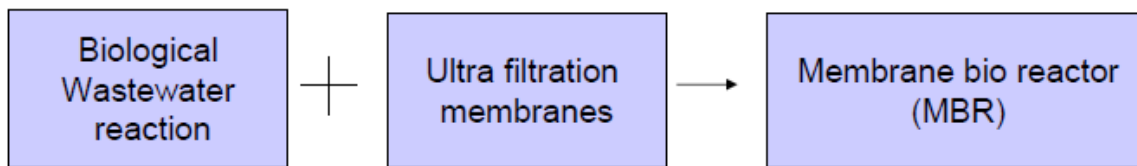




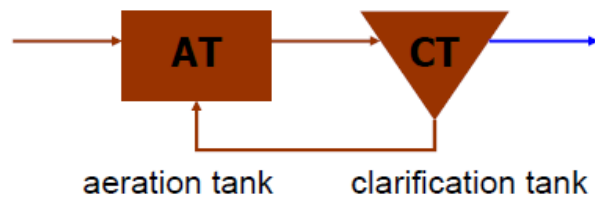
## What is MBR

Membrane bio reactor is advance form of biological wastewater treatment based on aerobic process which uses bioreactor for degradation of pollutants load and ultra filtration for solid liquid separation.



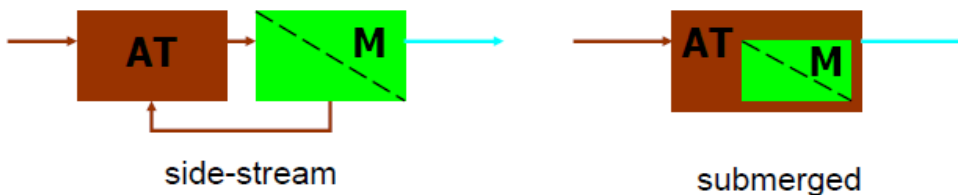
## PROCESS MODE

- Conventional system



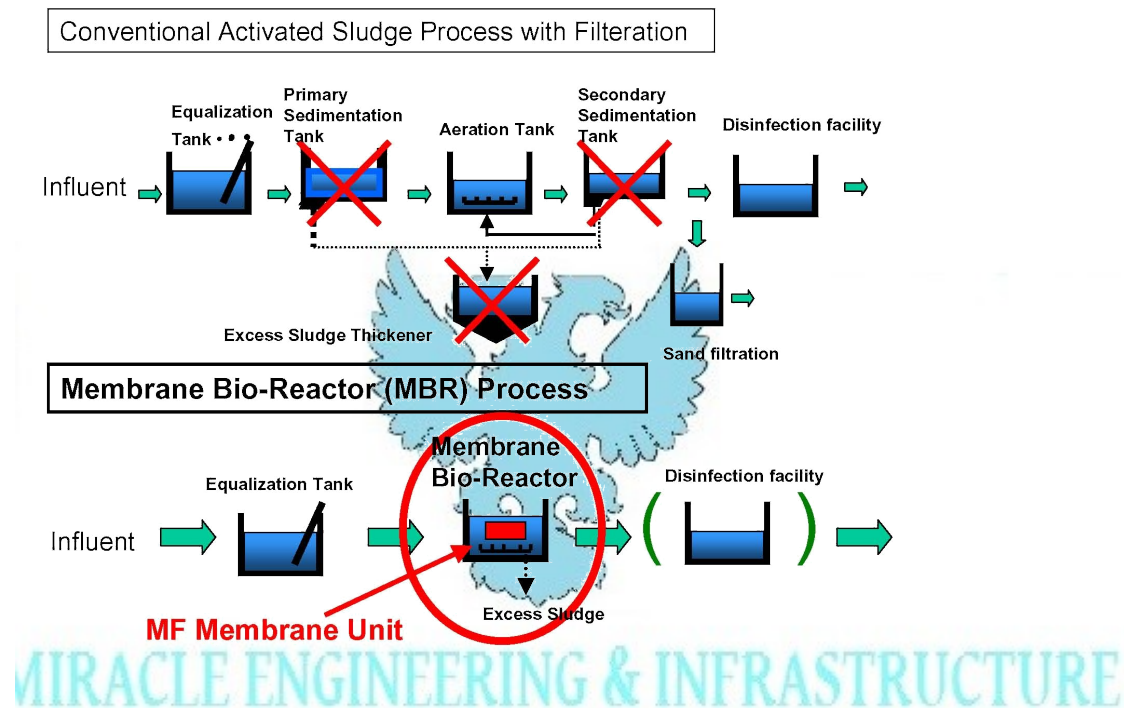
CTURE

- Membrane BioReactor (MBR)





## Conventional Process and MBR



## MEMBRANE BIOREACTOR

### Advantages

- increase in solid contents (more compact system)
- higher age of activated sludge (more component-specific bacteria)
- increase in conversion efficiency (reduction hard-to-break components)
- decrease in sludge production (smaller purge waste streams)
- decrease in sludge carry-over (better effluent quality; less need post-treatment)



TYPES of MBR

