



TURKEY

WASTEWATER PROJECT

MERSIN



Client	Mersin Water and Sewerage Administration
Financing	EIB
Duration of Services	02/2007 – 01/2011
Cost of Implementation	64 Mio Euro

Scope of Services

- Project Management
- Construction Supervision
- Quality Control
- Time & Cost Control

Brief Project Description

General Information:

Mersin is a large city and a busy port on the Mediterranean coast of southern Turkey and is the capital of the Mersin Province. The Mersin Wastewater Project aims at the environmentally sound and hygienically adequate disposal of wastewater in Mersin and its rural settlements.

The supervision consultancy services relate to the Karaduvar Wastewater Treatment Plant, Pumping Stations, Force Mains, Sea Outfall Structure and two existing pumping stations.

Karaduvar wastewater treatment plant (WWTP) has been designed for a long term planning horizon (2020; 1.050.000 PE). The final capacity will be achieved in the target year 2030 with 1.260.000 PE.

As the available construction plot size is limited, the long-term treatment concept relies on a highly loaded activated sludge process (pre-treatment, primary sedimentation, biological treatment with N- and P-elimination) with separate sludge handling procedures (digestion, dewatering and cogeneration plants).

Essential Data on Project

- Construction of Wastewater Treatment Plant (1,050,000 PE) with biological P & N removal and anaerobe sludge stabilization including Sea Outfall DN 1800 - length: 2.0 km in the South-east Turkey at the Mediterranean Sea
- Construction of Central Pumping Station (capacity: 4*3,024 m³/h - 27.50 m WC) and Twin Force Main (DN 1600, length: 10.3 km) between Pumping Station and Treatment Plant
- Construction of Karaduvar Pumping Station (capacity: 3*540 m³/h - 6.60 m WC) and pressure pipe (DN 500, length: 1.2 km) between Pumping Station and Treatment Plant
- Construction of 46 km of gravity and pressure sewer pipes DN 200 - 1000