المركز الوطني للتخصيص
NATIONAL CENTER FOR PRIVATIZATION & PPP

West Dammam Independent Sewage Treatment Plant STP Project

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www.ncp.gov.sa

+966 11 835 2354
info@ncp.gov.sa
@NCPSaudi
National Center for Privatization & PPP

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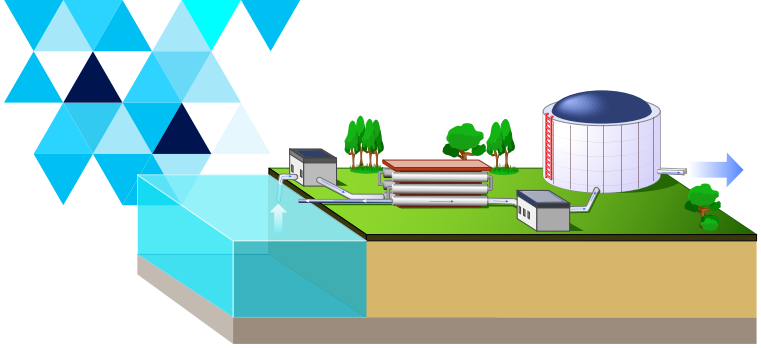
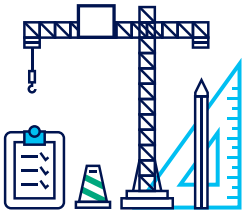


Project West Dammam Independent Sewage Treatment Plant STP Project

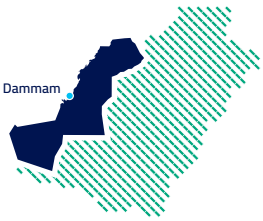


Sector

Environment, Water & Agriculture

Coverage Area

Eastern Province



Design Capacity

350,000 m^3/day

First Phase 200,000 m^3/day.

The Main Objectives of the Project

- Scaling up and sustaining the level of services.
- Enhancing the capacities of the Environment, Water & Agriculture ecosystem.
- Expanding the coverage of the wastewater network.

CASE STUDY

Type of Contract

BOOT

Build Own Operate Transfer

This term means that the private partner will, build, own and operate the plant during the contract term, after which, the project and its elements will be transferred to the government.

Benefits of PPP Contract

- ▪Encouraging the private sector towards investment in the national economy.
- Leverage of the expertise of the private sector in the development of the wastewater sector.
- Risk sharing and allocation between the public and private sectors in a more effective manner so that each party bears the risks that can be managed and dealt with.
- Applying latest technologies and innovations by benefiting from the capabilities of the private sector in the field of water and sewage treatment.

Previous Status Prior West Dammam STP Project

Currently, there is a station in operation, but it is almost reaching its possible capacity. Given the increase in population growth in the region and urbanization, there is an urgent need to develop and increase the capacity of water and wastewater network in that region. Based on previous efforts, West Dammam STP Project comes as a proactive step to develop the services provided, especially the ones related to wastewater treatment.

CASE STUDY

Does this Project Use New Techniques in the Way it Works?

☑ Yes, it uses Moving Bed Biofilm Reactor technology or MBBR which is an innovative and environmentally friendly process of purifying wastewater by using a specialized biological treatment process. In comparison to other wastewater treatment systems, MBBR wastewater treatment is a cost efficient in its associated operation and maintenance expenses; including the ability to completely remove solids with improved settling characteristics.

Will this Project Contribute to the Solution of a Problem in the Water Sector?

Wastewater treatment is an important resource in developing and maintaining water resources in a country that is suffering from water scarcity. Accordingly, there is a need to expand the coverage of the Kingdom's wastewater network to deal efficiently with the challenges related to limited water resources; and to ensure sustainable development of wastewater treatment. Therefore, using new technologies will contribute significantly to increase the treated water and to be safely used in industrial, agricultural, and other uses.

The Main Benefits of this Project

Environmentally friendly.

Support local content.

Implementation of the project at a lower cost.

Reduce power consumption.

CASE STUDY

Does this Project Conform with the Kingdom's Vision 2030?

☑ Yes, this project conforms with the Kingdom's Vision 2030 & that's through:

- Developing the services in all the Kingdom's cities and governorates.
- Attracting foreign direct investment.
- Enhancing private sector participation in the economy.
- Ensuring environmental sustainability and, improvement & efficiency of services.

Project's Contribution in Supporting Local Content

50%
local content
at the design and build phase.

50%
local content
at the first year of commercial operation up to the end of the fifth year.

70%
local content
at some point in the fifth year post the operational stage until the end of the contract.

What is the Positive Impact of this Project on the Social, Environmental, and Demographic Levels?

- Support local content.
- Protect the environment.
- Serve the residents of the Western Dammam region.
- Preserving the environment by using modern technologies in terms of contributing to saving power consumption.

CASE STUDY

Project Timeline

EOI	RFQ	RFP	Commercial close	Financial close
November **2017**	December **2017**	March **2018**	January **2019**	June **2019**

Duration of Contract

25 Years

Construction period

3 years

Project Status

The operationa phase will commence in the first quarter of **2022**

Competition in Numbers

- Expression of interest:

65 of national and international companies.

- Qualified Companies:

8 consortiums

22 national and international companies.

Contract value

Capex **(SAR920m)**

Winning Bidders

ORASCOM CONSTRUCTION

MOWAH CO.

METITO