



Septech Reverse Osmosis Plants

SHL Global Investments

SHL Global Investments is a leading investor operating in the global growth markets across Asia, Africa, Latin America and the Middle East. Since inception, it completed the acquisition of industry recognised brands including Septech, New Water Corporation and a number of specialised engineering, manufacturing and technology companies across the G.C.C., thereby creating the deepest bench of engineering experience across global growth markets. Employing over 400 people, the Group has 10 country offices and 7 manufacturing facilities spread across 3 regional hubs in Australia, Spain and the United Arab Emirates.

Local presence across these markets provides the group with unmatched expertise, know-how, proprietary transactional access and the ability to grow partner businesses across borders. SHL Global Investments shareholders and management currently manage sector and in-country value (ICV) specific investments for these subsidiary group companies, encompassing full-service Asset Management, Investment Banking, Private Equity and Finance.

Investments managed by the group have holdings in sectors including manufacturing, water infrastructure, engineering and oil and gas. The group's current portfolio of shareholders include industry leaders and private long-standing investors.

The group has set the standard for infrastructure related investments through its investment into a regionally built infrastructure wastewater business which started in 1997 and has 16 years of proven track records for delivering projects on time and budget, the highest corporate governance and transparency and a wealth of capabilities to take on projects of almost any calibre from an engineering or financial standpoint. Expanding on this investment, SHL Global Investments further invested into New Water Corporation (NWC) and its world class recognised team to cement its position as one of the most advanced integrated water and wastewater engineering companies globally which currently holds some of the most advanced Intellectual Property available in the market. Through this investment, the formation of New Water Corporation was integrated into the portfolio of SHL and a globally recognised team has emerged today capable of handling a wider range of the world's challenges in the water industry globally.

SHL Global Investments is committed to the highest environmental, stakeholder engagement and corporate governance standards. The group's subsidiaries have leading industry recognised certifications and registrations which are all fully compliant to the highest standards available in the industry. The group has supported best in class organizations focused on entrepreneurship and job creation, community engagement and impact on the economic landscape of the markets in which it operates.

Septech Reverse Osmosis Plants to produce fresh water:

Septech is a leading engineering company involved in the water treatment and commercial water purification systems. We offer a wide range of solutions for all water purification needs.

Reverse osmosis membrane technology is used to separate dissolved impurities from water. The separated dissolved salts are continuously removed from out of the membrane system through the reject water. Pressure is used as the driving force for the separation. The applied pressure must be higher than the osmotic pressure of the feed / salty water to allow flow of fresh water through the membrane.

Products Offered:

- Brackish / Tap Water Reverse Osmosis plant
- Sea Water Reverse Osmosis Plant
- Double Pass Reverse Osmosis plants to produce ultra pure water
- Re-cycle plants for Treated Sewage Effluent & Cooling tower blow down
- Ultra-Filtration Systems
- Pressure sand filters, carbon filters and micron filters
- Sterilisation / Disinfection units
- Spares & Consumables.

Septech's in-house design capability delivers pre-engineered systems built with high quality components and ready to run with all necessary features. Our innovative approach will provide an economical solution to your water treatment needs.



Saadiyat Island, Abu Dhabi, UAE



Reverse Osmosis Plants to produce fresh water:

Nature of Feed Water: Direct Sea Intake / Beach Well / Bore Well

Standard Sizes: 100 m³/day, 250 m³/day, 500 m³/day, 1000 m³/day and 1500 m³/day.

(Larger and specific sizes are available upon request)

Features of Commercial & Industrial Reverse Osmosis Plants:

- Adequate pre-filtration
- Appropriate pre-treatment chemicals
- Premium quality High Pressure Pumps
- Glycerine filled 316 SS pressure gauge
- Product & Reject flow meters
- TFC spiral wound membranes
- FRP membrane housing
- Energy Recovery systems on high brackish and Sea water plants
- Automatic feed water shut off valve
- Easy access control panel
- Low & High pressure switches
- Instruments and controls

Services:

- Annual Maintenance and Service Contracts 365 days/year
- Operation & Maintenance Contracts
- Design, Build, Own, Operate & Transfer
- Spares & Consumables



The Tiger Woods, Dubai, UAE

Why Septech?

- A world-class diverse management team, consisting of water infrastructure specialists with local and global expertise
- A mature and solid financial base
- A prestigious shareholder profile
- A symbiotic business unit structure, allowing the tailoring of complete project solutions: from design through to execution and maintenance
- Exclusive regional manufacturing and license agreements with global leaders
- A regional home base with presence in neighbouring Middle Eastern countries
- Specialised design-build-operate management capabilities
- Purpose built manufacturing facilities throughout the UAE
- Dedication to adhering to the most stringent global standards for manufacturing and environmental awareness
- ISO 9001:2008 Accreditation
- Compliance with IFRS Accounting Standards

SEPTTECH SIGNATURE PROJECTS



Al Ghubrah Desalination Plant

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

Project Name: Al Ghubrah 5 MIGD Mobile Water Treatment Plant
Client/Operator: Public Authority of Electricity & Water
Location: Muscat, Oman
Project Size: 22,700m³/day of product water
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



Atlantis, The Palm, and Aquaventure

Project Name: Atlantis
Client/Operator: Kerzner
Location: Atlantis, The Palm, Dubai, UAE
Project Size: 990,000m³/day of product water
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



Saadiyat Island

Project Name: Saadiyat Island – Stage 1 Water Infrastructure
Client/Operator: TDIC
Location: Saadiyat Island, Abu Dhabi, UAE
Project Size: 10,000m³/day of product water
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



Oxy Oil Field - GAP RO

Project Name: Provision of Short Term Steam Generator Feed Water Supply – GAP RO
Client/Operator: Occidental Mukhaizna
Location: Mukhaizna, Oman
Project Size: 12,000m³/day of product water
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..



Iberdrola Power Station

Project Name: Iberdrola Power Station Start-up and Commissioning
Client/Operator: Iberdrola
Location: Doha, Qatar
Project Size: 4,500m³/day of product water
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 Tiger Woods

Project Name: Al Ruwaya Course - Water Infrastructure
Client/Operator: Tatweer
Location: Tiger Woods Golf Course, Dubai, UAE
Project Size: 5,000m³/day of product water
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



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