

المركز الوطني للتخصيص
NATIONAL CENTER FOR PRIVATIZATION & PPP



Jeddah Airport 2 Sewage Treatment Plant (STP) Project

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برنامج التخصيص



الشبكة السعودية لشركات المياه
Saudi Water Partnership Company



رؤية
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

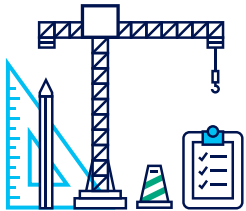
المركز الوطني للتخصيص
NATIONAL CENTER FOR PRIVATIZATION & PPP

وزارة المالية
Ministry of Finance

وزارة البيئة والمياه والزراعة
Ministry of Environment Water & Agriculture
المملكة العربية السعودية - Kingdom of Saudi Arabia



Project



Jeddah Airport 2

Sewage Treatment Plant

(STP) Project

Sector

Environment, water & agriculture



Project Location

Kingdom of Saudi Arabia
Jeddah Province, in the western part of KSA



Is the Project within the Privatization Program?

Yes, it is

Project Description

The Project involves development of **Sewage Treatment Plant** near **King AbdulAziz International Airport**



Design Capacity

500,000
m³/day



Main Objective



Keeping pace with the growing demand in the field of water and sewage treatment in the Jeddah Province.

Type of Contract



BOOT

Build Own Operate Transfer

This term means that the project is a type of a PPP contract in which the partner from the private sector builds, owns and operates the plant during the term of the contract. Ownership of the project will be transferred to the Environment, Water & Agriculture sector upon completion the term of the contract.

CASE STUDY

Benefits of PPP Contract



- Raising the level and sustainability of services.
- Leverage of the expertise of the private sector in the development of the Sewage Treatment.
- Improving expenditure efficiency by leveraging of the expertise of the private sector.
- Risk sharing and its distribution between public & private sectors in a more effective manner where each party bears the risks that can be managed and dealt with more effectively than the other party.
- Attracting the latest technologies and innovations by benefiting from the capabilities of the private sector in the field of water and sewage treatment.
- Encouraging the private sector towards investment and active participation in the national economy.

Duration of Contract



Project Award Date

The PPP contract was signed on

25/02/2019

Project Status

The operational phase will commence by the end of

December 2021

Previous Status Prior to Jeddah 2 STP Project

General information on the former project:

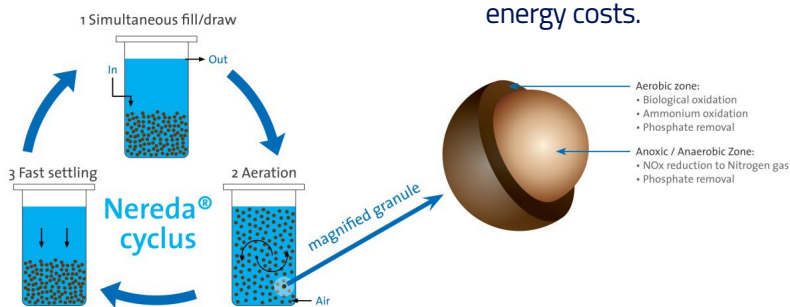
- **Name of Project:** [Jeddah 1 STP Project](#)
- **Coverage location:** [Jeddah](#)
- According to supply and demand reports and considering the population growth, it is necessary to increase the capacity of water treatment in order to address the current gap and to keep up with the growing demand in the field of water and sewage treatment. Hence, Jeddah 2 STP Project will be a complement to the previous efforts to keep up with the growing demand in the field of water and sewage treatment in Jeddah Province.

CASE STUDY

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



- ▶ Yes, this project uses Nereda technology, which is a sustainable and cost-effective wastewater treatment technology that purifies water using the unique features of aerobic granular biomass in a sequence batch reactor.
- ▶ Compared to the traditional method, Nereda technology is considered a recent technology that delivers high quality effluent for low costs and it requires less pumps and less pumping capacity. The main benefits of using modern technologies such as Nereda technology is to reduce energy costs.



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

- Yes. This project will contribute to the reuse of treated wastewater by using eco-friendly technologies to keep pace with the growing demand in the field of water and sewage treatment in Jeddah Province.

The Main Benefits of This Project



CASE STUDY

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

Yes, this project conforms with the Kingdom's Vision 2030 by:



Does this Project Contribute in supporting local content?

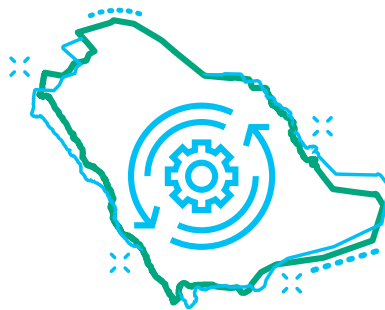
Yes, this project contributes in supporting local content as follows:

50%

at the
design-build
phase

70%

at some point in the
5th year post the
operational stage
until the end of the contract



50%

at the
1st year of
commercial operation
up to the end of the 5th year

100%

project funding
from local banks

CASE STUDY

What is the **positive impact** of this project on the **social, environmental, & demographic** levels?

Jeddah 2 STP Project contributes to the preservation of the environment and its sustainability through:



Meeting the growing demand in the field of water and sewage treatment



Using environmental friendly techniques for effective water treatment



Reducing the proportion of noise by using innovative methods

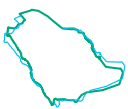


Reducing power consumption

Winning Bidders

66 local and international companies have expressed their interest in the project.

The number of bidders reached 6 consortiums, including:



9 Local Companies



7 International Companies

The best bidder was presented by a consortium consisting of the following companies:

