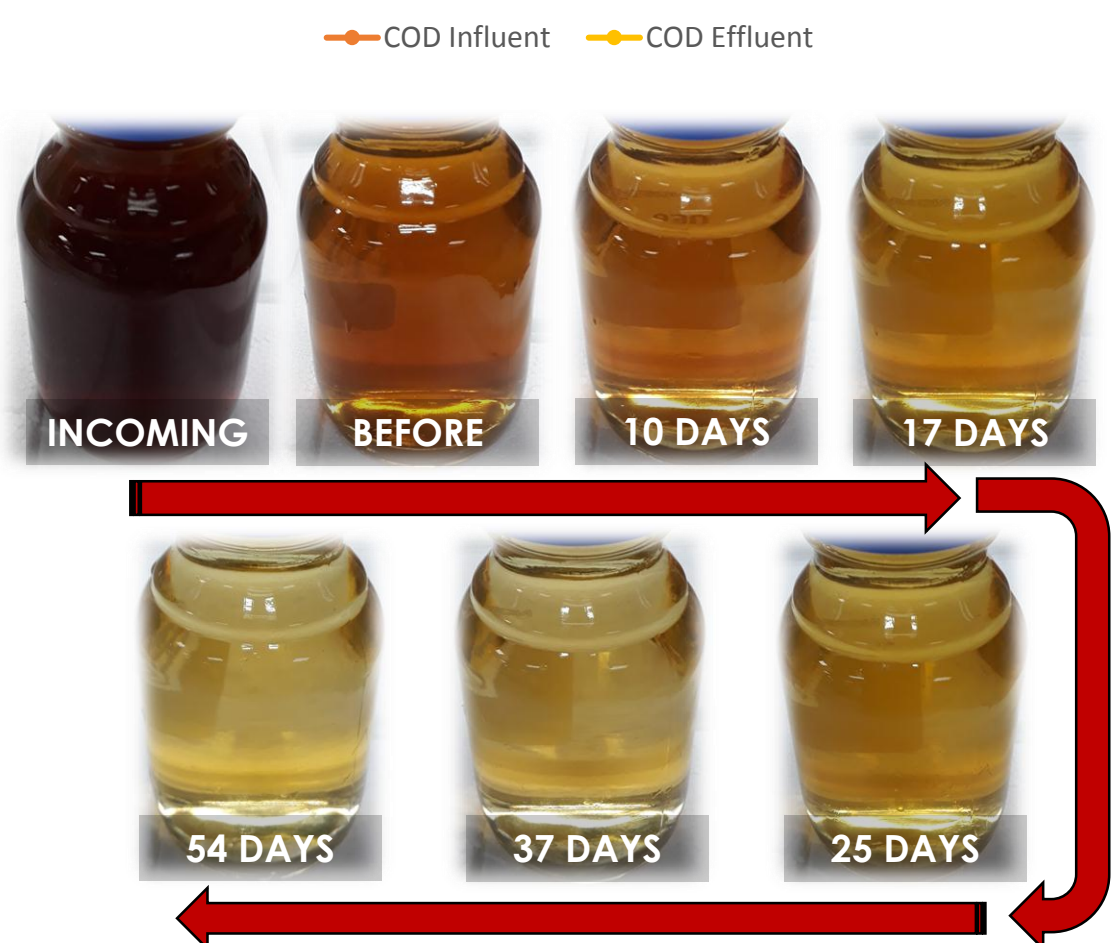
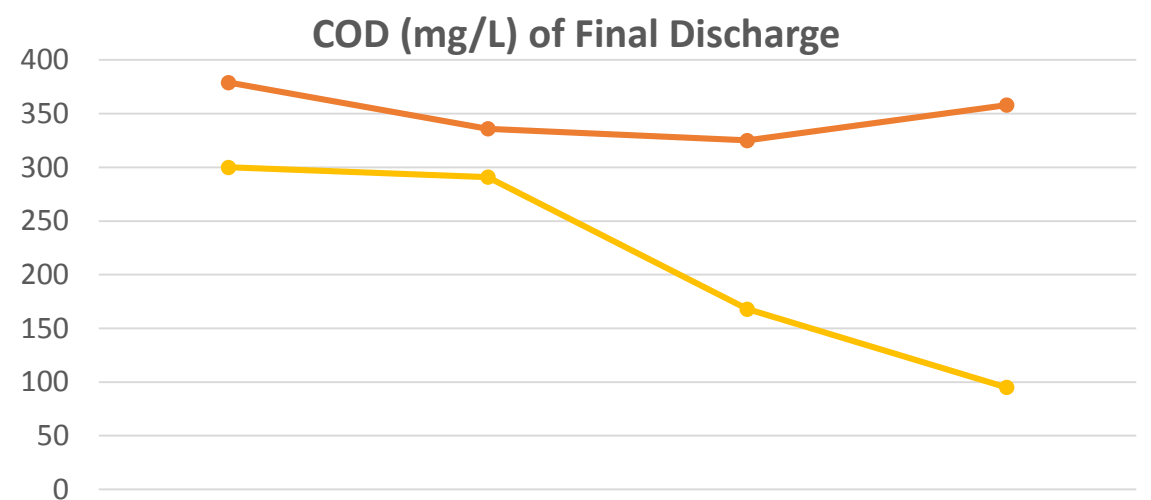
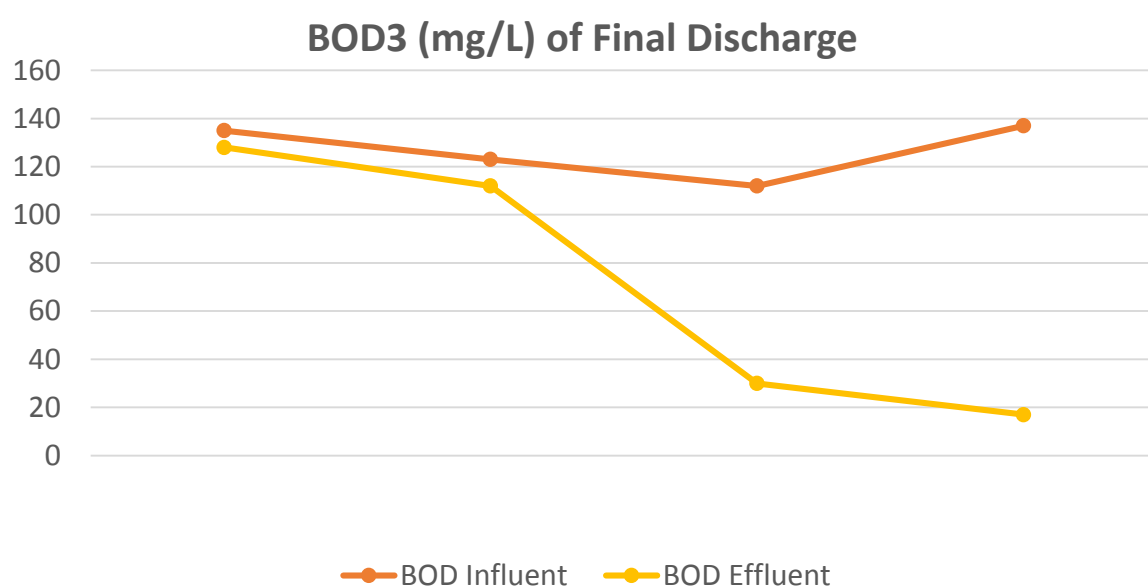


# Enhanced Phycoremediation and Bioremediation in Industrial Waste or Effluent Treatment

Solution to substitute a high cost of development and operation of Tertiary Treatment by Bio-Polishing Plant and the potential to re-use the treated water for plant activities

## MEET THE BEST QUALITY STANDARD

Biochemical Oxygen Demand (BOD) and Ammonia is one of the important value monitored by Department of Environment (DOE). After about 54 Days of enhancing phycoremediation and bioremediation in the Aeration Ponds, the final discharged of effluent quality could be achieved as BOD and Ammonia is **17mg/L** and **1.25mg/L** respectively.

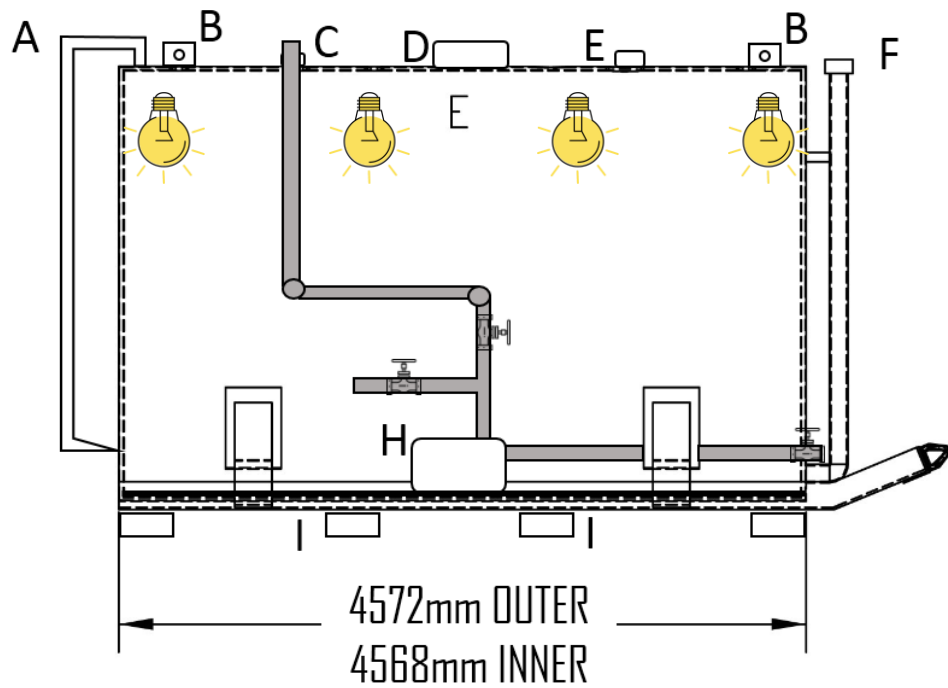


Treatment process requires no commitment to new or expensive equipment -- **ZERO CAPEX.**

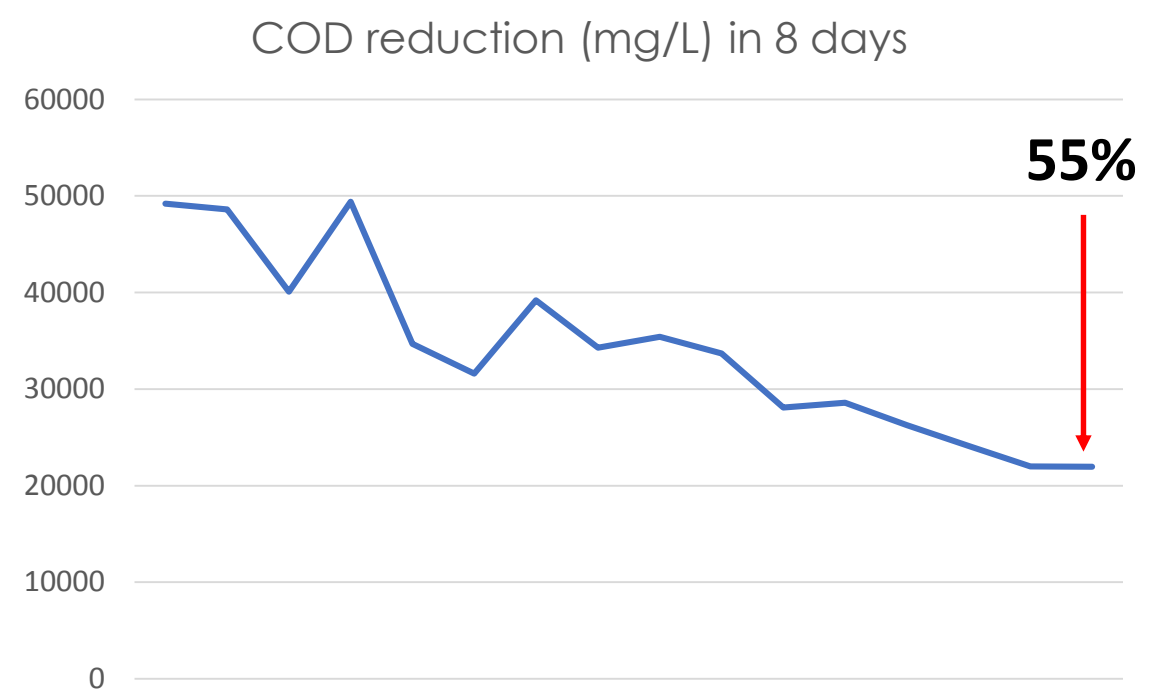
Feel free to contact us at **019 – 221 9630** and [sales@aquaritinasia.com](mailto:sales@aquaritinasia.com)



Case studies of a High COD (50,000 – 300,000mg/L of ethanol and methanol waste) in WWTP shows rapid reduction in 10 days



**Figure 1:** 20m3 Pre-Treatment System of Very High COD Effluent with built-in Waterproof LED Lights

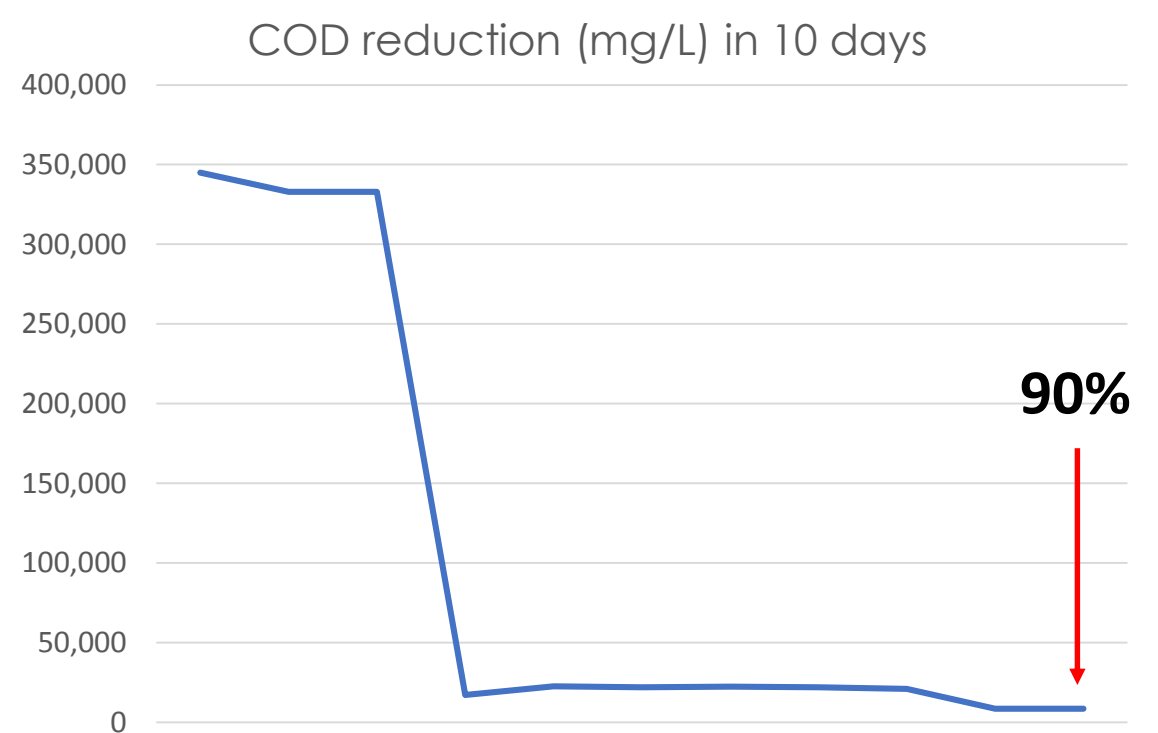


**Figure 2:** Reduction of High COD methanol and ethanol after 8 days of enhanced hydrolysis

## INCREASING PRODUCTIVITY OF IETS

As normal practice of storing this High COD Effluent in the ISO Tanks would cost a monthly commitment to the Plant, enhanced phycoremediation and bioremediation could reduce the amount of ISO Tanks rental after each Pre-Treatment and saves their working space for other purposes

Plus despite of using recycle RO water to diluted this High COD Effluent, this treatment method shows much better result and quick to settle in Industrial Effluent Treatment System (IETS)



**Figure 3:** Reduction of High COD methanol and ethanol after 10 days of enhanced hydrolysis