

Ayman Khateeb

Electrical I&C Commissioning Engineer

Petrochemical, Pharmaceutical & Water treatment, Phosphate

A technical professional with more than **20 years** of experience in successfully overseeing intricate projects and operations within Chemical, Pharmaceutical, and Utilities industrial sectors. Possessing comprehensive expertise in Mechanical and Electrical engineering, as well as proficiency in PLCs, instrumentation, construction, calibration, maintenance, and troubleshooting.

EXPERIENCES

Mar.2021 - April.2024

Electrical I&C Commissioning Engineer

MaSa
مرافق

Sep.2017 - Feb.2021

Waste water Treatment Plant O&M Leader

Feb.2014 - Aug.2017

RO Desalination Plant O&M Leader

- ❖ Lead a team for Inspect the equipment, facilities and any other aspect of an engineering project to ensure that it has been designed and installed correctly.
- ❖ Lead projects, including RO seawater desalination, pump and lifting stations, wastewater treatment plants, and the entire RAS ALKhair network piping. Ensure the inclusion of all subsystems, such as MV/LV switchgear, IC looping, calibration, and SCADA integration, following the IFC drawing & RC Standard design.
- ❖ Leading RCA, PHA, RA and ability to establish PM schedules / procedures / inspection reports.
- ❖ Lead the Operation maintenance activity during the warranty period for below system (Lagoons with Air floatation, Aerators, SST, Blowers, Tertiary Filtration, Sludge thickening, Sludge digestion and disinfection.
- ❖ Develop and implement SOP, Annual CAPEX/OPEX Budget Presentation of monthly, quarterly, and annual O&M reports, budget review and staffing report.
- ❖ Improving the plant's effluent compliance from 74 % only to 98 % compliance.
- ❖ The Plant Configuration, Sand Filters, Microfilters, Ultrafiltration, RO Membrane, Chlorine & Lim injection.

Sep.2009 - Jan.2014

Pharmaceutical Facility Maintenance Leader

Baxter

- ❖ Adhere to the GMP, GDP & FDA manufacture standard, in addition to leading different internal & external. Audits.
- ❖ Provide guidance and mentorship the engineering team & manage day by day maintenance activities.
- ❖ Run the above-mentioned activities in harmony with proper documentation & record keeping systems as well as international management system ISO 9001:2000 & Food Safety standard ISO22000

Sep.2005 - Aug.2009

Electro_ Mechanical Maintenance Leader

P&G

provide front line maintenance leadership and maintenance related technical support for the Power Block facility and act as the primary contact for I&C maintenance related issues in the area of responsibility to build the team's knowledge in electrical control systems, PLCs, instrumentation, construction, calibration, maintenance, and troubleshooting.

July.2004 – Aug.2005

Jordan Phosphate Maintenance Engineer

Lead the Shift operation & maintenance team



Contact

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Education

2004

BSc Mechatronics Engineering

Jordan - Al Balqa Applied University

Expertise

- Project Management
- Facility Operation & Maintenance
- Equipment's site Inspection
- Plant Commissioning
- Reliability Engineering
- PHA (Process Hazard Analysis)
- RCA (fault route Cause Analysis)
- AutoCAD & Revit Designer
- GIS System developer
- PLC & DCS Troubleshooter
- Pharmaceutical Technical Engineering

Language

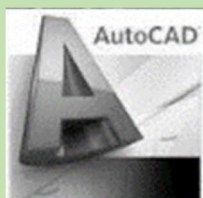
Arabic

English

Courses

- Process Hazard Analysis (PHA)
- AutoCAD 2D Electrical Design
- Autodesk Revit design
- 3D modeling software
- Rockwell Allen Bradley Programmer RS Logic PLC Logic 5, 500 & 5000
- Schneider PLC Programmer
- Yokogawa DCS "Centum VP course" troubleshooting & Operation
- Winderwear (In touch) programming and troubleshooting

Skills



AutoCAD 2D



Revit 3D



SketchUp



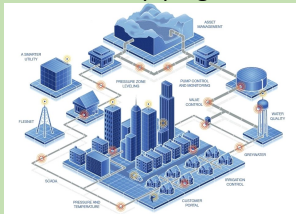
PHA

Commissioning Facilities

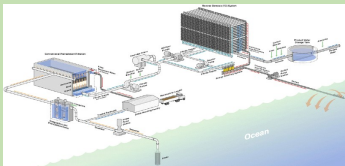
- RAS AlKhair & Jubail Wastewater treatment Plant



- RAS Alkhair Potable & Wastewater piping Network



- Jubail RO4 Desalination Plant



- Jubail MV/LV Switchgear



- Dammam Baxter Pharmaceutical Plant



Technical & Reliability { ENGINEERING TASKS }

Project Commissioning Engineer

Oversee the commissioning and installation of various equipment, systems, and facilities. My role ensures that these components operate seamlessly and deliver the expected outcomes. Below, I provide examples of projects I have been assigned:

- ❖ Successfully replaced an air blower with a capacity of 31,500 m³/hr., incorporating a new Variable Frequency Drive (VFD).
- ❖ Oversaw the commissioning process for the potable and wastewater network piping at the RAS Al-Khari facility.
- ❖ Commissioning of RAS Al-Khari Seawater Cooling Pumping Station, with a capacity of 45 m³/hr.
- ❖ Commissioning of RAS Al-Khari Sanitary Waste Treatment Plant which handles a capacity of 200,000 m³/day.
- ❖ Commissioning of Jubail MV/LV Switchgear: medium-voltage (35.6 kV) and low-voltage (4.16 kV and 480 V).
- ❖ Commissioning of RAS Al-Khari Sanitary Lift Station Plant, handling 55,000 m³/day.
- ❖ DIO Qualification for RO Modification at Baxter Pharmaceutical Plant: Conducted qualification activities related to Reverse Osmosis (RO) modifications at the Baxter pharmaceutical plant.

Operation & Maintenance Leader

As an operations and maintenance team leader, I have overseen critical aspects of electrical transmission and distribution systems. My responsibilities included testing, monitoring, installation, and troubleshooting of various equipment, utilities, energy storage systems, control systems, and substations.

Allow me to provide specific examples of facilities I managed:

- ❖ Seawater RO Desalination Plant (Capacity: 100,000 m³/day)
- ❖ Potable Water Pump Station Plant (Capacity: 200,000 m³/day)
- ❖ Upgrading Long & Short Conveyor Belt Maintenance Monitoring
- ❖ Maintenance and Programming of Dumping Stations and Loss Weight Feeders using PLCs
- ❖ Management of Critical Equipment at Baxter Pharma:
Boiler, Chiller, Cooling Towers, Air Furnace Operation, Sterilizer, Incubator Sample Room, Clean Room HVAC System
- ❖ Additionally, I led the P&G Operation & Maintenance team, overseeing chemical feeders to agitators (mixers) and the drying process through air furnaces to produce powdered materials.

Skills and Core Competencies

- PLC (Programmable Logic Control)
- SCADA system (Supervisor Control and Data Acquisition)
- DCS (Distribution Control System)
- HMI (Human Machine Interface)
- Sales skills
- Self-confidence.
- Self-motivation.
- Ability to adapt.
- Working under stress
- API 580/581, Risk Based inspection & Resource Document
- API 570/571, Pipe inspection & Corrosion material professional

