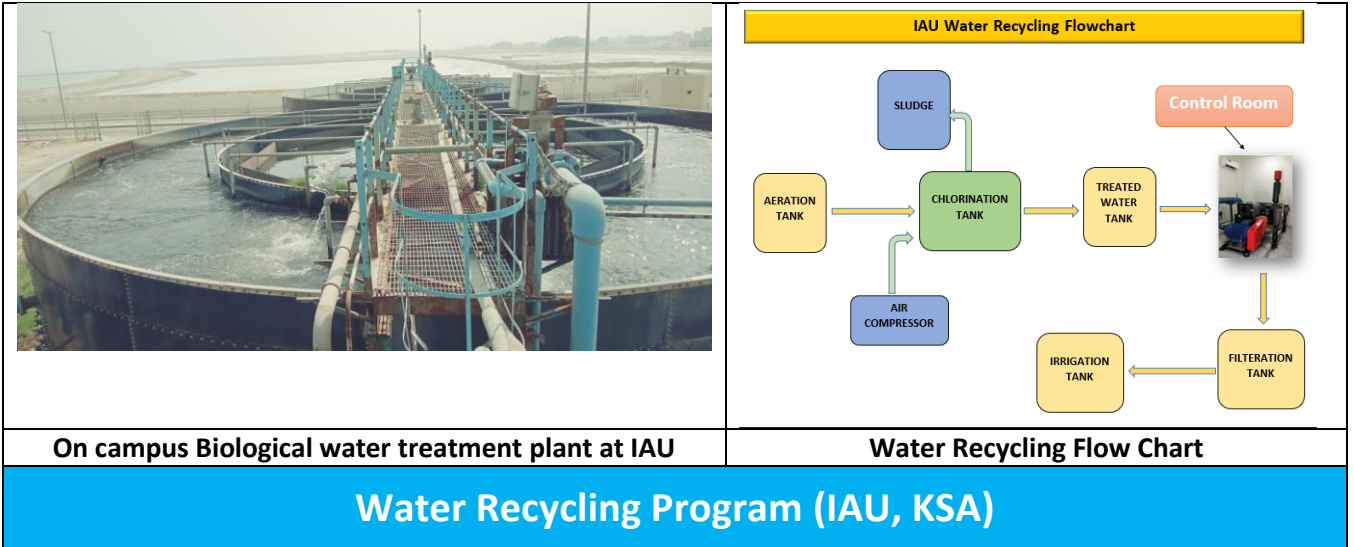




Water Recycling Program Implementation



Description:

The grey water and brown used for flushing toilets and washing basins are collected to a central on-campus wastewater treatment plant (WWTP), where a biological aeration process is taking place to reduce the amount of pollutants in the water to be suitable for re-use.

The WWTP capacity is 1200 m³ per day which consist of : 2 working tanks + 1 spare of capacity 600 m³
Water reuse is by mixing 1200 treated WWTP with + 2800 m³ of well water (TDS 10%) totally = 3600 m³ per day is the amount of reused water for greening and irrigation.

The IAU is totally reuse the treated wastewater on campus with zero discharge.



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WATER CONSUMPTION IN IAU



Water Desalination Plant in IAU



Water Meter to measure the water consumption in IAU

WATER CONSERVATION FACILITY IN IAU



Recycled Water Storage in IAU



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DRONE IMAGE OF THE WATE CONSERVATION FACILITY

