

Chemical Enhancement of Reverse Osmosis Desalination Plants Based on Programmable Logic Controller.

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- **Abstract:** In this paper, the reverse osmosis desalination plants are more important in the life for drinking water which has large effect on human health. The manual operation of these plants may be causes salt water which is toxic to humans this is because of the body is incapable to get remove of the salt that derives from plants. Therefore, the kidneys generally eliminate extra salt by creating urine, nevertheless the body wants freshwater to dilute the salts in the body in order the kidneys are working correctly. Here, in order to enhance the operation of these RO plants, the programmable logic control is used to operate the plants automatically with high accuracy to get Healthy and drinkable water. The proposed method of this paper is applied by using Ladder language for PLC.
- **Keywords:** reverse osmosis, desalinations plants, PLC