



CONTAINARISED SEA WATER DESALINATION PLANT 10000 IGPD

Case Study - Hydromagx, Dubai, UAE



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BACKGROUND

Sea Water desalination processes have contributed to a better standard of living in Dubai due to abundant source of sea water and less source of drinking water. The construction of the desalination plants and the entire required infrastructure in coastal areas affects the local environment. Hence Hydromagx, (counter part of Aqua Designs) in Dubai, concluded to go in for Containerized Sea water Reverse Osmosis plant.



TECHNOLOGY

Aqua Designs came out with a unique idea of providing drinking water where space is constraint. The idea which has taken life and breathing in the Middle East is called CONTAINARISED REVERSE OSMOSIS SYSTEM.

Aqua Designs has designed a RO based desalination plant which is installed in a insulated air conditioned 40 ' container having a capacity of 10000 IGPD comprising of the pre treatment and a Reverse Osmosis system which produces high quality water which is mobile and easily transportable to anywhere.



CONCLUSION

Aqua Designs successfully completed this containerized sea water Reverse Osmosis system within a short span in a fully air conditioned container and shipped to Dubai which was effectively commissioned for overseas project.

APPLICATION

Container based Reverse Osmosis Desalination plant with Pretreatment to produce drinking water for the local users in Dubai.

■ ADVANTAGES

■ Mobile and can be transferred anywhere

■ Semi automated plant with PLC control.

■ Fully air-conditioned giving a pleasant atmosphere to be utilized in hotter countries.

■ No civil works are involved.

■ Fit & Forget

■ User Friendly.