Clean Drinking Water using Advanced Solar Energy Technologies

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Solar Energy

Flue gas

Power Plant

Waste Heat

Geothermal Energy
Oil Refinery
Combustion Engine

Desalination system

Sea Water

Fresh Water

Waste Heat

Combustion Engine

Geothermal Energy
Solar Diffusion Driven desalination Process

Low-temperature distillation process uses solar energy to separate salt from seawater using direct contact evaporation and condensation.

Condenser

Packed bed

Seawater Tank

Fresh Water Tank