



ADVANCED OXIDATION PROCESSES (AOP)

Greenchain Group's AOP systems have proven to be reliable, affordable, easy to operate & provide unbeatable water quality. Our professional engineering team have in-depth understanding of membrane technology, which enable us to design & manufacture AOP systems that excel in all areas of this value chain. Our systems are all designed & manufactured in-house, with reliable & cost-effective components sourced from all over the world.

We streamline the deliverable from start to finish: process design, documentation, project management, manufacturing, quality control, installation & maintenance.

SUPERIOR WATER QUALITY

Continuously remove targeted contaminants with peace of mind

SUPPORT

Whether it's spare parts or services, we have you covered

CUSTOMIZED DESIGNS

Tailor-made AOP systems for the required water source

RELIABLE

Meticulous quality control & detailed design for improved longevity

AFFORDABLE

Economical payback periods from CAPEX to OPEX

PREMIUM

ADVANCED OXIDATION PROCESS

(AOP) SYSTEMS

AUTONOMOUS

Seamless control from standard inputs to advanced online control systems

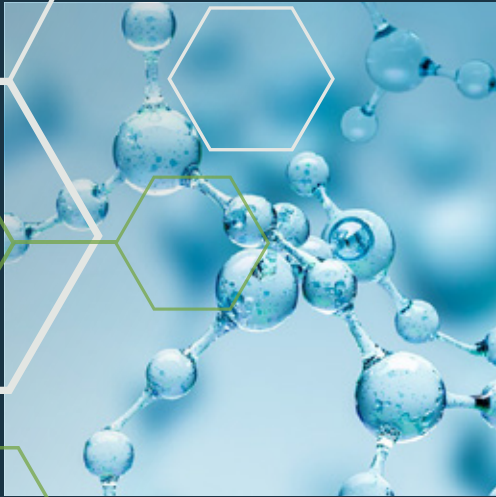
LOCALLY MANUFACTURED

Purpose-built AOP solutions unrivaled by imported systems

ENGINEERED SOLUTIONS

A complete process design including all the required building blocks & documentation





WHAT IS ADVANCED OXIDATION PROCESS (AOP)?

Advanced Oxidation Process (AOP) is an oxidation technique utilizing a combination of chemicals to remove specific target pollutants. The type of chemicals used determine which pollutants are removed & which oxidation technique prevails, for instance ozonation or radical formation for wastewater treatment. The design of these systems are technical & strict control is required to ensure removal rates are constant & potential by-product formation is limited. The purified water is typically completely oxidized which removes up to 100% of the contaminants & can be used for water treatment disinfection, landfill leachate, iron removal, organic removal & so forth. The possibilities for water & wastewater treatment using AOP technology are endless.

REMOVES SPECIFIC TARGET POLLUTANTS

- WATER TREATMENT DISINFECTION • LANDFILL LEACHATE • IRON REMOVAL • ORGANIC REMOVAL

AOP SOLUTIONS



Wastewater treatment



Superior pollutant removal



Guaranteed effluent quality



Unbeatable oxidation potential



Professional chemical design



Advanced automation



SCAN ME

