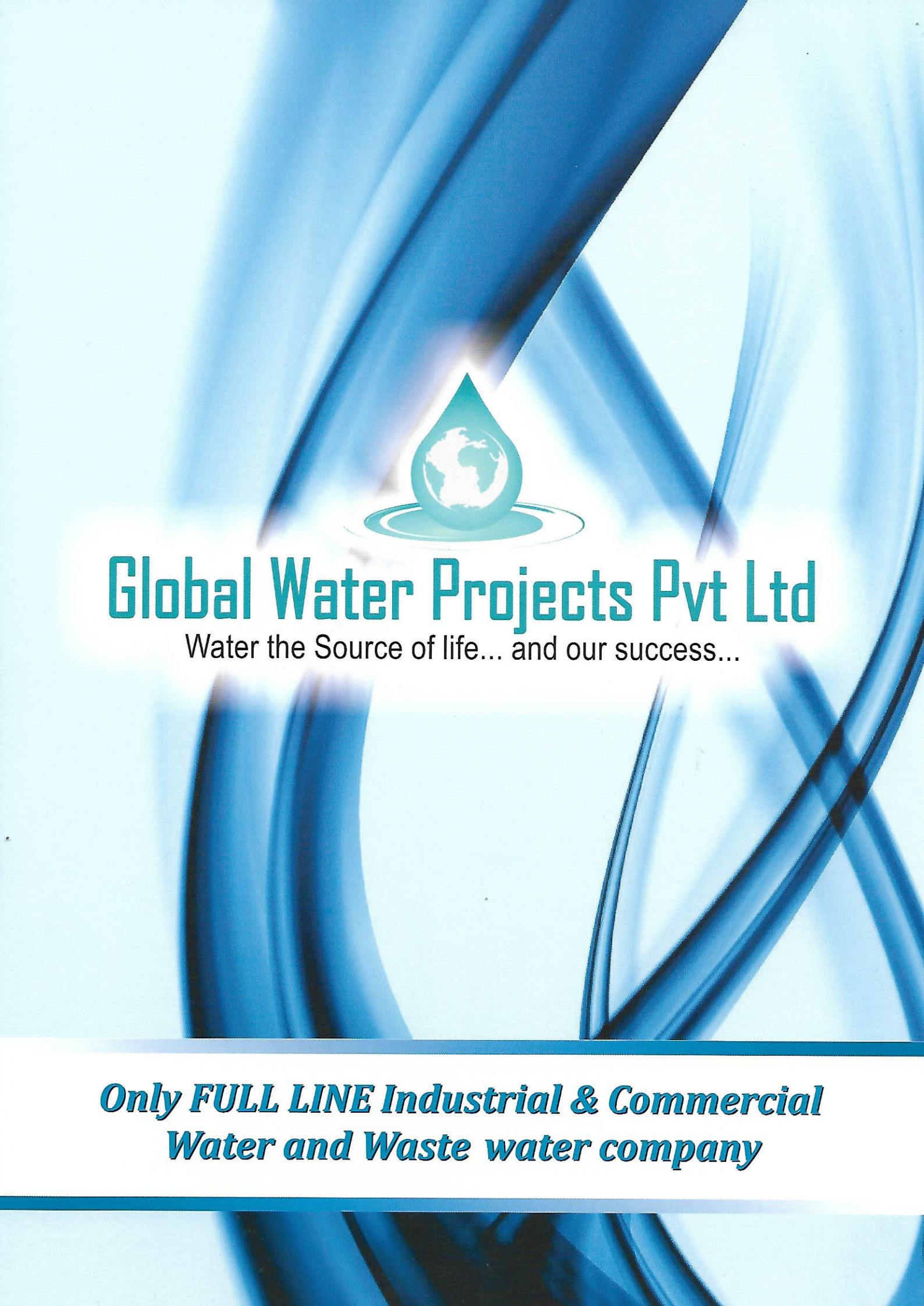


Global Water Projects Pvt Ltd

Water the Source of life... and our success...

Only FULL LINE Industrial & Commercial Water and Waste water company

ABOUT WATER

Water is known as a source of life. It is an elementary part of nature and sustains all life on earth. With advance in technology came a number of additional uses of water, uncontrolled uses of water began to make scarce and indiscriminate discharge. Waste water started polluting environment severely disturbing the eco-balance. A large and developing country like India offers a vast potential for water management. To exploit these potential a group of technocrats formed GLOBAL WATER PROJECTS

ABOUT US

Global Water Projects is a group company of Global Water Systems. Who is leader in design and manufacturing of industrial and commercial water and waste water treatment equipment and systems.

OUR PRODUCTS & RANGE OF SERVICES

- Membrane based Filtration Systems
- DM Plants
- Softeners
- Filters
- Desalination - Plants
- Effluent Treatment Plant
- Sewage Treatment Plant
- Spare Parts
- Chemical & Consumables.

VISION

A Global Water and Waste Water Treatment Company providing solutions for a better tomorrow.

MISSION

Providing sustainable business solutions in the field of water and waste management.

SOFTNERS

For removal of salts from low saline waters, ion exchange resin based plants incorporating various configuration of flow and regeneration systems are offered.

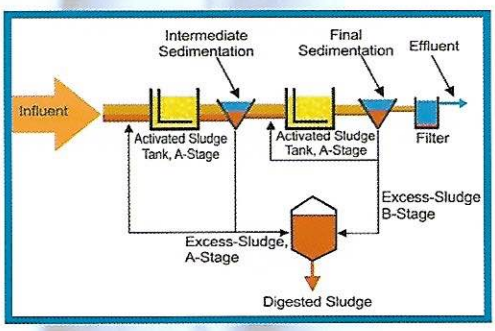
DEMINERALIZATION PROCESS

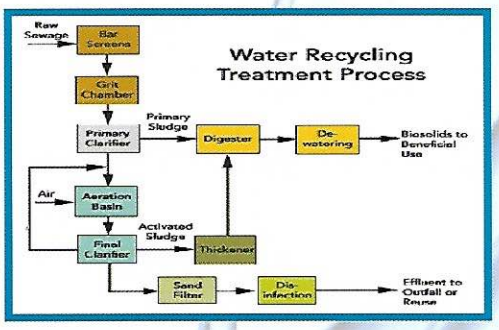
In the context of water purification, ion-exchange is a rapid and reversible process in which impurity ions present in the water are replaced by ions released by an ion-exchange resin. The impurity ions are taken up by the resin, which must be periodically regenerated to restore it to the original ionic form. (An ion is an atom or group of atoms with an electric charge. Positively-charged ions are called cations and are usually metals; negatively-charged ions are called anions and are usually non-metals).

DESALINATION SYSTEMS

Desalination plants based on Reverse Osmosis are offered for treatment of high saline waters internationally these systems are designed for high performances with least manual operation.

EFFLUENT TREATMENT





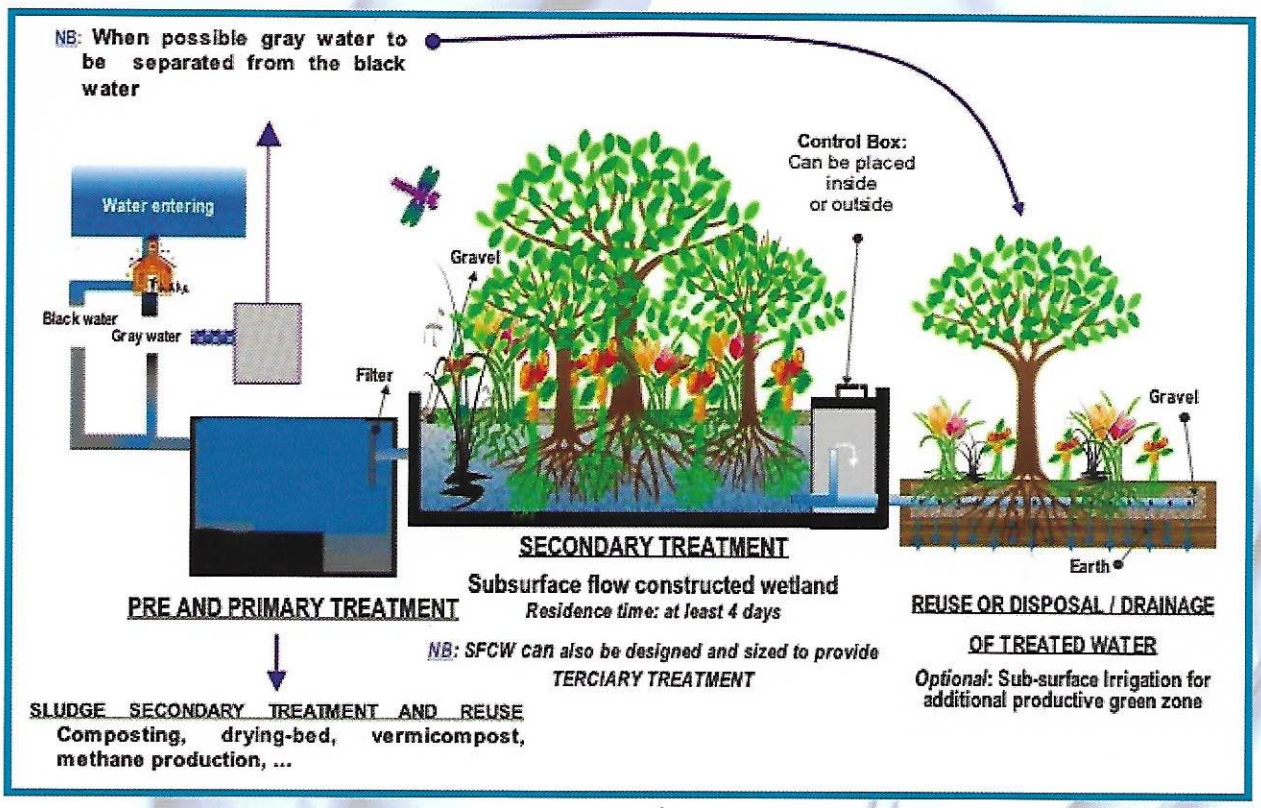
GWP offers number of tailor made systems for treatment of industrial effluents.

SEWAGE TREATMENT

For treatment of sewage water treatment systems incorporating biological filters, clarifiers, filters and sterilisers with all supporting systems.

INDUSTRIES SERVED

- CHEMICAL
- LEATHER
- TEXTILE
- AUTOMOTIVE
- PULP AND PAPER
- PLASTIC
- STEEL
- PHARMACEUTICAL
- FOOD PROCESSING
- RESIDENTIAL COMPLEX
- POWER GENERATION
- MUNICIPAL BODIES



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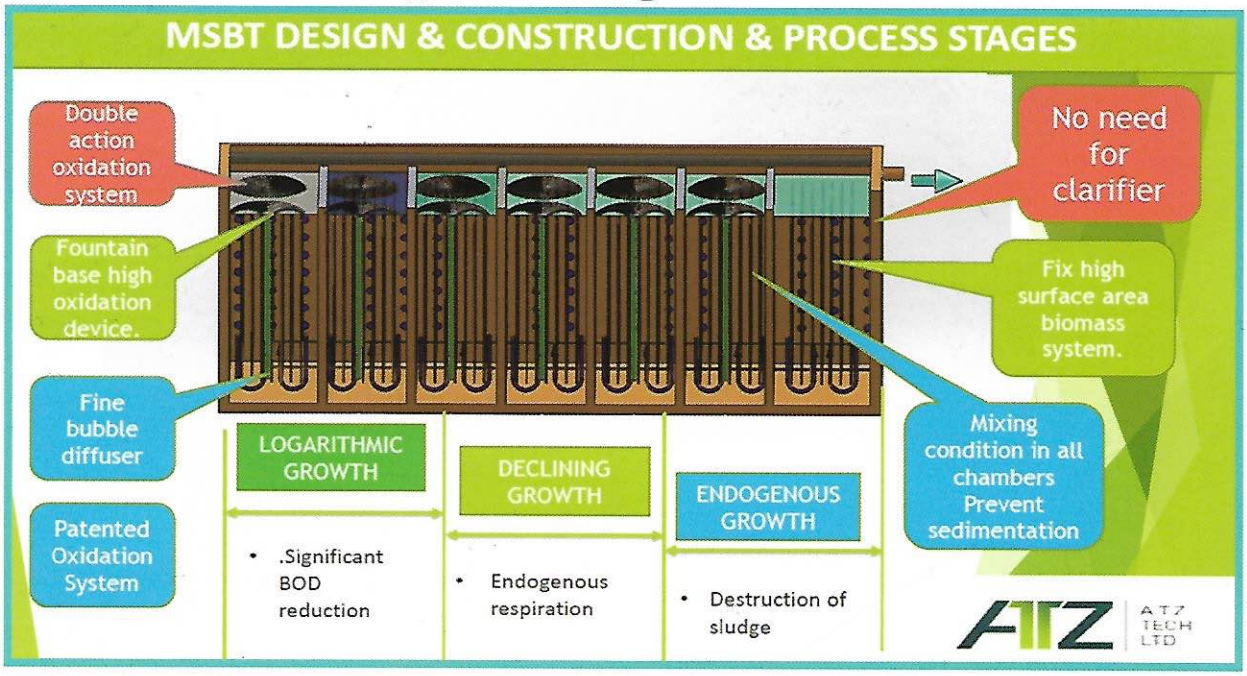
A.T.Z TECH LTD

Multi Stage Biological Treatment®



Multi Stage Biological Treatment system is an advanced and highly efficient method of treating industrial and municipal waste water.

Multi Stage Biological Treatment (MSBT) is an efficient method of domestic and industrial wastewater treatment based on spatial microorganism's succession and trophic hydrobiont chains.

These spatially segregated trophic microorganism chains provide for conditions at which microbes are eaten by primary microorganisms while the later are eaten by higher organized fagocitors filtrators of different trophic levels. This spatial microorganism succession provides purification by means of aerobic and anaerobic destructor microorganisms, together with conventional copiotrophs and oligotrophs, thus providing for high purification of wastewater from organic and inorganic impurities.

The **MSBT** product as an option to include high efficient **DAO** (Double action oxidation) system. The **DAO** patent technology design to increase the oxidation Rate by adding a device that create High contact surface with air above the water level. This device increases the oxidation rate above all technologies.

Advanced Waste Water Treatment Technology

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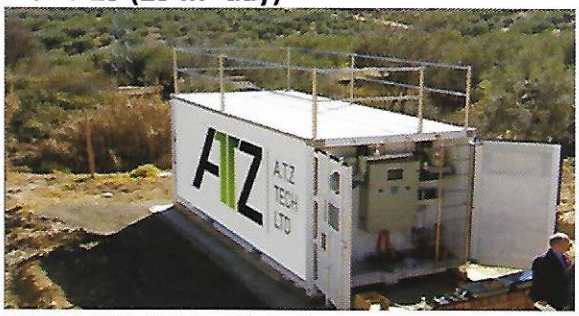
MSBT-25 (25 m^3 day)



MSBT-125 (125 m^3 day)

Design

The MSBT is designed in a special configuration in order to achieve:

- Negligible amount of organic sludge.
- High efficiency in waste water treatment operation.
- Less Energy by using double action oxidation system.
- Less labor.
- High modularity and simplicity in order to enable simple modification while confronting new demand to increase the flow.
- Simple operation with minimum maintenance work.
- High reliability due to minimum moving components.

Waste water and Effluent quality

Description	Unit	Waste water	First stage of the MSBT	Second stage of the MSBT
BOD	mg/l	400	<20	<10
COD	mg/l	600	<100	<70
TSS	mg/l	500	<20	<10

Flow m3/day	Population	Required Area B(m)xL(m)	Foundation pad B(m) x L(m)	Inlet Pipe Diameter[mm]	Effluent Pipe Dia [mm]
25	125-150	7.0 x 10.0	2.6x 6.2	100	40
50	250-300	7.0X15	12.5X2.8	150	50
75	375-450	10X15	5.5X12.2	150	50
100	500-600	13X25	6X15	200	63
150	750-900	15X25	6X17	200	75
200	1000-1800	20X25	15X10	250	90
300	1500-2000	23X25	15X15	250	110
400	2000-2400	26X25	17X15	300	110
500	2500-3000	30X25	20X15	300	130

ADVANTAGES

- Negligible amount of sludge as compared to other solutions.
- High efficient oxidation system. Reduce energy consumption by 30% to 65%.
- No need for sludge treatment- reduces operating costs. Almost 50% less of other conventional treatments.
- Easy Scalability – Modular design that enables to increase the flow without the need of major investment.
- Significant reduction in space compared to other solutions – No need for clarifier and sludge treatment.
- No need for return sludge pumping (minimizing electro mechanical component).
- Reducing 90% of the "headache" – Due to the absence of organic sludge.
- Odour free -Can be installed close to residential area
- The system enables excellent tertiary effluent quality using only physical filtration and residual disinfection.
- Low investment cost as no sludge dewatering unit is required.
- High effluent quality.
- High modularity.

Contributing towards Clean and Green environment

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