PLC/HMI Control System for Al-Shumaisi Wastewater Treatment Plant, Saudi Arabia

PRUDENT SOLUTIONS WLL

Contact:

Prudent Solutions WLL P. O. Box 11091, Manama, BAHRAIN Phone: +973 1745 6180 Fax: +973 1745 6190 www.prudentsolutions.net

Founding year: 1999



Sheet 1

Solution Partner:Prudent Solutions WLLCustomer:ACWA Emirates LLCSegment:Waste Water Treatment

Requirements of the customer:

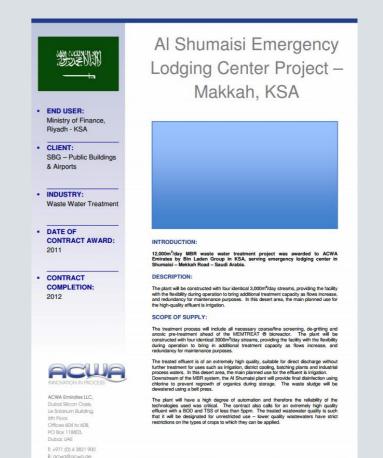
M/s ACWA Emirates, is currently executing the contract to provide a state-of-the-art Membrane bioreactor wastewater treatment plant with 12,000m3/day capacity at AI-Shumaisi, in Saudi Arabia's western region. The scheme has a high degree of automation and therefore a highly reliable control system with a proven record is required. In this connection, M/s Prudent Solutions has been awarded the contract to supply & commission the new PLC based Control System. for the integrated monitoring and complete control of this plant including sequencing, interlocking, data acquisition, reporting & alarming.





Short description of the solution

S7-300 based Control System with local HMI & WinCC SCADA Station for monitoring the overall Plant operations.



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Utilities

Wastewater Treatment

STP Plant Control

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Implementation by the Solution Partner:

- S7-315 Processor with S7-300 IO's on IM-360/361
- Interfacing with Building Management System on BACNET Protocol

WinCC Standalone

Benefits for the customer:

- High reliable & flexible architecture
- Easily expandable
- Ease of Operations
- Alarming, Security, Data Logging & Archiving
- Automatic Reporting Facility



Sheet 2