

CONSULTANCY SERVICES FOR THE WATER SUPPLY AND SANITATION DEPARTMENT OF NABLUS MUNICIPALITY

Reconstruction of Water Supply System and Organizational Development

KEY FACTS

REGION	Nablus, Palestine
CLIENT	Nablus Municipality
DATE	08/2016 – 08/2020
FUNDING	Kreditanstalt für Wiederaufbau - KfW
VALUE	440,000 Euro
PARTNERS	Universal Group for Engineering and Consulting



NABLUS, 2017

BACKGROUND

The Water Supply and Sanitation Department (WSSD) of Nablus Municipality (NM) is responsible for water production and distribution as well as wastewater collection and treatment in the city and the surrounding areas of Nablus. The Nablus WSSD is currently facing a number of constraints on a technical, financial, organisational level as well as on the level of provided services. Besides the requirement of technical and operational adaptation to the intermittent supply, there is a need for professionalization and improvement of WSSD to adapt to a changing environment.

The project consists of 3 main components, of which the goals are improved energy efficiency and reduction of water losses in the intermittently operated water supply system (Component 1), the training of WSSD staff (Component 2) as well as the development of a Road Map, supporting a more independent WSSD (Component 3) of NM.

ACTIVITIES

As a follow-up of the 2-years lasting “Operational Assistance for Nablus WSSD” from 2013-2015, this assignment is focusing on detailed design (FIDIC red book), with the short and long-term objective of a sustainable and practical operation and maintenance of the water supply facilities. As a special feature, all designs are based on a newly developed concept to model Intermittent Water Supply (IWS).

Main activities were:

- Analysis and reconstruction design for reduction of hydraulic losses and adaptation to intermittent operation
- Preparation of design and tender documents
- Tendering, construction supervision and commissioning
- Development of a Road Map for a more autonomous WSSD Nablus

HYDRAULIC DESIGN OF INTERMITTENT WASTER SUPPLY SYSTEM