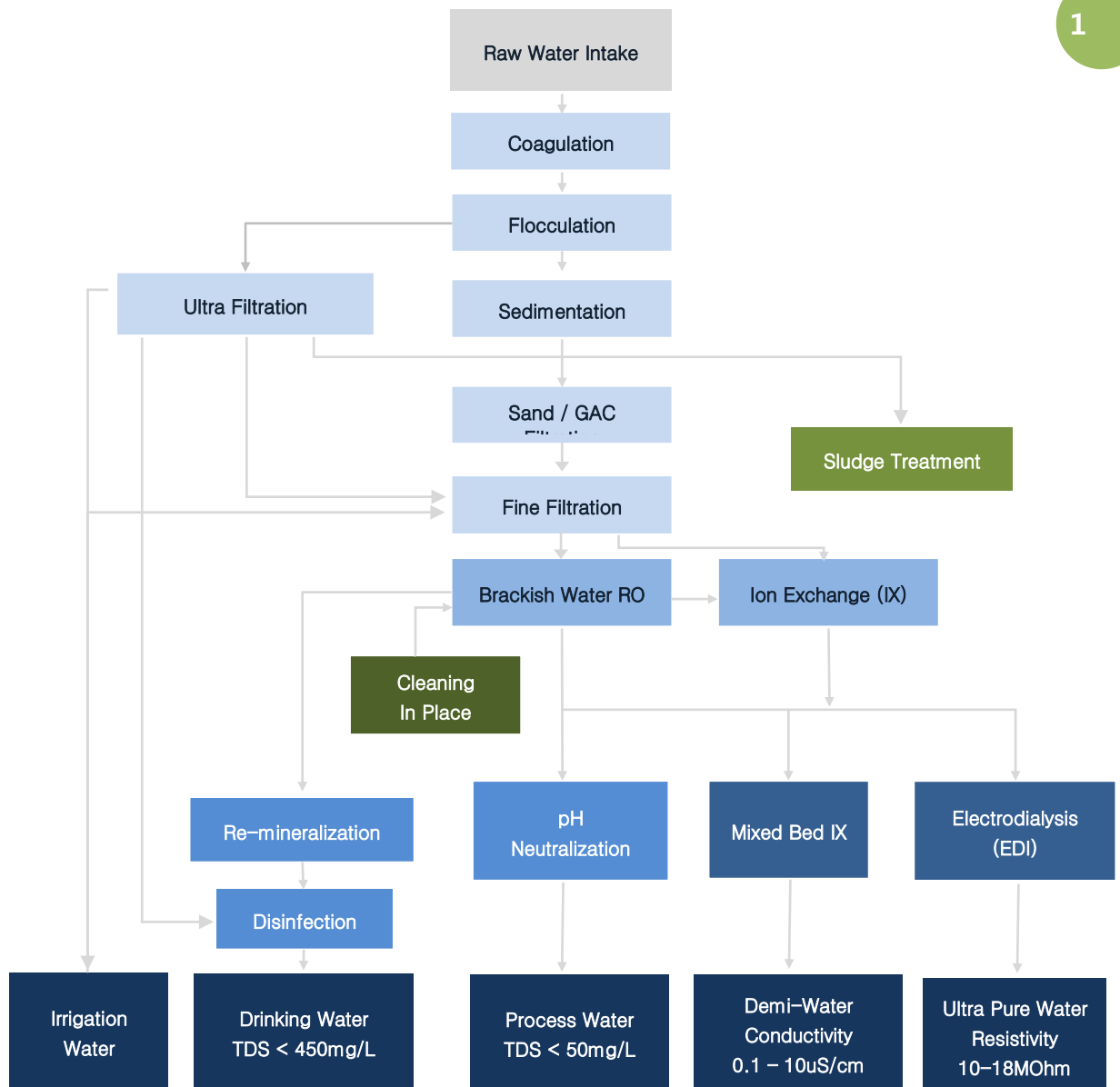


Water Treatment Plant

Purified / Pure / Ultra-Pure Water Process

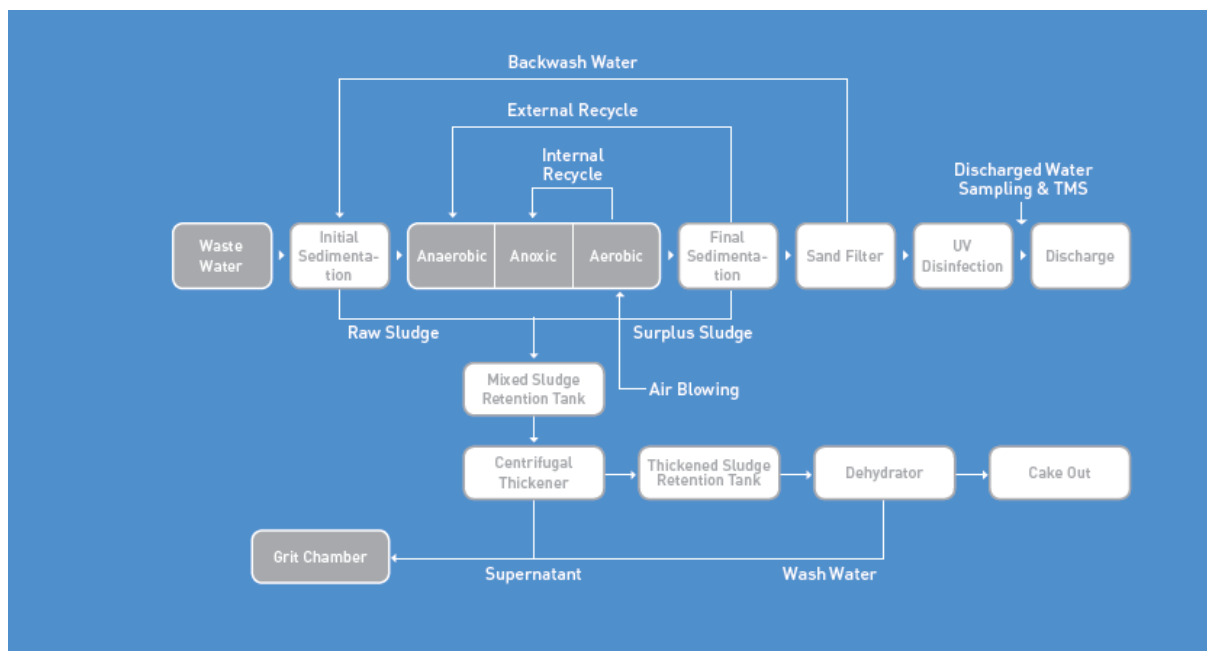
Water treatment process produces appropriate water quality required by each unit business via the removal of the contaminants in the water.

Dissolved inorganic, organic, and fine particles are removed to produce pure water and ultra-pure water from preliminarily processed water.



Biological Facility (Advanced Treatment)

Biological process removes dissolved organic and inorganic substances in sewage and wastewater by using micro-organism. Nitrogen compounds in sewage and waste water are changed to nitrite nitrogen from ammonia nitrogen by microorganisms in aerobic condition. Nitrite nitrogen is reduced into nitrogen gases by de-nitrification in anoxic condition and Phosphorus is removed through phosphorus luxury intake by microorganisms in anaerobic condition.



Removal of Semiconductor Poisonous Substances & Hydrocarbon

Semiconductor poisonous substances & hydrocarbons are very hazardous to human health and cause functional deterioration and corrosion in production and peripheral facilities, and some of them cause greenhouse effect. Based on our experiences in air pollution control, we provide solutions that help company to create safe and pleasant working condition by designing and constructing the optimum prevention facilities after visiting, consulting, finding the causes and researching.

3

Application

- Electric / Electronic / Semiconductor Factory
- Fertilizer Plant
- Textile / Leather Factory
- Leather Manufacturing Factory
- Petrochemical Factory
- Chemical Plant

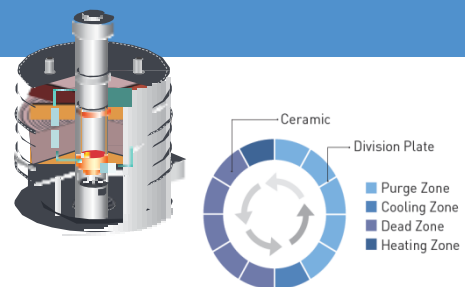
Activated carbon tower (a/c tower)

By using A/C Tower, pollutants such as odor causing substances and hydrocarbon in exhaust fumes are removed by adsorption process. The optimum A/C is chosen according to pollutant characteristics.



Regenerative thermal oxidation (rto)

One can type is much easier to operate valve for dealing with pressure fluctuation than 3 bed type. One rotary valve at the center can control the flow of process gas conveniently by rotating rotary wing.



Catalytic oxidation system

In order to adsorb and decompose pollutants, semiconductor catalytic oxidation (ECO) system makes reactive oxygen and radicals by forming catalyst layer in a deodorizer.

When odor causing substances pass through the catalyst layer, they turn into stable harmless substances and then are vented.

