



Septech Emirates LLC Water & Mobile Water Projects

MOBILE WATER

OIL & GAS

MUNICIPAL

DESALINATION

POWER

MINING & RESOURCES

UTILITIES MANAGEMENT

Temporary Steam Production, Desalination Plant, Jizan, KSA



Temporary Steam Production, Desalination Plant, Jizan, KSA

CASE STUDY

- PROJECT NAME:** Temporary Steam Production Project Jizan Refinery, KSA
- PROJECT LOCATION:** 8,400m³/day of product water
- PROJECT SIZE:** Containerised Desalination System. Sea water MMF containers, SWRO containers complete with CIP and chemical dosing's container etc.
- SERVICES PROVIDED:** The design, engineering, manufacture, commissioning and operations.
- PRODUCTS PROVIDED:** The design, engineering, manufacture, commissioning and operations.



Desalination Water Treatment for Injection, Qatar



ASR Schlumberger – Seawater reverse Osmosis Desalination system



Desalination Water Treatment for Injection, Qatar

CASE STUDY

PROJECT NAME:	Desalination Water Treatment for Injection
PROJECT LOCATION:	Qatar
PROJECT SIZE:	90,000m ³ /day of product water
SERVICES PROVIDED:	The Design, engineering, Manufacturing and Commissioning and operations. Pre- Treatment media filtration system. Seawater reverse osmosis desalination system. Energy recovery.
PRODUCTS PROVIDED:	Seawater reverse osmosis desalination system. Clean in place, Piping support system.



We built the largest marine exhibit in the Middle East - The Ambassador Tank at Atlantis



Atlantis, The Palm, and Aquaventure, Dubai, UAE

CASE STUDY

- PROJECT NAME:** Atlantis
- PROJECT LOCATION:** Atlantis, The Palm, Dubai, UAE
- PROJECT SIZE:** 990,000m³/day of product water (US Gal 261,530,332/day)
- SERVICES PROVIDED:** The supply, installation and commissioning of all the Life Support Systems (LSS) required to sustain the aquatic exhibits at Atlantis, complete with the mechanical plant equipment and servicing of the freshwater applications, i.e. the rides & slides for Aquaventure.
- PRODUCTS PROVIDED:** Sand filters, heat exchanges, pumps, strainers, ozone generating equipment, compressors, chemical dosing, foam fractionators, UPVc pipe systems ranging from 1" through to 24", valves & fittings



The Tiger Woods, Dubai, UAE



The Tiger Woods, Dubai, UAE

CASE STUDY

- PROJECT NAME:** Al Ruwaya Course - Water Infrastructure
- PROJECT LOCATION:** Tiger Woods Golf Course, Dubai
- PROJECT SIZE:** 5,000m³/day of product water (US Gal 1,320,860/day)
- SERVICES PROVIDED:** On-site mobilisation, installation, all civil works, commissioning, operations and maintenance
- PRODUCTS PROVIDED:** Low velocity filtration systems, chemical dosing units, R.O. plant with fouling resistant membranes

Saadiyat Island, Abu Dhabi, UAE



Saadiyat Island's SWRO Plant for producing 10 million litres of product water per day



Saadiyat Island, Abu Dhabi, UAE

CASE STUDY

- PROJECT NAME:** Saadiyat Island – Stage 1 Water Infrastructure
- PROJECT LOCATION:** Saadiyat Island, Abu Dhabi, UAE
- PROJECT SIZE:** 10,000m³/day of product water (US Gal 2,641,721/day)
- SERVICES PROVIDED:** On-site mobilisation, installation, all civil works, commissioning, operations and maintenance
- PRODUCTS PROVIDED:** Sea water intake system, media filters, chemical dosing units, sea water reverse osmosis plant



Al Ghubrah Desalination Plant, Muscat, Oman



The region's largest Mobile Water Plant -
The Al Ghubrah 5 MIGD Mobile Water Plant



Al Ghubrah Desalination Plant, Muscat, Oman

CASE STUDY

- PROJECT NAME:** Al Ghubrah 5 MIGD Mobile Water Treatment Plant
- PROJECT LOCATION:** Muscat, Oman
- PROJECT SIZE:** 22,700m³/day of product water (US Gal 5,996,705/day)
- SERVICES PROVIDED:** Design, Installation and Operation of Plant
- PRODUCTS PROVIDED:** Sea water intake pipework, break and storage tanks, multimedia filter containers, seawater RO containers, low pressure pumps, chemical dosings, air blower, 33KV & 11KV transformers and switchgear and all pipeworks, chemical storage building and on-site offices



MEED Quality Award 2011 Winner:
GCC Water Reuse Project of the Year

Septech's Mobile Water Plant in Domestic Solid Waste Management Center, Qatar - producing 720m³ of demineralised water per day

DSWMC - Keppel Seghers Engineering

CASE STUDY

- PROJECT NAME:** DSWMC Domestic Solid Waste Management Center
PROJECT LOCATION: Doha, Qatar
PROJECT SIZE: 720m³/day demineralised water (US Gal 190,204/day)
SERVICES PROVIDED: Design, Supply, Installation, Operation and Maintenance of Plant
PRODUCTS PROVIDED: 1 No. Mobile Brackish Water Reverse Osmosis Unit and 1 No. Demineralisation Unit



Oxy Oil Field - GAP RO, Mukhaizna, Oman



The supply of high quality and polished feed water for the Oxy Oil Field was made possible by our Mobile Water Technology



Oxy Oil Field - GAP RO, Mukhaizna, Oman

CASE STUDY

- PROJECT NAME:** Supply of high quality and polished feed water for Steam Generation- GAP RO
- PROJECT LOCATION:** Mukhaizna, Oman
- PROJECT SIZE:** 12,000m³/day of product water (75,500 barrels/day or US Gal 3,170,064)
- SERVICES PROVIDED:** Supply, installation and operation of sea water MMF containers, softener units, SWRO containers complete with CIP and chemical dosings
- PRODUCTS PROVIDED:** Sea water MMF containers, SWRO containers complete with CIP and chemical dosings container, softener units, DG interface panel, instruments, etc.

Saadiyat Island's Temporary Water Solution
- Septech's Mobile Water Technology

Saadiyat Island, Abu Dhabi, UAE

CASE STUDY

- PROJECT NAME:** Saadiyat Island – Temporary Mobile Water Solution
- PROJECT LOCATION:** Saadiyat Island, Abu Dhabi
- PROJECT SIZE:** Desalination production 1,000m³/day (US Gal 264,172/day)
- SERVICES PROVIDED:** On-site mobilisation, installation, all civil works, commissioning, operations and maintenance
- PRODUCTS PROVIDED:** Sea water intake system, media filters, chemical dosing units, sea water reverse osmosis plant



Iberdrola Power Station, Doha Qatar



Septech's Mobile Water Units solution -
Producing 4,500m³/day from Brackish water at
Iberdrola Power Station



Iberdrola Power Station, Doha Qatar

CASE STUDY

- PROJECT NAME:** Iberdrola Power Station Start-up and Commissioning
PROJECT LOCATION: Doha, Qatar
PROJECT SIZE: Brackish RO producing 4,500m³/day (US Gal 1,188,774/day)
SERVICES PROVIDED: On-site mobilisation, installation, all civil works, commissioning, operations and maintenance
PRODUCTS PROVIDED: Brackish water system, media filters, chemical dosing units, brackish reverse osmosis plant



The Bahrain Redevelopment Project is a joint venture between nogaholding (the business and investment arm of Bahrain's National Oil & Gas Authority), Occidental Petroleum Corporation and Mubadala Development Company

Tatweer Petroleum (Enhanced Oil Recovery using OTSG)

CASE STUDY

PROJECT NAME: Tatweer Petroleum
PROJECT LOCATION: Awali Oil Field, Bahrain
PROJECT SIZE: 2,250m³/day of product water
SERVICES PROVIDED: Design, Engineering, Procurement, Assembly, Start-Up and Commissioning
PRODUCTS PROVIDED: Multimedia Filtration, Brackish Water Reverse Osmosis, Softener (WAC and SAC)



Pearl Dive Pool Project, Dubai, UAE



The region's deepest diving tank experience
Setech's latest water project



Pearl Dive Pool, Dubai, UAE

CASE STUDY

- PROJECT NAME:** Pearl Dive Pool
- PROJECT LOCATION:** Nad Al Sheba, Dubai, UAE
- PROJECT SIZE:** 74,400m³/day of Product water
- SERVICES PROVIDED:** Construction of an indoor scuba diving facility including design, fabrication, delivery, factory testing, site assembly, installation, site testing & commissioning of the aquatic systems.



Septech's MBBR Technology treats 1,000m³ of waste water per day at Al Reef Villas

Al Reef Villas, Abu Dhabi, UAE

CASE STUDY

PROJECT NAME:	Al Reef Villas
PROJECT LOCATION:	Abu Dhabi, UAE
PROJECT SIZE:	STP processing 1,000m ³ /day
SERVICES PROVIDED:	Concept, design and installation of STP for Al Reef Villas (1,100 villa complex)
PRODUCTS PROVIDED:	STP with Moving Bed Biological Reactor (MBBR) producing water suitable for irrigation purposes



Wadi Al Helo, Sharjah, UAE



Septech's UTB Technology - Sharjah Municipality's choice for Wadi Al Helo Community



Wadi Al Helo, Sharjah, UAE

CASE STUDY

- PROJECT NAME:** Wadi Al Helo Villas (80 nos. villas)
- PROJECT LOCATION:** Wadi Al Helo, Sharjah, UAE
- PROJECT SIZE:** STP processing 70m³/day
- SERVICES PROVIDED:** Supply and Installation of Sewage Treatment Plant
- PRODUCTS PROVIDED:** Underground Trickling Biofilter (UTB)

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