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KKIA RIYADH

AIRPORT SEWAGE TREATMENT PLANT

2023




Location: Saudi Arabia

Plant Type: Sewage Treatment Plant

End User: Riyadh Airports

The project involves the upgrade of the sewage treatment network and the expansion of the wastewater treatment plant (UWN) of the King Khalid International Airport (Riyadh), with a full replacement and installation of new fuel loops in Terminal 3 and Terminal 4 and another additional loop for concourse H.





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RIYADH AIRPORTS

 **مطارات الرياض**
riyadh airports





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KING FAISAL

AIR ACADEMY STP LIFTING & IRRIGATIONS

2023




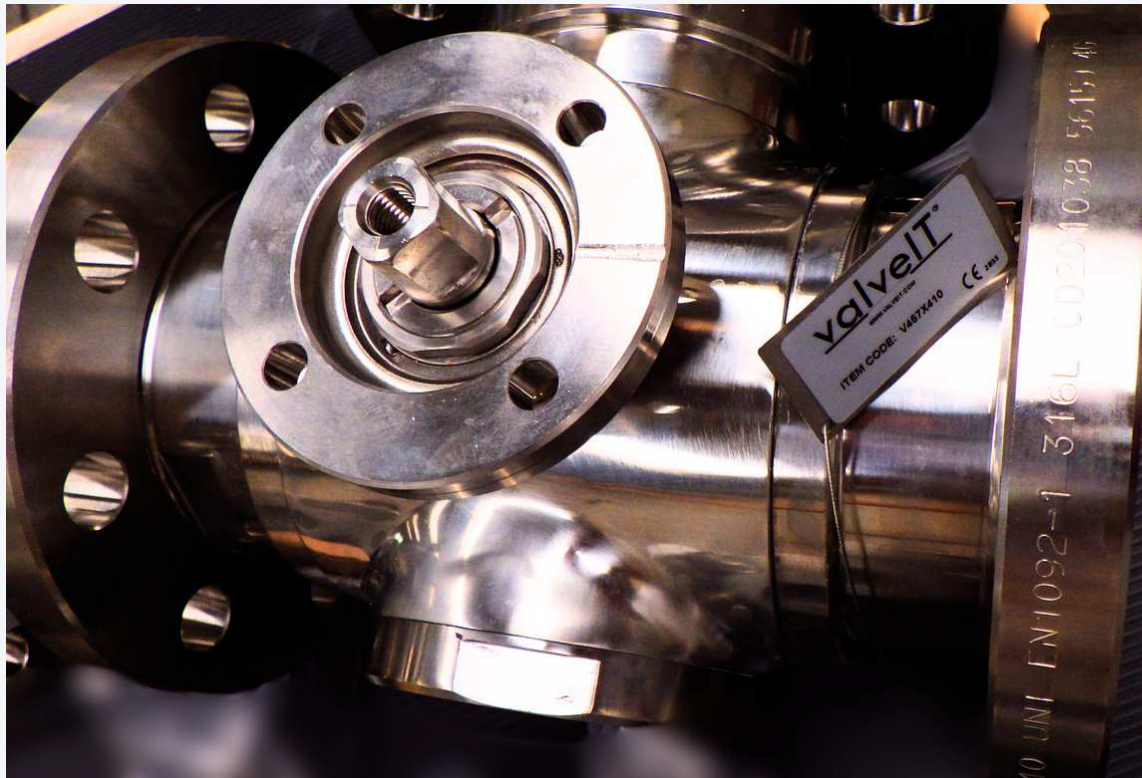
Location: Saudi Arabia

Plant Type: Sewage Treatment Plant

End User: Royal Saudi Air Forces

The project involves the construction of lifting and irrigation stations for the King Faisal Air Academy Sewage Treatment plant. The plant, located in Al Majma'ah (Riyadh Province) consists of a number of lifting stations that serve the entire air academy complex in addition to the main irrigation tanks, water hammer system and odour control systems. The King Faisal Air Academy is a military officer academy and flight school founded on 10 January 1968.





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SHUQAIQ III

450.000 M³/DAY SWRO PLANT

2023




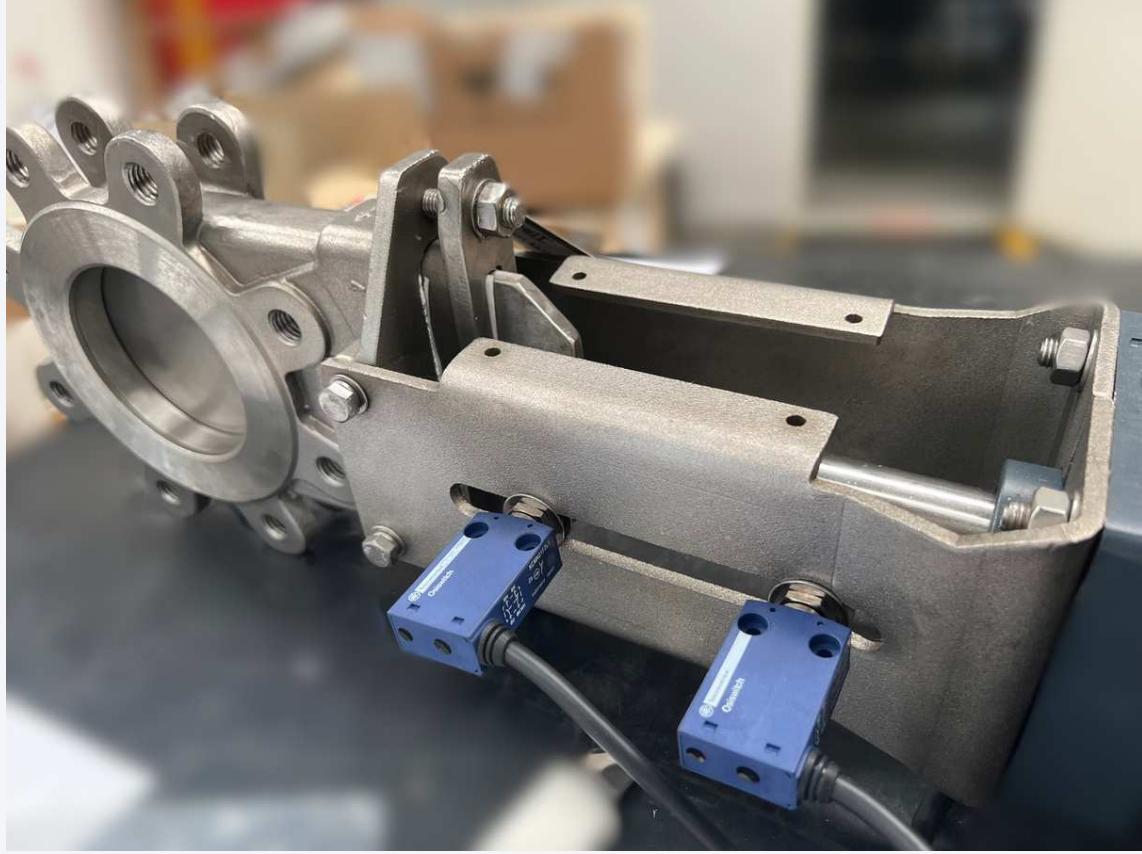
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: Saudi Water Partnership Co.

The project involves the construction of one of Saudi Arabia's biggest desalination plants, using reverse osmosis technology and with a capacity to process 450,000 cubic metres per day, to cater for a population of 2 million people. It also incorporates a solar photovoltaic facility to reduce its specific power consumption.





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SHOAIBA PH1

REPLACEMENT OF ENDED LIFETIME ASSETS

2023



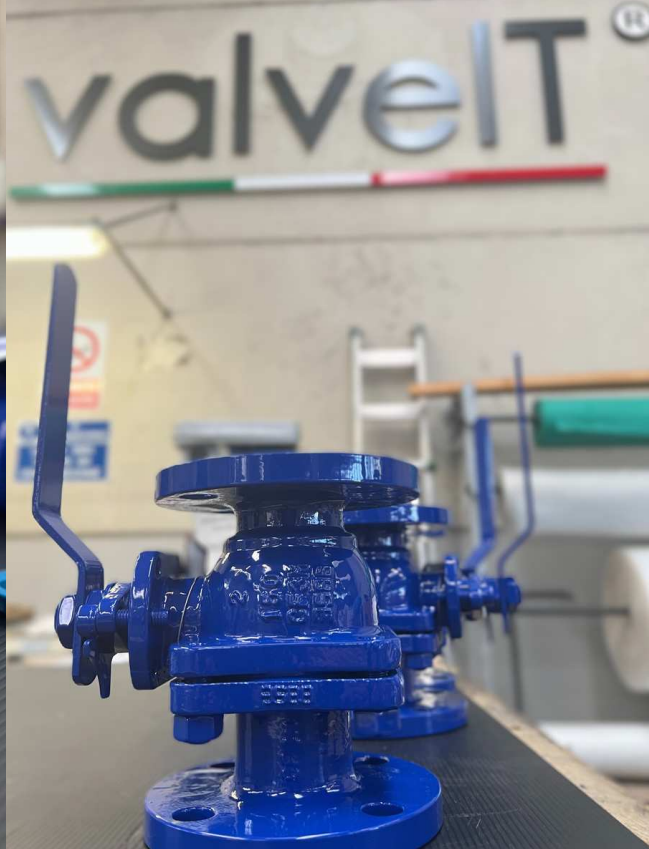
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the replacement of ended lifetime technologies and assets of the Shoaiba desalination plant Phase 1. The Shoiaba Desalination Plant is an oil-fired, combined cycle gas turbine power and desalination complex in Saudi Arabia on the Red Sea coast, around 120 kilometres south of Jeddah. It is one of the world's largest fossil fuel power plants, and the world's third largest integrated water and power plant.





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MAKKAH AL MOGHAMMAS RESERVOIR 2023




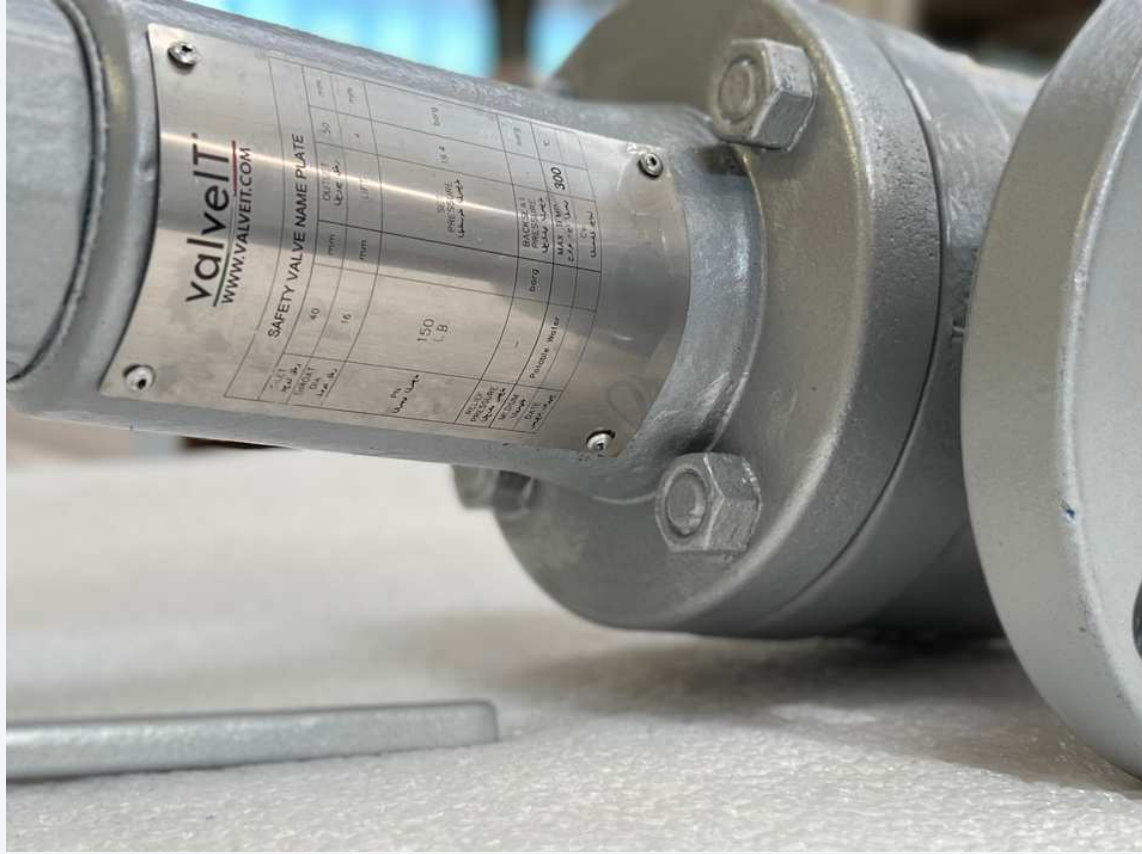
Location: Saudi Arabia

Plant Type: Water Treatment Plant

End User: SWCC - Saline Water Conversion Company

The project involves the construction of Package C independent strategic water reservoir (ISWR) with a capacity of 2,400,000 cubic meter in the Makkah region. Package C will include the laying of pipeline works for buildings and linking stations, security fences, and flood protection. This package is intended to complete the 17 strategic reservoirs located in Makkah, Al Sharay & Al Hada region each having a capacity of 170.000 m³/day of potable water.





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شركة نقل وتقنيات المياه
WATER TRANSMISSION AND TECHNOLOGIES CO.





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JUBAIL PH2

REPLACEMENT FOR ENDED LIFETIME ASSET

2023




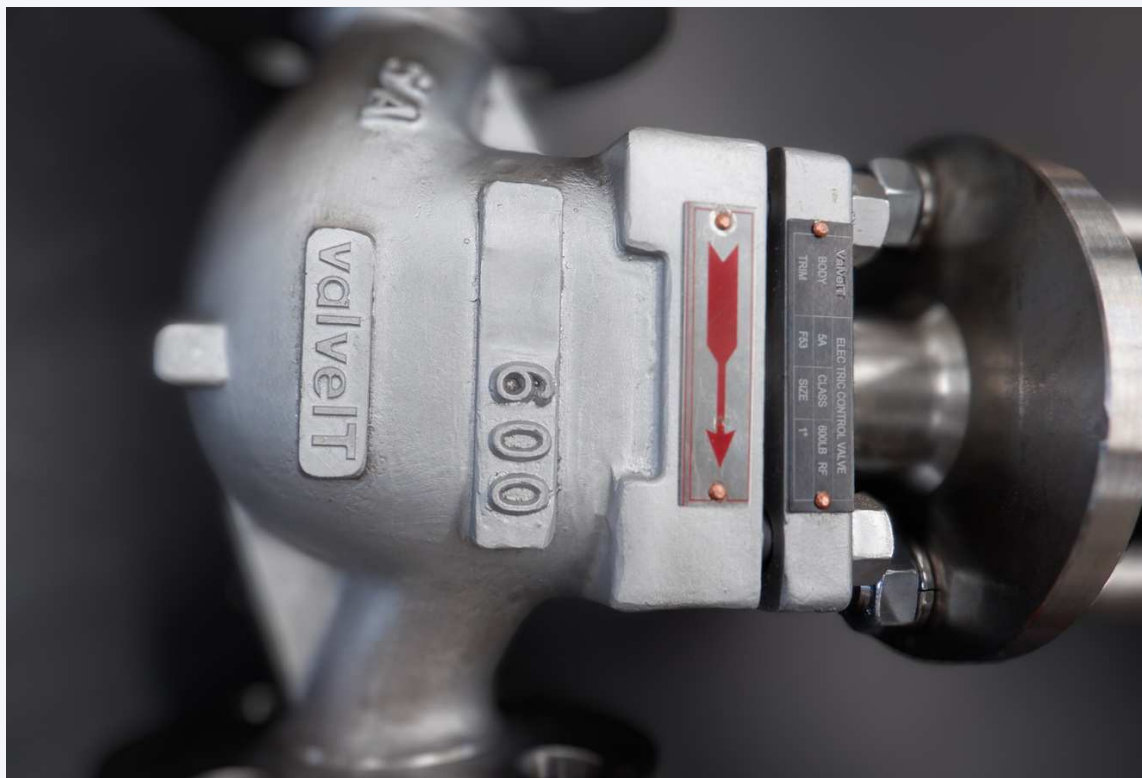
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the replacement of ended lifetime technologies and assets of the Al Jubail desalination plant Phase II. The Jubail Seawater Reverse Osmosis Plant (SWRO) is an additional part of the Al Fatah Water and Power project located in Jubail, Saudi Arabia. The plant is designed to extract 20,000m³ of filtered water per day via an intake structure from beach wells.





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JUBAIL

AIR PRODUCTS QUDRA 7.440 M3/DAY WWTP

2022




Location: Saudi Arabia

Plant Type: Waste Water Treatment Plant

End User: Air Products Qudra

The project involves the construction of a Waste Water treatment plant for demineralization purpose of the Air Products Qudra Jubail Plant. Air products Qudra plant includes a world-scale steam methane reformer (SMR) to produce hydrogen; an air separation unit (ASU) to produce oxygen and nitrogen; hydrogen pressure swing adsorption (PSA) units to recover hydrogen from off-gases and the comprehensive pipeline networks to connect and transport industrial gases.





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AIR PRODUCTS QUDRA





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AL JUBAIL II

400.000 M3/DAY SWRO PLANT

2021



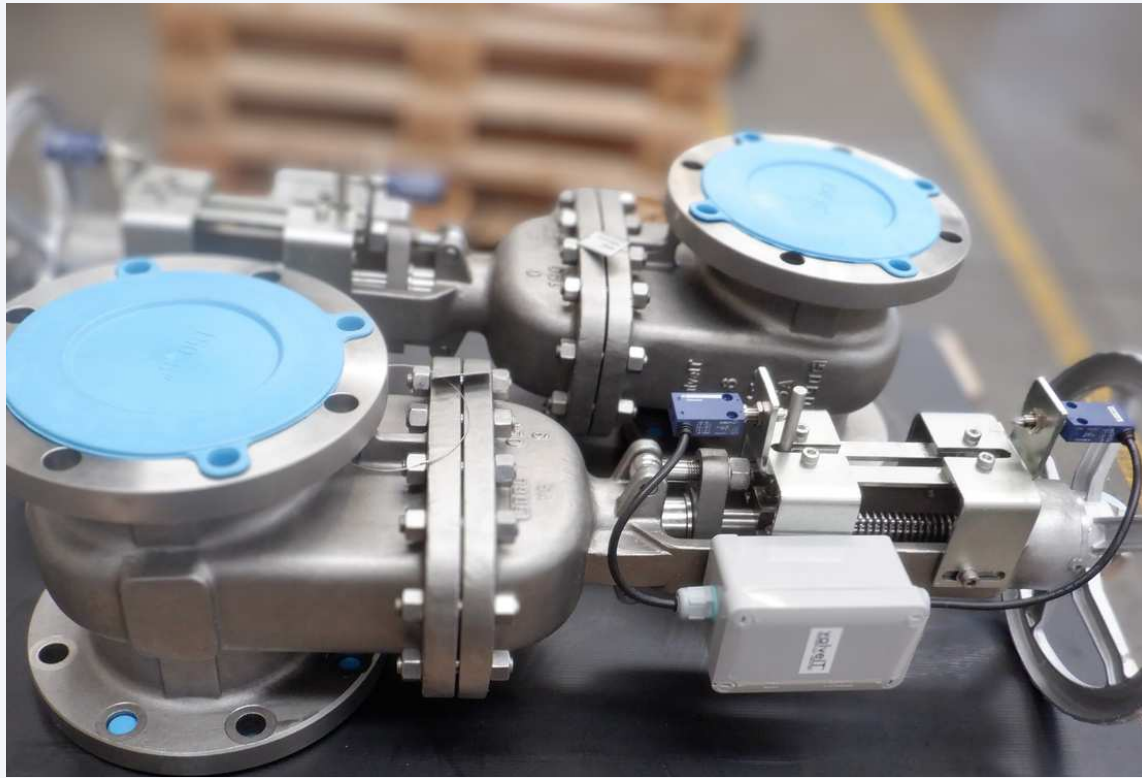
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the construction of the 400,000m³/day Jubail II seawater reverse osmosis (SWRO) plant. The plant serves the Jubail city in the Eastern province of KSA, home of the largest industrial city in the world. The Jubail II project located on the east coast; home of the record-breaking power plant and the world's largest desalination plant using modern hybrid desalination technology is a prestigious and challenging project serving a strategic community of local and international significance.





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Location: Saudi Arabia

Plant Type: Water Treatment Plant

End User: SWCC - Saline Water Conversion Company

The Shoaiba power and desalination plant is an oil-fired, combined cycle gas turbine power and desalination complex in Saudi Arabia on the Red Sea coast, around 120 kilometres south of Jeddah. It is one of the world's largest fossil fuel power plants, and the world's third largest integrated water and power plant. The Shoaiba Nanofiltration Magnesium plant scope is to add magnesium to product water in Shoaiba Desalination Plant Phase 4 increasing so the quality of the potable water itself.





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QASSIM TAIF

NGHA HOSPITALS STP PLANT

2021



Location: Saudi Arabia

Plant Type: Sewage Treatment Plant

End User: National Guard Health Affairs of Saudi Arabia

The project involves the construction of the sewage treatment plant for the King Salman Specialized Hospital in Taif city and the King Abdullah Specialized Hospital in Qassim city. Taif Specialized Hospital is a new medical city adjacent to the new MNGHA Saudi Arabian National Guard housing (SANG) development, while Qassim Specialized Hospital is a new medical city located approximately 5 Km to the east of the Qassim airport, near to the Saudi Arabian National Guard housing extension development.





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ALJUBAIL II

400.000 M³/DAY SWRO PILOT PLANT

2020




Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the construction of a pilot plant for the 400,000 m³/day Jubail II seawater reverse osmosis (SWRO) plant. The plant serves the Jubail city in the Eastern province of KSA, home of the largest industrial city in the world. The Jubail II project is located on the east coast; home of the record-breaking power plant and the world's largest desalination plant using modern hybrid desalination technology.



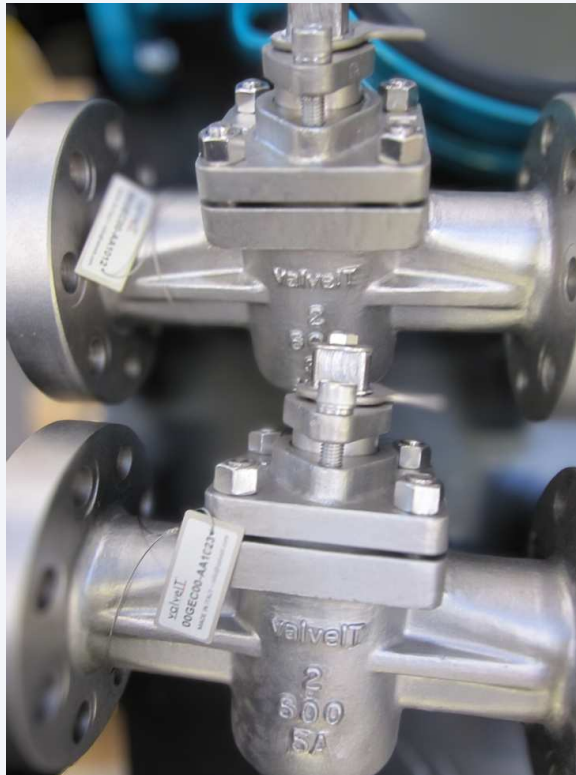


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SEPCO III
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KAUST

RESEARCH PARK UTILITIES SWRO

2020



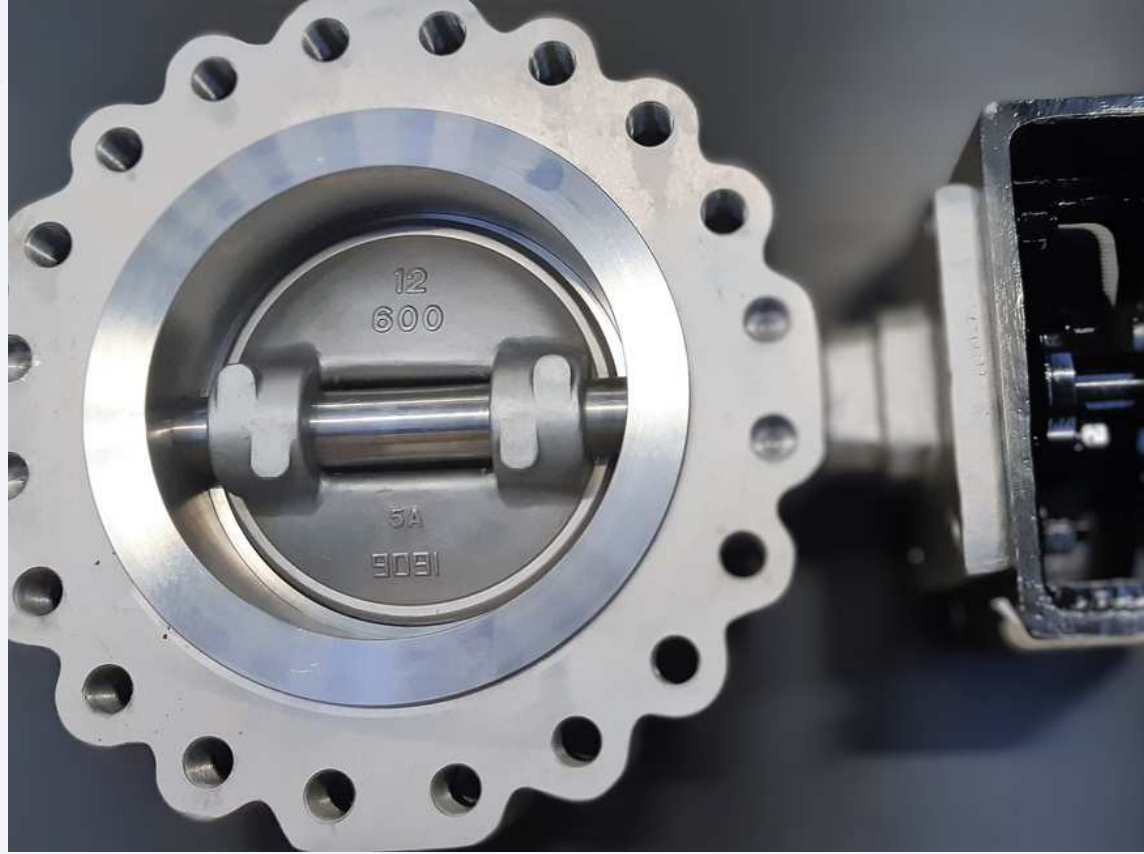
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: King Abdullah University Of Science

The desalination plant has a capacity of 27,000 m³/day which provides both university campus and the local community with potable water, The expansion phase includes the development of a new non-chlorinated sea water intake system, pump station and intake offshore pipeline, as well as the construction of an additional water tank system with new pumps and substation for the existing SWRO Plant. The expansion of the existing Sewage Treatment Plant of the campus has been considered part of the plan.



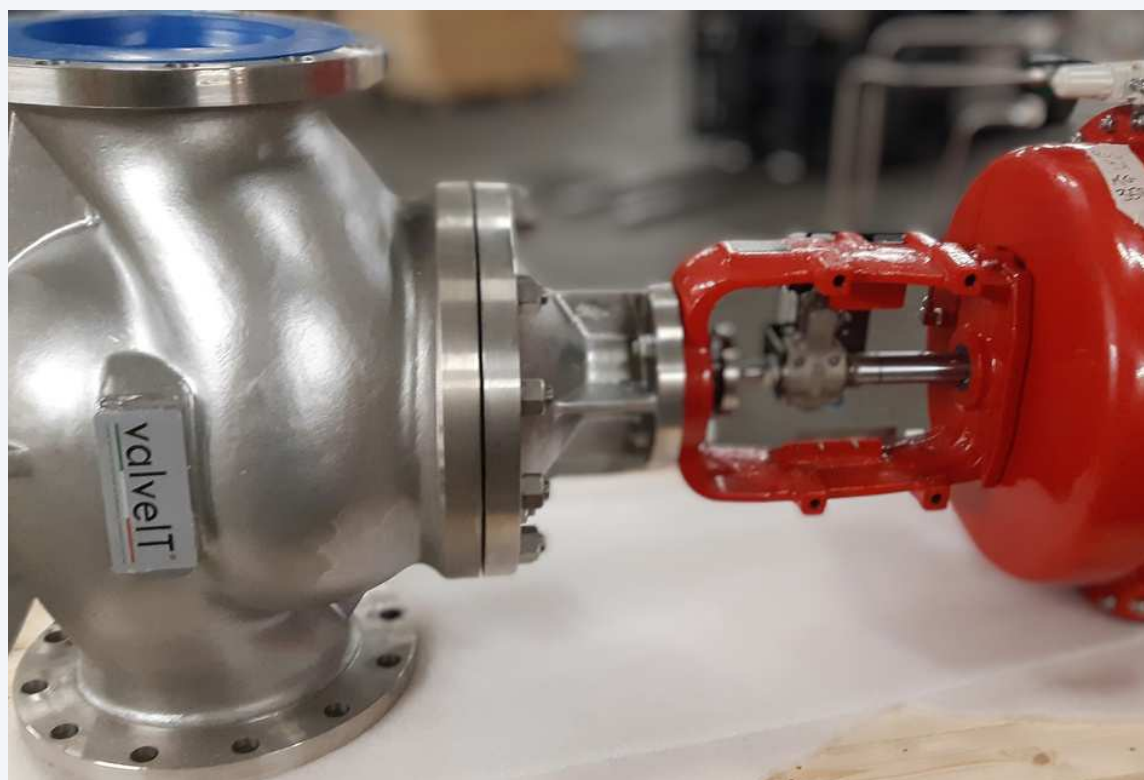


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جامعة الملك عبد الله
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Location: Saudi Arabia

Plant Type: Water Transmission Plant

End User: SWCC - Saline Water Conversion Company

The Shuqaiq Shore Pipeline PLEM is part of the water transmission line of the area. PLEM systems are basically endline subsea manifolds where the flow is split into branches and connected to the production or injection wells located on the subsea templates or manifold via flexible or rigid jumper spools.





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RAS AL KAIR

INDUSTRIAL CITY DESALINATION PLANT

2020



Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the construction of an RO building, switchgear buildings, a wastewater treatment plant, a chemical dosing building, as well as installation of a dissolve air floatation unit and two dual media filters. Ground improvement and backfill works were also carried out across the site of the RO and MSF plants.

The plant is located in the Ras Al Khair Industrial City, 75km north-west of Jubail 6 The plant has a capacity to produce 728 m3/day





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UMM WU'AL

MA'ADEN PHOSPHATE PLANT

2020




Location: Saudi Arabia

Plant Type: Phosphate Plant

End User: Saudi Arabian Mining Company (Ma'aden)

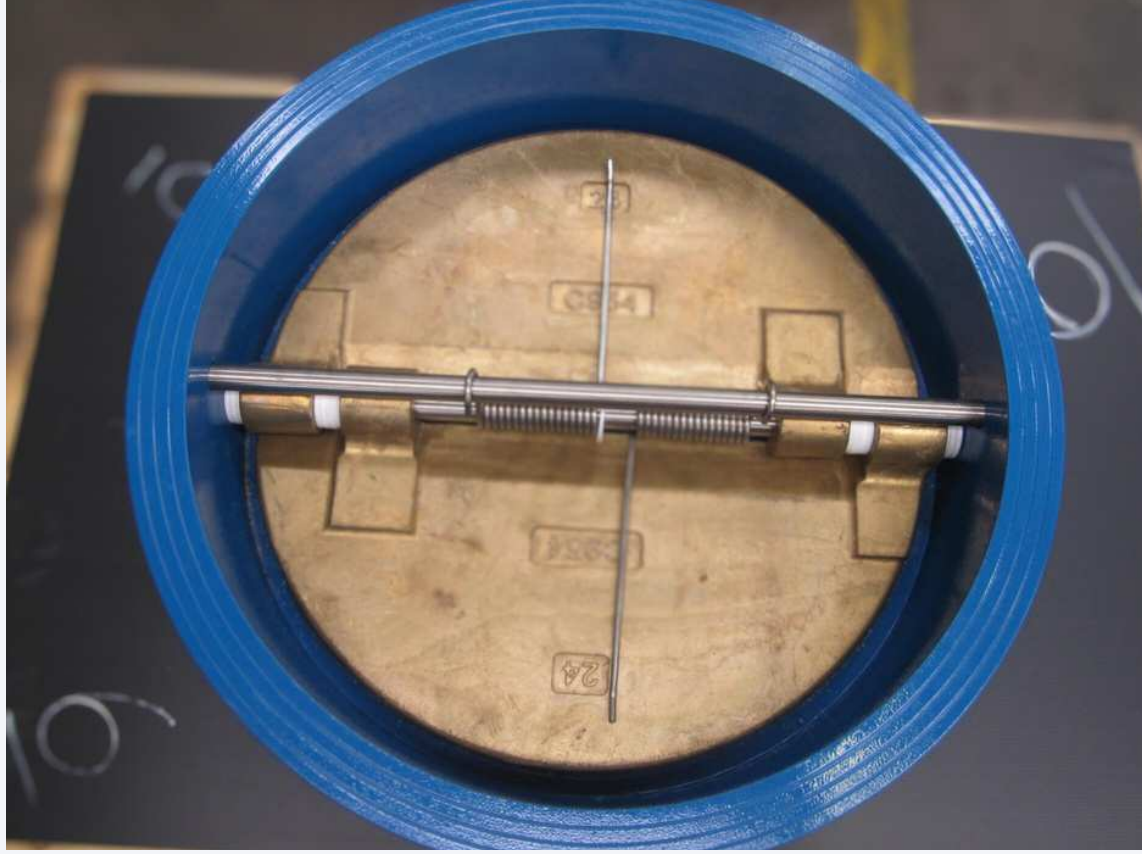
The project involves the construction of a major phosphate resource in the north of Saudi Arabia, to supply merchant grade phosphoric acid to the fertilizer, food and animal feed industries. The greenfield project is located 35 kilometers northeast of Turaif and approximately 100 kilometers to the west of the Ma'aden Phosphate Company beneficiation complex. The overall project requires a power distribution plant and associated infrastructure.





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BARGE

FLOATING DESALINATION PLANT

2019



Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project is based on the construction of No. 3 world's largest floating desalination barges intended for the desalination purpose of Saudi Arabia seawater. Located near Al Shuqaiq port, on the western coast of Saudi Arabia, the barges have a total capacity of 150,000 m³/day which can be dedicated to the country's potable water needs.





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DUBA

SWRO 125,000 M3/D RO PLANT

2019




السعودية العربية

Location: Saudi Arabia

Plant Type: Desalination Plant

End User: SWCC - Saline Water Conversion Company

The project involves the generation of 1 MGD desalination water and 5MW power. Facilities included Diesel Power Generation Plant and power distribution, Reverse Osmosis Desalination Plant and a Transmission Pipeline to Dubai, Seawater intake structure, Water Tower, Control Buildings, Laboratories, Office/ Administration Building, Mosque and Housing facilities.





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RED SEA

NEOM 12.500 M³/DAY SWRO PLANT

2019




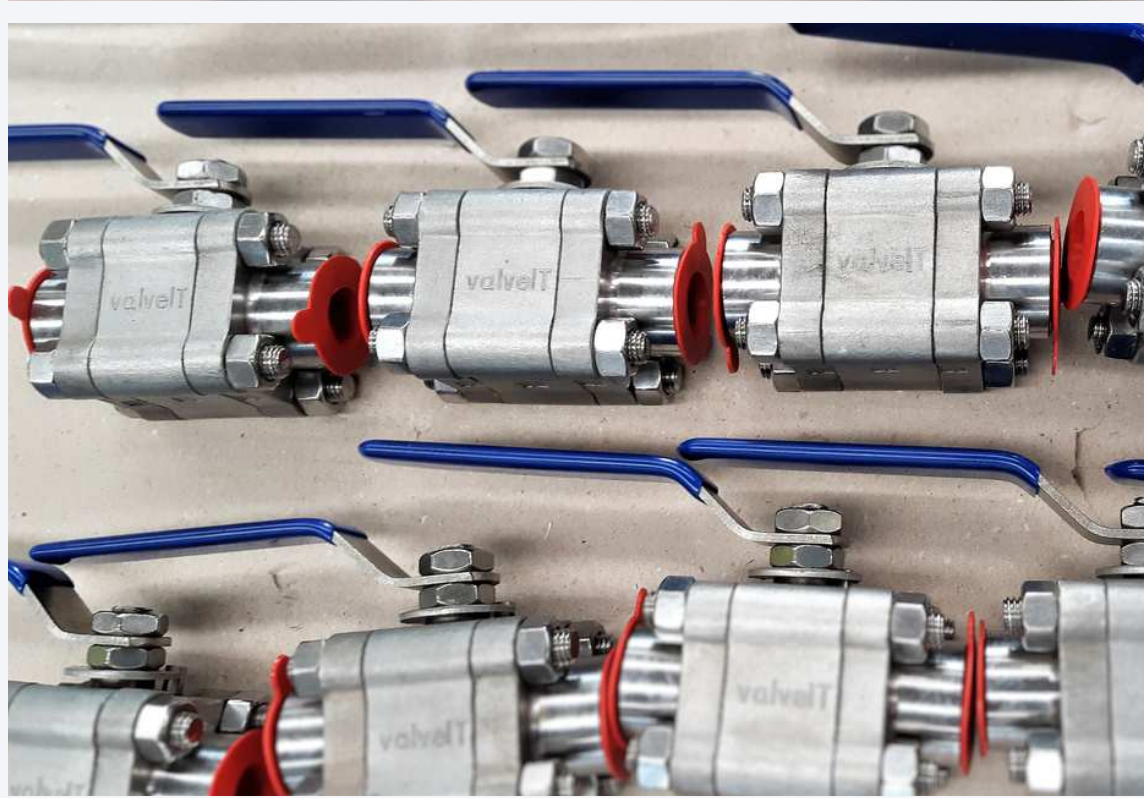
Location: Saudi Arabia

Plant Type: Desalination Plant

End User: The Red Sea Development Company

The Red Sea 12.500 m³/day SWRO Plant is part of The Red Sea Project included in the Saudi Vision 2030 Plan. The Red Sea project is defined "the world's most ambitious and exciting tourism and hospitality project: a luxury destination created around one of the world's last hidden natural treasures, it is one of the projects backed by the Public Investment Fund".





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The Red Sea Development Company



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FADHILI

BACHELOR CAMP STP 1.000 M3/DAY

2019




Location: Saudi Arabia

Plant Type: Sewage Treatment Plant

End User: Saudi Aramco

The project involves the construction of a sewage treatment plant with a capacity of 1.000 m³/day intended for the Fadhili Bachelor Camp Facility. The Fadhili Camp includes the Development & Construction of Residential Buildings and Support Facilities which covers an area of around 687,900 square meters (m²) to accommodate 2,500 employees and other supporting organizations.





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BAYSH DAM

VALLEY BWRO PLANT 150.000 M³/DAY

2019




Location: Saudi Arabia

Plant Type: Desalination Plant

End User: Ministry of Water & Electricity of Saudi Arabia

The project involves the construction of a brackish water treatment plant with a capacity of 150.000 m³/day intended for the Baysh Dam Valley area. The Baysh Dam, constructed between 2003 and 2009, is a gravity dam on Wadi Baysh about 35 km (22 mi) northeast of Baysh in the Jizan Region of southwestern Saudi Arabia. The dam has many purposes including flood control, irrigation and groundwater recharging. With its 106 m (348 ft) height, the Baysh Dam is the tallest dam of Saudi Arabia.





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QUWAY'IYAH

STP 10.000 M3/DAY PLANT

2019




Location: Saudi Arabia

Plant Type: Sewage Treatment Plant

End User: Riyadh Region Municipality

The project involves the construction of a sewage treatment plant with a capacity of 10.000 m³/day intended for the Al-Quway'iyah city. Al-Quway'iyah is a city in Riyadh Province, Saudi Arabia. It is located in the west of Riyadh, 165 km away. It is considered as a major stopping point on Riyadh-Makkah Highway. It is considered to be one of the largest governorates of the Kingdom including a large number of villages of the province and it includes several government departments, colleges and health institutes.





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Location: Saudi Arabia

Plant Type: Water Treatment Plant

End User: Saudi Electricity Company

The project involves the construction of a modular water treatment plant with a capacity of 2.000 m³/day intended for the Riyadh PP12 Power plant. The plant is located 100 KM West of Riyadh City. The grass root combined cycle power plant (PP12) produces a net output of 2,175 MW at ambient temperature of 45 °C utilizing exhaust gases from the gas turbines to generate steam and run the steam turbines themselves.





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SHARMA

COMPLEX SWRO 24,000 M³/DAY

2018




Location: Saudi Arabia

Plant Type: Desalination Plant

End User: Ministry of Royal Court Affairs of Saudi Arabia

The project involves the construction of the the SWRO Plant for the Sharma Complex- The Complex, with an estimated value of around \$4.9 billion, is located in the north-western part of the country, 130 km from Tabuk Province. The scope of works includes five royal residential buildings, a function hall, golf course, landscaping works and infrastructure and utilities





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ALIMAN

GENERAL HOSPITAL 400 M³/DAY SBR

2017




Location: Saudi Arabia

Plant Type: Waste Water Treatment Plant

End User: Ministry of Health of Saudi Arabia

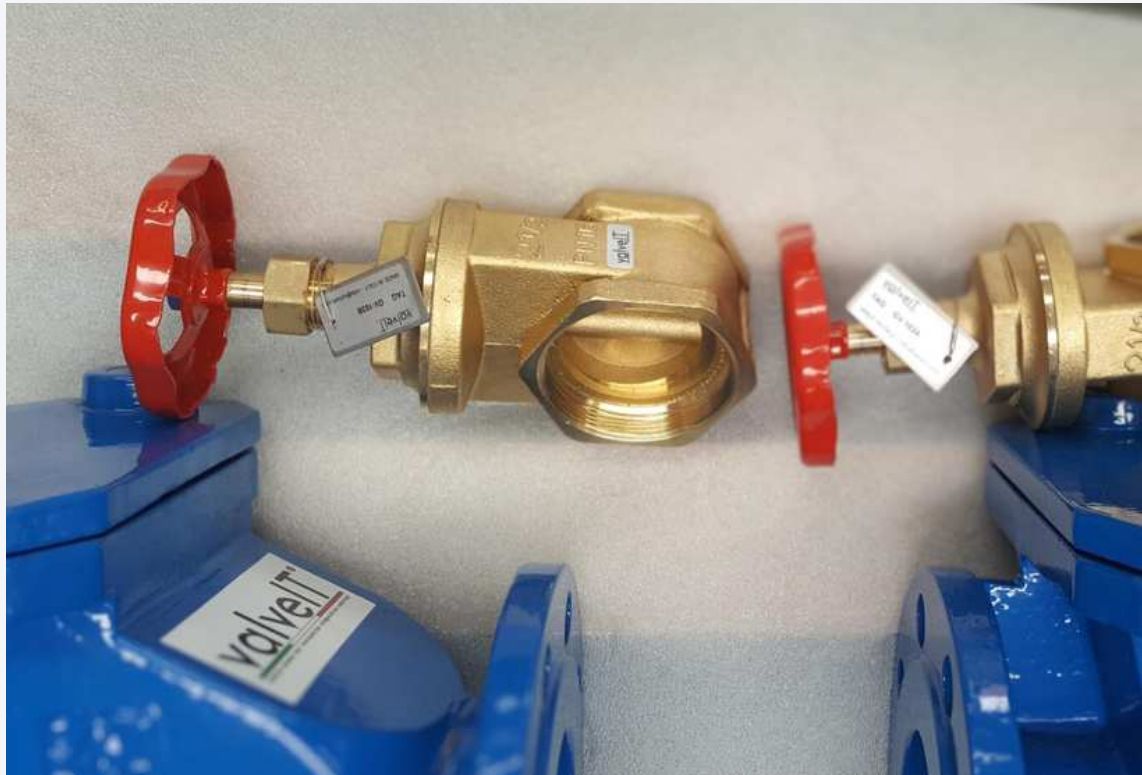
The project involves the construction of an 400 m³/day SBR Plant (Sequencing batch reactor plant). SBR reactors treat wastewater such as sewage or output from anaerobic digesters or mechanical biological treatment facilities in batches. Oxygen is bubbled through the mixture of wastewater and activated sludge to reduce the organic matter.





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MINISTRY OF HEALTH





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JEDDAH

NEW HOSPITAL CLINIC 520 M³/DAY SBR

2017




Location: Saudi Arabia

Plant Type: Waste Water Treatment Plant

End User: Ministry of Health of Saudi Arabia

The project involves the construction of a 520 m³/day SBR Plant (Sequencing batch reactor plant). SBR reactors treat wastewater such as sewage or output from anaerobic digesters or mechanical biological treatment facilities in batches. Oxygen is bubbled through the mixture of wastewater and activated sludge to reduce the organic matter.





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AL FOUZAN TRADING & GENERAL CONSTRUCTION CO.

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HILL INTERNATIONAL
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Hill International



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MINISTRY OF HEALTH



وزارة الصحة
Ministry of Health

