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CELDAR® TECHNOLOGY

Case history

INDUSTRIAL SITE SOIL REMEDIATION

Location	SPAIN
PRODUCED WASTEWATER	50 cubic meter/hour
Typical problems in wastewater	High COD due to recalcitrant components

TREATMENT PRINCIPLES AND AIMS

By operating in a environmental critical Area, the customer asked us to evaluate the **ELECTROCOAGULATION SYSTEM** for the **COD REMOVAL** and to propose a total ECO FRIENDLY TREATMENT without use of chemicals Another option required was **the ZERO LIQUID DISCHARGE** and therefore the possibility of reusing the treated water for water re-injection

This option is possible using an **ELECTROCOAGULATION PLANT** since no chemicals are used and therefore the physical and chemical characteristics of the water to be treated have little variation compared to the treated water.

The obtained results and working conditions are below

Type of electrodes	CELDAR
Trial condition	7 - 14 Volt 35 - 70 Ampere
Temperature increasing (Joule effect)	Negligible
Foam	considerable presence and in compact form
Two different Conductive conditions have been tested	

COD REMOVAL

