Automated Electrocoagulation Ozone Technology for Wastewater Treatment

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UAE is not a water rich country, and we rely much on sea water desalination. This technology is expensive. Our project aims to investigate and provide a possible approach and technologies for water recycling. We aim to develop a feasible technology for wastewater treatment, provide a new approach to reduce the relying on desalinated water in the UAE, and decrease the amount of wasted water in all across the world. Our project uses electrocoagulation technology (EC) for cheap and fast treatment of wastewater, along with Ozone gas for both sediments gathered waste and disinfect the wastewater. Our project has many advantages like it has low cost and has low maintained cost. It can remove high concentration wastes and heavy metals. The sludge produced from the project can be used for plants. Finally it can be designed and built depending on the client choice.

Awards Won: