Habshan to Fujairah Crude Oil Pipe Line HVAC

General:

**Client:**
International Petroleum Investment Company- ADCO

ADCO has built this strategical pipe line and associated facilities to allow Abu Dhabi to export its premium crude oil directly to the Arabian Sea via the emirate of Fujairah.

**Location:**
Sweihan / Fujairah, UAE

**Completion Date:**
December 2012

**Consultant:**
ILF Consulting Engineers

**Contract Type:**
Design, Supply, Installation Supervision, and Commissioning of Twenty three HVAC Control Systems for all facilities along the pipeline.

Project Scope:

Habshan–Fujairah oil pipeline, also known as Abu Dhabi Crude Oil Pipeline (ADCOP), is an oil pipeline in the United Arab Emirates. It starts from the Habshan onshore field in Abu Dhabi and runs to Fujairah on the Gulf of Oman.

The 48-inch (1,200 mm) pipeline is 360 kilometers (220 miles) long; of which 14 kilometers (8.7 miles) is an offshore section. It passes east of Abu Dhabi city, through Sweihan and west of Al Ain. The pipeline has a capacity of 1.5 million barrels per day (~7.5×10⁷ t/a). It cost $3.3 billion. The pipeline is designated to supply the refinery in Fujairah as also the Fujairah export terminal.

Process:

HVAC systems provides indoor environmental comfort and acceptable indoor air quality

Our Solution:

Redundant Siemens S7-300 (Software Redundancy), WinCC SCADA System, and Siemens Instrumentation System with integration with Siemens DCS system over Modbus TCP/IP.