

# PLC based Process Control System for Sewage Treatment Plant - Udhailiyah

Oil & Gas

Wastewater Treatment

STP Plant Control



### Contact:

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### Founding year:

1999

End User: Saudi Aramco (Contract # BI-10-0081)  
Customer: M.S. Al-Suwaidi Ind Services  
Segment: Water Treatment

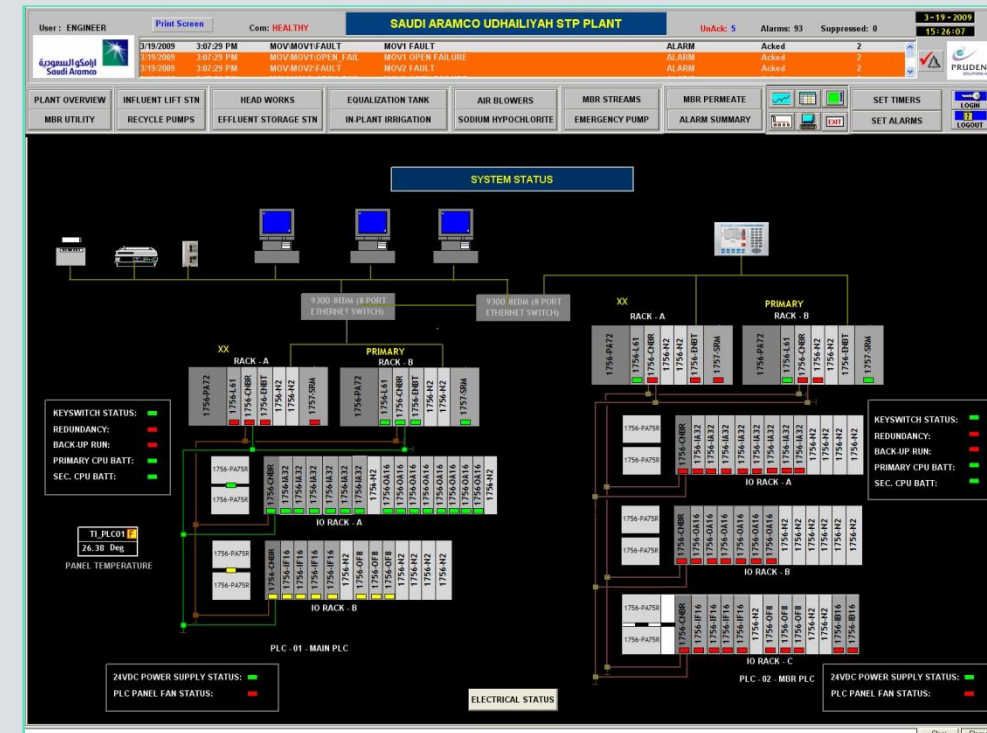
## Requirements of the customer:

- Remote / Auto / Manual Mode of operation for the STP Plant
- Monitoring and logging of measured parameters from plant instrumentation
- Presentation of plant hardware in graphical format
- Implementing the control philosophy / Cause & Effect diagrams
- Storage of data for review in the form of historical trends
- Provision of graphical tools to allow operator interaction with the plant



## Short description of the solution

Allen-Bradley's ControlLogix Redundant PLC System with PanelView Plus Operator Station & RSView32 HMI System



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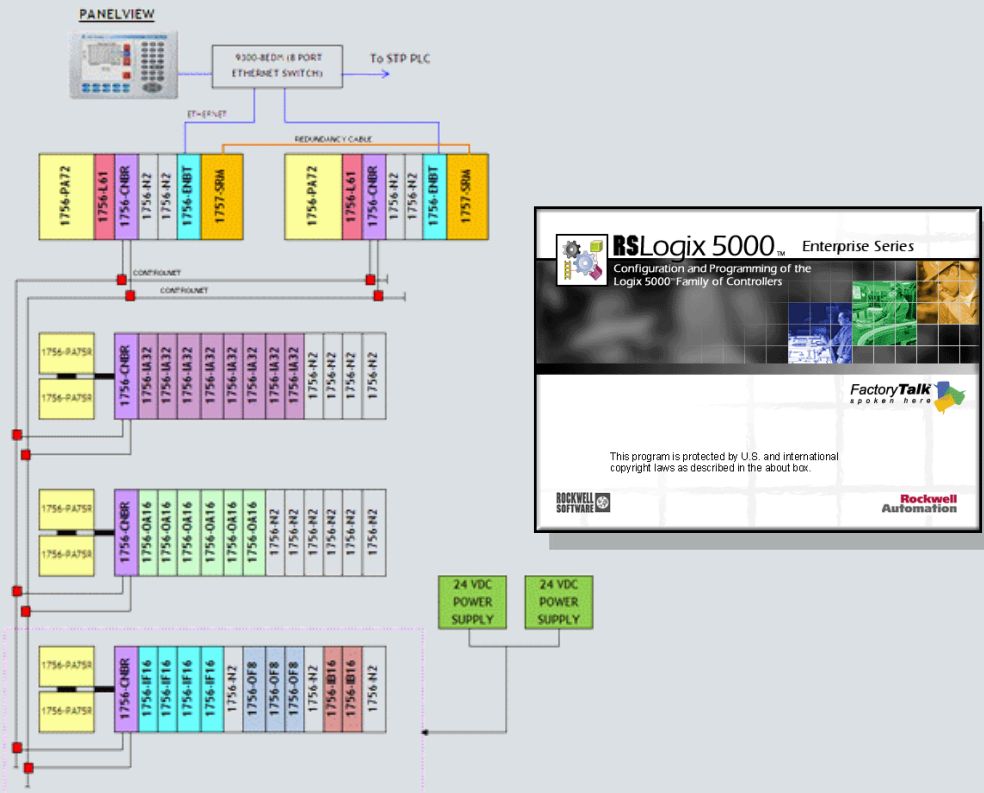
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## Implementation by the Solution Partner:

- Saudi Aramco SAMSS-820, 830 Compliant design
- Separate Redundant PLC's for STP & MBR operation communicating on Ethernet/IP to RSView32 HMI and PanelView+ Operator Stations
- Web-browser facility for remote visualization



## Benefits for the customer:

- Plant-wide control with a single controller platform
- High Availability Implementation
- Easy to operate
- Full Diagnostics reducing maintenance downtimes

