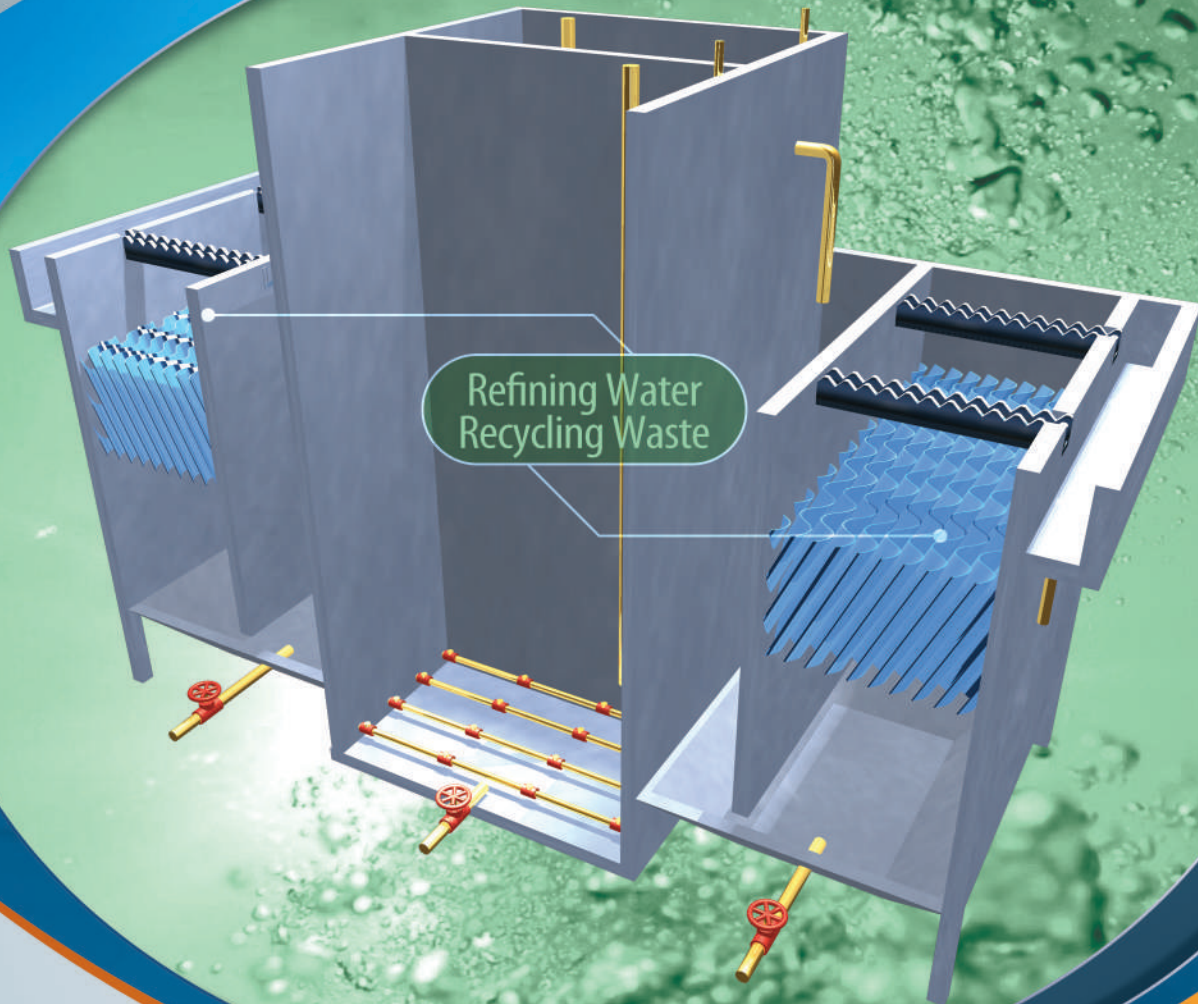


# BIO-DIGESTOR *plus*



## BIO DIGESTOR PLUS

is specially designed for treating the waste water from process sector industries where the organic load is high. The treated water after suitable Tertiary treatment is recycled back into the process. The scheme may be a combination of the below given process depends in effluent quality. The treatment stages are.

- ▶ Neutralization
- ▶ Primary Settling
- ▶ Anaerobic Digestion
- ▶ Aerobic Digestion
- ▶ Secondary Settling
- ▶ Tertiary Treatment
- ▶ Membrane Filtration
- ▶ Sludge Conditioning

## QUALICOM The Quality Experience

Qualicom specializes in Environment Engineering and Water Resource Management.

For last more than 15 years, Qualicom has been innovating highly optimized solutions in Raw Water Treatment, Effluent Treatment and Recycle and Zero Liquid Discharge to Industrial and Commercial Institutions, Defence Establishments, Municipalities and Urban communities.

Qualicom integrates extensive range of technologies with design, engineering and project management capabilities to offer end to end solutions to the industry.

The essence of research and development in Qualicom is to make the resource recyclable and to make the entire waste management scheme energy positive while optimizing both the capital and life cycle cost of the treatment schemes. In Qualicom, we believe in building an environment of Sustainable and Inclusive growth.





## INDUSTRIES CATERED BY US

QUALICOM has designed & installed water & waste water treatment system across industries.



PAPER & PULP



STEEL PLANT



AUTOMOBILES



CHEMICALS



PHARMA



FOOD



TEXTILES



EDIBLE OIL



RICE MILL

### UNIQUE CONSTRUCTION FEATURES

- ▶ Extended Life and Maximum Reliability was kept in mind while designing the BIO DIGESTOR.
- ▶ The GSL device is made entirely of Stainless Steel / MS FRP to avoid metal thinning by corrosion.
- ▶ Media or Carrier elements with very high specific area and more than 90% PSA/TSA ratio is used.
- ▶ All under water piping is done by

CPVC. Compared to general PVC, these pipes have much more mechanical strength.

- ▶ Specially designed tube settler media for most effective settling.
- ▶ The Control Panel is Fuse Free avoiding frequent fuse replacements because of voltage fluctuations.
- ▶ All critical components like blowers and pumps are provided with 100% standby.

### WASTE RECYCLING

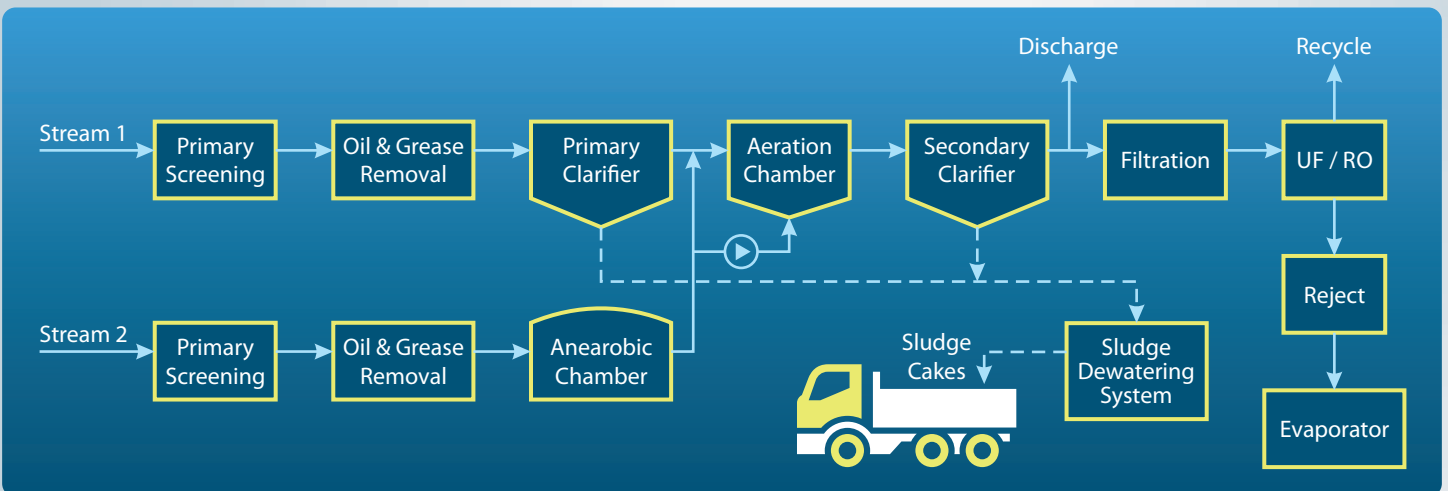
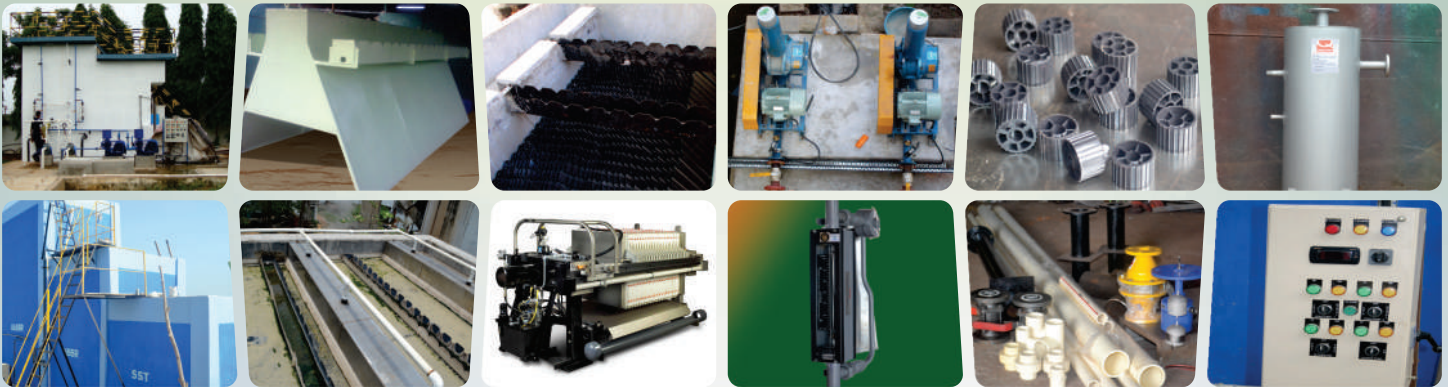
Water treated in BIO DIGESTOR can be recycled back into the process after suitable Tertiary Treatment.

### WASTE TO ENERGY

Bio Gas generated in the UASB reactor may be used as a source of energy.

### ZERO LIQUID DISCHARGE

The treated water after filtration shall be passed thru UF/ RO system for 100% recycle. The RO reject shall be evaporated to active zero liquid discharge.



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