

solutions built on sustainable green principles to protect and conserve

Water & Wastewater Treatment & Supply

FLAGSHIP DHAKA CENTRAL ETP (BD) LTD.

FLAGSHIP Environment & Water Solutions

ETP
New & Upgraded

CETP
Zone Development

WTP Water Softening STP Modular

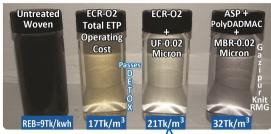
Output Integrety is Key Priority To ZERO DISCHARGE Operations & Cost

FLAGSHIP PROVIDES RMG Industry with Green-BAT Engineered

- Designs & Upgrades for latest and best:
- Factory & Product PositioningSTWI-DETOX Target Output Values
- Buver Codes, Conservation & Recovery

PLANNING THE FUTURE

Flagship and Singapore based Hydromaster International Pte. Ltd. completes the water recycle spectrum with proven applications for industrial waste water into NEWater. Together we manage, engineer, and deliver the project from start to finish with proven strengths in design, operation, service and alternative project delivery systems.



Screening

Metering

pH adjust

Electro

Coagulation

& Flocculation

SCIENCE & ECONOMICS

Biological treatment may not comply with emerging water standards & meet paramater values required for economic recycling.

Reverse

Osmosis

Systems

Clarification

Solids Mngt.

PROVIDING LONG-TERM VALUE

Flagship is a 24/7 full-service partner in virtually all advanced treatment processes. Technology and scientific tools drive water conservation and ultimate factory sustainability with water recovery at 70-80%

We deliver complex solutions and high quality facilities in a cost-effective, land saving, timely manner; with communication matched to your participation requirements.

ETP UPGRADE's



Flagship Designs are based on industry water profiling

RMG

7 Steps

NEW ETP's STWI "ACHIEVER" Status



Flagship Designs are based on industry water profiling and hydraulic stability. Our BAT Technology profiles consistently meet DETOX target values making ETP / CETP a key player to maintain Buyer Compliance when treating textile/other synthetic effluents.



Engineering - Procurement - Commissioning

NEW ZONE - CETP's are modular / rollout designed for Future Industrial Growth · Various effluent type(s) & increasing flows -SEDIMENTATION DIGESTER

COMPREHENSIVE SERVICES

Our delivery spectrum, including but not limited to:

16.000 SgM Area

- Master Planning
- Construction Management
 Program Management and (O&M)
 Startup, Commissioning & Training
- Process Selection & Development
 Detailed Design & Engineering

ISO 9001-2008



Electrochemical treatment of RMG effluent is a powerful method of pollution control offering high removal efficiencies especially for acid, dispersed and metal complex dves. Other ECR Advantages:

- ECR provides small effective ETP/CETP footprints.
- ECR minimizes foulants entering membranes thus decreases chemical cleaning & frequency, replacements, and total water operating costs.
- ECR adapts to volumes and pollution loads without using unwanted chemicals or sensitive micro organisms.



FLAGSHIP ETP-CETP solutions include approved, proven, and reliable scientific treatment methods of electro chemical-floatation, sedimentation, and oxidation reduction principles that are economical and easily maintained.

FCR Wastewater Treatment UNITS

Series 5 & 10 Flowrate 15 to 30 M3/Hr.

Series 20 Flowrate 30 to 60 M3/Hr.

Series 40 Flowrate 60 to 120 M³/Hr.

Series 60 Flowrate 60 to 180 M³/Hr.

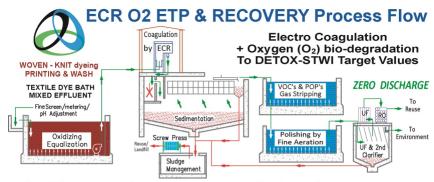








Colour, dye, organic based auxillaries, metals, O&G, and other turbid compounds must be removed by ETP to meet recycling influent target values. ECR technology has rapidly grown worldwide for wastewater treatment due to its ability to remove inorganic / organic molecular weight pollutants & charged ionic species.



SECONDARY & TERTIARY RECYCLING EQUPMENT

In a world where fresh water resources, and the environment, are under enormous strain from growing populations. industrialisation and intensive agriculture: the reclamation and re-use of water is not just preferential but a necessity. Advanced technologies allow us to mimic natural processes to efficiently create high-quality potable water from almost any water source. The use of reclaimed water for industry is increasingly seen as the only sustainable approach to water resource management.

Hvdromaster International specialises in recycling applications & boasts a number of world-class reference projects.

Advanced membrane filtration technology offers a cost-effective and highly reliable means of removing suspended solids and pathogens in order to produce safe potable water. Hydromaster has extensive experience treating a variety of water types using latest membrane technologies.





Low Pressure Reverse Osmosis

hydromaster and the state of th

www.hydromastergroup.com

Hydromaster Membrane Technologies:

- Micro Filtration Ultra Filtration
- Low Pressure Reverse Osmosis
- Sea Water Reverse Osmosis
- Nano Filtration Membrane Bio - Reactor

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