

REFERENCES



Industry Type: Oil & Gas

Client Name: Chevron

Work Description:

During our maintenance contract with Chevron Company, many projects and services had been developed:

- ▶ **HMI Immigration and Upgrade:** El-Sewedy Automation succeeded in upgrading and replacing obsolete HMIs with a brand-new Allen Bradley HMIs product including all system parameters with professional flexibility and user-friendly methods.
- ▶ **PLC System Upgrade:** El-Sewedy Automation helped Chevron to replace the old PLC system from a different brand with a brand-new Allen Bradley PLC.
- ▶ **Frequency Drives Upgrade and Installation:** El-Sewedy Automation succeeded in replacing some old Frequency Drives with a new Allen Bradley product (Various Power Rating). Installing and Programming of various mode of operations and control methods to serve operating needs.
- ▶ **Modifying All PLC Programs:** El-Sewedy Automation had modified the ongoing programs for all existing Allen Bradley PLCs to cope with operating needs..



REFERENCES



Industry Type: Food & Beverage

Client Name: FRONERI / NESTLE

Work Description:

El Sewedy Automation succeeded in upgrading one of the most important production lines of FRONERI / NESTLE company named “Vita-1” through:

- ▶ Site survey for checking the old system and selecting the suitable new control system (BOM list).
- ▶ Providing a new Allen Bradley PLC control panel with signals modules.
- ▶ Providing HMI panel design, programming, and simulation.
- ▶ Panel Building; Preparing wiring connections for the new Allen Bradley control station.
- ▶ Testing of the new project at our company workshop.
- ▶ onsite Reconfiguration of all related communication and instrumentation systems.
- ▶ Programming, Commissioning and Startup.



REFERENCES



Industry Type: Mining & Aluminium

Client Name: Maaden Bauxite - Saudi Arabia

Work Description:

El Sewedy Automation delivered its solution and services in Saudi Arabia through Rockwell Automation outsourcing in upgrading scheme (Project Name; Maaden / Dragados Gulf). Scope of Work was (Controllogix 7500 PLC (Mine Site Area) and For Controllogix 7600 PLC (Mine Village and Explosives Magazine Area):

- ▶ El Sewedy Automation delivered its solution and services in Saudi Arabia through Rockwell Automation outsourcing in upgrading scheme (Project Name; Maaden / Dragados Gulf). Scope of Work was (Controllogix 7500 PLC (Mine Site Area) and For Controllogix 7600 PLC (Mine Village and Explosives Magazine Area):
- ▶ Termination, MA injection for Loop checking (Transmitter side), Calibration and Justify values in PLC. Transmitter type EH Pressure, Level and Flow.
- ▶ Loop Check and Function Test and Operation Philosophy.
- ▶ All Pumps are tested in Local and Remote and Running.
- ▶ VSD is Configured and Tested in Local and Remote and Running Modes.
- ▶ All Pumps Operation is Tested and Running Perfectly.
- ▶ All MOV's (Control Valves) are tested in Local and Remote and Running.
- ▶ Read Common Alarm and Communication Fault for All UPS and BC.
- ▶ Read and Implement Logic to Calculate the Active, Reactive and Apparent Power for Relays.
- ▶ Configure the Prosoft Modules to Fully Communicate to UPS and Relays and Battery Charger and UOMC to a Honeywell DCS.



REFERENCES



Industry Type: Aluminium

Client Name: ALBA Company - Bahrain

Work Description:

- ▶ El Sewedy Automation delivered its solution and services in Bahrain (Project Name; PLC 2 System Conversion to Controllogix5000 – L63). Scope of Work was (Upgrade Allen Bradley PLC2 and PLC10 to Controllogix System at ALBA Bahrain).



REFERENCES

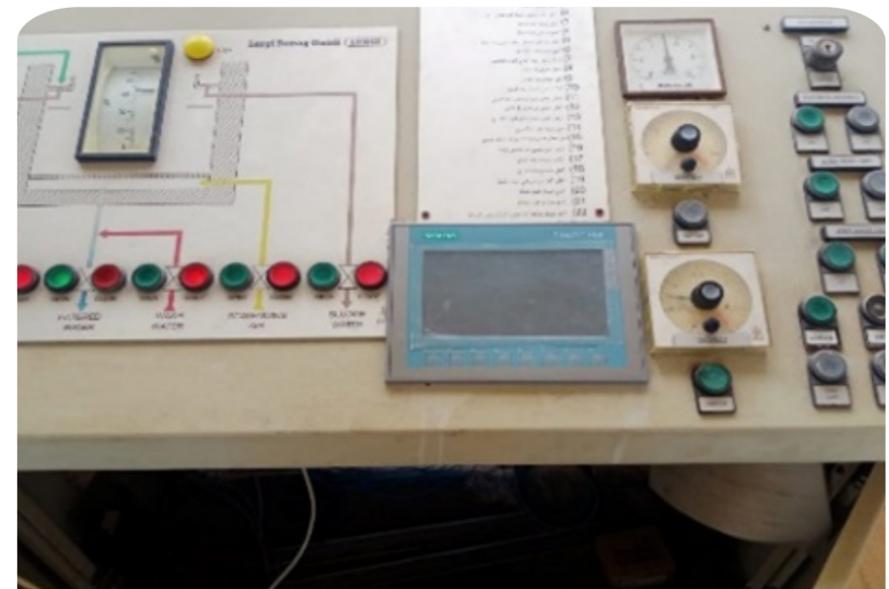
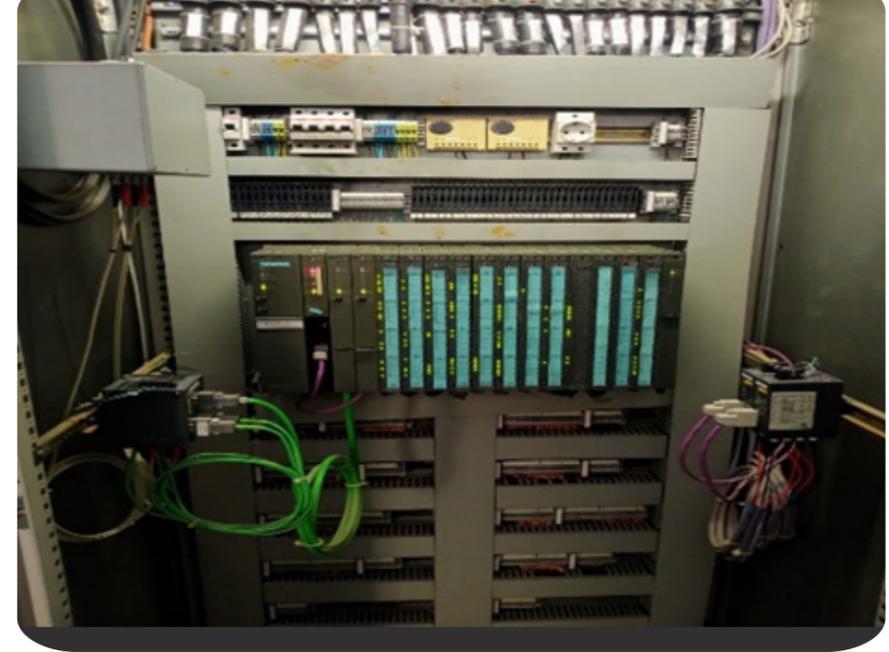


Industry Type: Water & Wastewater
Client Name: Sheikh Zayed City Authority

Work Description:

El Sewedy Automation upgraded the old three filtering systems (S7-200 Siemens PLCs) through:

- ▶ Install a brand new S7-1200 Siemens PLCs.
- ▶ Install a new Siemens HMI system for the Water treatment process.
- ▶ Full reconfiguration of all related communication systems.
- ▶ Installation of two new levels for existing instrumentation system.



REFERENCES



Industry Type: Food & Beverage

Client Name: Kamara – Happy Sweet

Work Description:

El Sewedy Automation gained “Kamara – Happy Sweet” trust through its experts who implement many required projects and services such as:

► **Frequency Drives Installation and Commissioning:** El-Sewedy Automation experts perfectly changed the previous “malfunctional” kinetic motion system to Allen Bradley drives motion (PowerFlex). Install a new Siemens HMI system for the Water treatment process.

► **System Improvement:** El-Sewedy Automation experts were reprogrammed the existing Siemens PLC software including reconfiguration of all related communication and I/O modules to add new production process step based on customer’s requirements which will be integrated with the existing system.



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Industry Type: Food & Beverage

Client Name: Middle and West Delta Flour Mills

Work Description:

El Sewedy Automation developed a large project for Middle and West Delta Flour Mills, the project consists of programming PLC01 (Intake) & PLC02 (Cleaning) and developing a new SCADA system including commissioning and start up for intake and wheat cleaning processes:

PLC01 (Intake) & PLC02 (Cleaning):

PLC - Program Development:

- ▶ Collect all input and output definitions.
- ▶ Mapping PLC tags according to physical tags.
- ▶ Test all physical input and output signals.
- ▶ Write PLC program according to intake working philosophy.
- ▶ Functional test for philosophy.

PLC- SCADA System:

- ▶ Building all necessary SCADA displays to monitor all system functions and devices.
- ▶ Building all alarms display to diagnose all malfunctions and tripped devices.
- ▶ Building all trends display to monitor all required signals.
- ▶ Testing the overall performance of PLC control system along with SCADA
- ▶ Commissioning and start up.





AUTOMATION



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