



W.O.G TECHNOLOGIES Pte. Ltd.

(Process Technologies & Solutions)

Commitment Towards Cleaner Environment

Patong Municipality, Phuket, Thailand - A Case Study

A SEAWATER DESALINATION PROJECT



Patong is a beach resort town on the west coast of Phuket Island, in the southwest of Thailand. It is main tourist area on the island of Phuket with 20,000 permanent residents. **Patong Municipality's** main duties in the area includes supply of potable water and waste management. To meet increasing demand of fresh water, WOG partnered Patong Municipality to install and operate a 25 MLD Seawater desalination plant on BOOT basic. The plant will take intake of 75 MLD and will produce 25 MLD of high quality potable water from seawater meeting quality standards of potable water.

Patong Municipality awarded contract to WOG Technologies based on credentials and reliability. The project is at engineering stage and expected completion by late 2017. The scope of WOG includes sea water intake, intake piping and reject discharge management also.

Year of Installation: Completion in Mid 2017

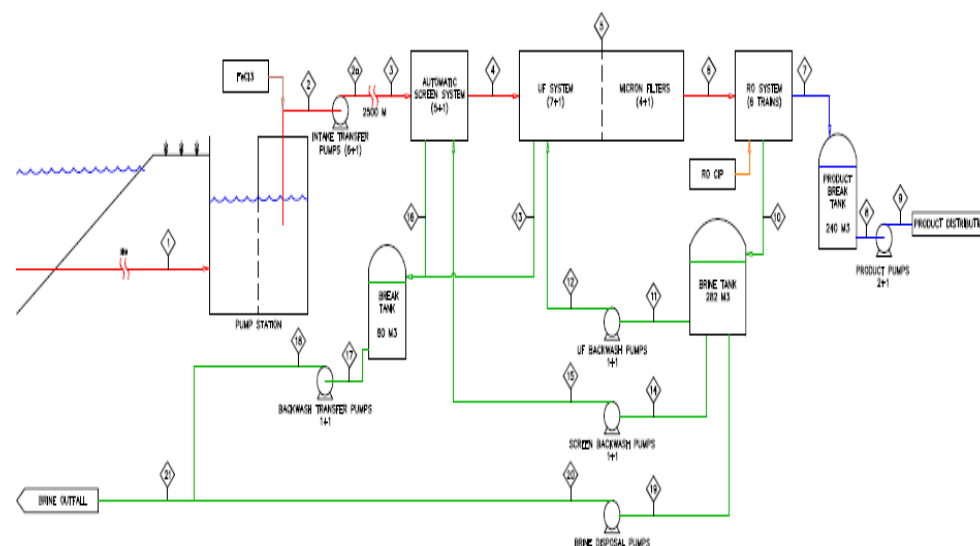
Plant Details:

Parameter	Unit	Inlet	
Flow Rate	m ³ /d	75,000	25,000
Turbidity	NTP	<10	<1
Silica	Mg/L	<1	ND
TSS	Mg/L	<15	ND
TDS	Mg/L	43,546	<600

Treatment Scheme: Seawater Intake System and Piping – Automatic Self Cleaning Filters – Ultra Filtration System – Micron Cartridge Filters – Sea Water RO (40 % Recovery) to produce Tap Water Quality

Scope of Work: The scope of work included capital investment, complete design, engineering, manufacturing, supply, installation, commissioning, start-up, and performance and reliability tests, operation and Maintenance of the plant.

LOOK OF THE INSTALLATION



BENEFITS

- Availability of High Quality Potable Water at Lower Rates.
- Create more employment opportunities for the host community for the next 30 years
- Reducing exploitation of ground water, Saving Environment

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