



ويفز للتجارة والمقاولات ك. م. م.
WAVES TRADING & CONTRACTING W.L.L.

Infrastructure

Serving

Mother Earth, Natural Quality Water and Air-with our State of Art technologies...



WAVES
INFRASTRUCTURE



Overview

We design, build and implement treatment plants to meet not only current requirements and regulations, but also comply with those that are emerging. Watertec is committed to quality and preservation of the environment.

Waves Infrastructure Profile

Waves is involved in Engineering, Procurement, Construction, Testing and Commissioning of Wet Infrastructure Projects such as Sewage Treatment Plant along with Utilities, Pumping Station, Transmission mains Pipelines, District Cooling System, Seawater Intake & Outfall and Vacuum Sewage.

Our Services

- Pumping Stations and its Rising Mains
- Transmission Pipelines
- District Cooling System
- Sewage Treatment Plant
- Industrial Waste Water Treatment Plant
- Air Odour Control System
- Seawater Intake and Outfall
- Operation and Maintenance

Waves is involved in the following businesses:

WAVES
POOLS



WAVES
INFRASTRUCTURE



WAVES
SPORTS



WAVES
LANDSCAPE



- **Pumping Stations and Its Rising Mains**

Waves has been involved in the construction of sewage pumping stations.



- **Transmission Pipeline**

- **Tankered Septage Reception Facilities**



- **Vacuum Booster Plant/Pumping Station**



Sewage Treatment Plant

Wastewater is the by-product of many uses of water. Usually it is treated prior to disposal, to protect public health and the environment but lately the trend is to recycle treated water for restricted application and to save the ground water exploitation.

Sewage is a part of the wastewater community. It has to be treated to protect environment, ground water and surface water, soil, air, flora and fauna. Recently the concept of decentralized sewage treatment started. It involves handling and treating the generated sewage within premises. This service includes purifying and reclaiming contaminated water, rejected from communities and commercial establishments for safe disposal to environment.



District Cooling System

A district cooling system distributes thermal energy in the form of chilled water or other media from a central source to multiple buildings through a network of underground pipes for use in space and process cooling. District Cooling System has been used in business districts and institutional settings, such as College and University campuses.

Primary Components:

- Central Plant - include the cooling equipment, power generation and thermal storage.
- Distribution or Piping Network - often most expensive portion of the district cooling system.
- Consumer System - usually comprise of air handling units and chilled water piping in the building.

Qatar Cool

Scope Of Work:

- Detailed design (Architectural, Mechanical, Electrical and Structural)
- Cooling tower installation
- Cooling tower piping & valves installation
- Filtration, Overflow pipes, Chemical cleaning
- Louvers and access ladders installation
- Roof parapet work, Concrete slab, Beams & Columns



Barwa Al Baraha Project - Qatar

This is one of the remarkable projects of Barwa Real Estate Company in Doha's new industrial area number 52. This project comprises of 2 phases, first is for truck parking and second is for huge staff accommodations and related facilities (for about 55,000 persons).

Waves contracted with Barwa for engineering, procurement, construction of 12,000m³/Day Sewage Treatment Plant in turn key basis, based on conventional activated sludge process, extended aeration based on following features.

- Automated fine screening and compaction
- Vortex - type degritting, sand classification & FOG removal
- Surface Aeration and clarification by half bridge peripheral driven clarifier
- Automated backwash filtration with filter feed pump house & disinfection of cleaned sewage
- Sludge dewatering using Belt Filter Press and Automated Polymer Solution Preparation Unit
- Air Odour Control Unit using Photoionization Technique
- 11,000m³ Storage facility (top closed) for Treated Sewage Water
- Treated sewage water based deep bore well injection facilities pumping station
- Fully monitored & Controlled by PLC - SCADA based automation



Operation and Maintenance

Waves provides complete solutions for every drop of waste water treatment generated interms of Operation, Maintance, Refurbishment & Upgradation and Compliance Consulting on the basis of following.

- Extensive capabilities & Experience serve clients by turnkey service solutions, Improving the environmental Compliance at minimal Expenditure.
- Ability to develop and implement optimized & Cost Effective Operation and Maintenance Waste water treatment solutions.
- 24 X 7 Services and Solutions for Government and Private Organisations throughout state of Qatar.
- Service Facilities ranges from 100 CMD thro municipal sized Waste Water Treatment Plants.



ويفز للتجارة والمقاولات ك. م. م .
WAVES TRADING & CONTRACTING W.L.L.

6th Floor Bldg Number 24
Zone 26 Street No. 940
Al Najma Doha, Qatar
P.O. Box : 82431 Doha, Qatar

Tel.: +974 4441 6319
Fax: +974 4441 6312
info@waves-qatar.com
www.waves-qatar.com