

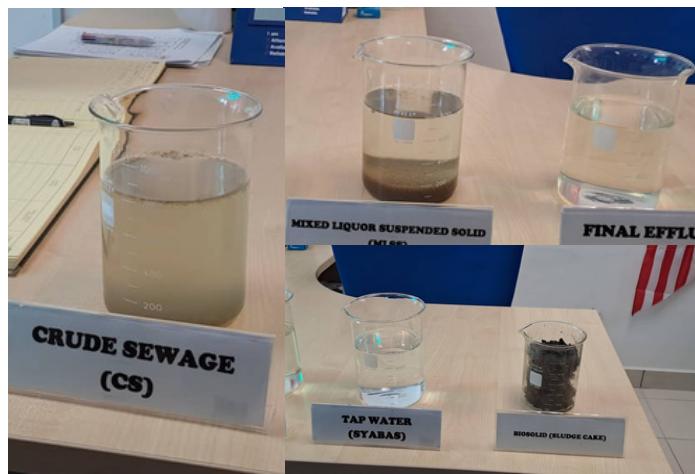
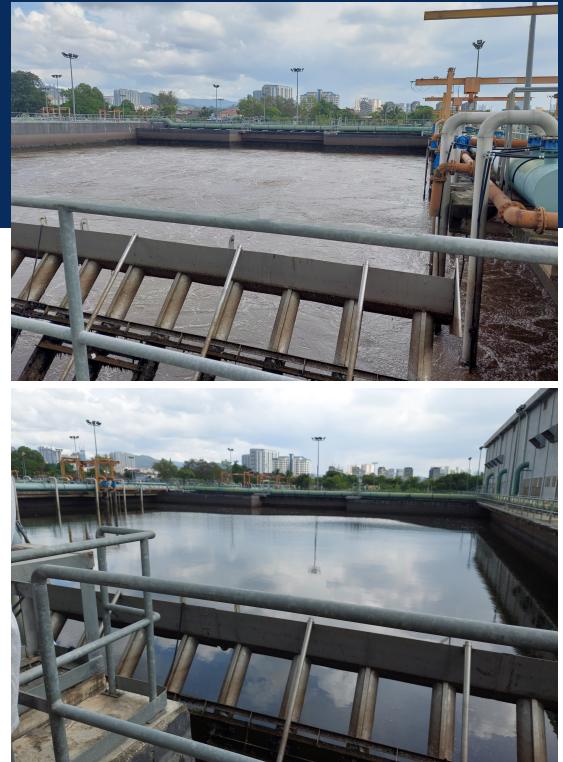
NEWSLETTER

Indah Water

Industrial Visit

Water Treatment

Fresh sewage water will be filled into empty tank. The treatment will be started by filtering rubbish, oil or any plastic waste. Microbes will be added to the water for curing. Then, the sedimentation process will start.



Sedimentation

This process is started by taking the clean sewage and it will be mixed with formulae to coagulate the sediment. The sediment will be harden and submerged into the below. The sediment will become solid and filtered. The water will go through another process of filtration and it will either go to the river or become tap water. The solid will be used as bio gas or sent it into landfill.

Monitor System

This system is monitored using SCADA. This system contains a servers and uninterruptible power supply(UPS). It also monitors the sludge.



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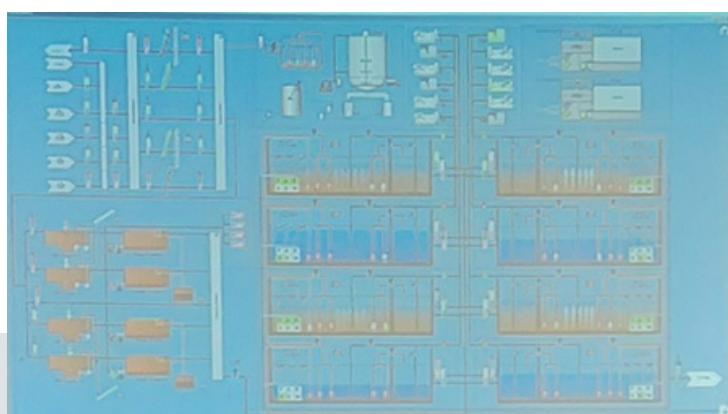
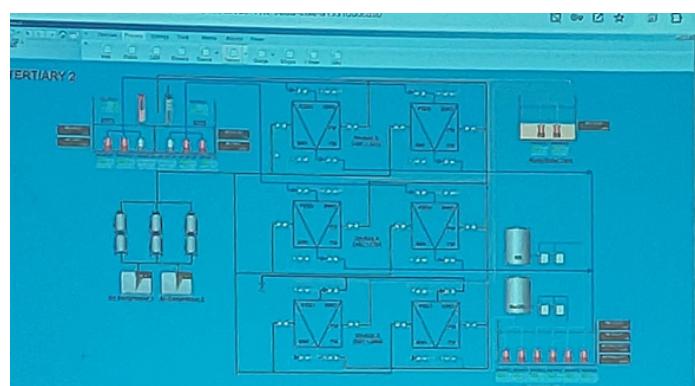
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SBR 1 MCC ROOM

SBR 1 MCC Room is the place where the information about condition and state of the water treatment process. The information will be send to the instrument to carry a specific task. There is also an I/O panel to check if there is any malfunction of the hardware. This room also has UPS as an emergency power resource.



Supervisory control and data acquisition (SCADA)

Supervisory control and data acquisition (SCADA) are used as a main software for the water treatment system. SCADA can design, configure, and deploy these systems in a manufacturing or other industrial environment. Left pictures are Indah Water own design of the water treatment process.

