

Consulting Services for Implementation of Operational Assistance at WWTP - Nablus West

Phase I & II

KEY FACTS

REGION	Nablus, Palestine
CLIENT	Nablus Municipality
DATE	11/2013 – 02/2020
FUNDING	Kreditanstalt für Wiederaufbau - KfW
VALUE	480,000 Euro
PARTNERS	n/a



WWTP Nablus West

BACKGROUND

Applying the Design-Build-Operate concept (DBO), the wastewater treatment plant (WWTP) Nablus West in Palestine is a newly constructed WWTP commissioned in July 2013 with a capacity of 150,000 PE. CONSULAQUA has been supporting the start-up and operation of the WWTP ever since by providing technical and personnel assistance to the WWTP's staff in facility operation and maintenance (O&M) as well as on-the-job trainings.

In the first phase the consultant's personnel has been present on-site permanently in order to allow for knowledge-transfer and efficient Operation and Maintenance (O&M).

In the second phase (2015-2020), the presence of the consultant's experts is reduced gradually in order to make local staff more independent. Experts are only periodically present to provide assistance and support in problem solving processes, conducting trainings and commissioning of newly procured equipment. The idea is to ensure the long-term success of the project through gradual reduction of physical presence.

OBJECTIVES

The overall objective of the intervention is, to ensure that the wastewater and sludge lines of the plant are functioning and that the local WWTP-team is already fully capable of running the plant autonomously and of fulfilling Palestinian effluent standards and a set of operation targets.

- Compliance of effluent quality of the treated wastewater with Jordanian Standards
- On-the-job trainings and job-shadowing of staff at the facilities of HAMBURG WASSER in Hamburg, Germany
- Optimisation of the operational performance of the WWTP
- Increase of biogas production rates
- Operation and optimisation of CHP units
- Capacity strengthening for improved operation and maintenance
- Improvement of energy efficiency parameters
- Improvement of laboratory performance

OPERATIONAL KNOWLEDGE TRANSFER AND CAPACITY DEVELOPMENT FOR WWTP NABLUS-WEST