

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 11 years hands-on experience, including 9 years working in construction and maintenance at glass industry.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/10/1981
Gender : Male

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2005

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: MS Project

TRAINING COURSES AND CERTIFICATIONS

: PMP course.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2015 till now
Employer : Misr Glass Manufacturing
Job title : Electrical Manager
Job Description :

- Installment and finalize the upgrading electrical Power equipment's.
- Install the new compressed air station (12 compressors Kaiser 250 KW, 4 dryers, controlled automatically by the Kaiser sequencer).
- Enhance the factory electrical grid.
- Accomplish electrical department human resource objectives by updating hierarchy, selecting, orienting, training, assigning, scheduling, coaching, communicating job expectations; planning, monitoring; enforcing policies and procedures.
- Meet the upgrading and maintenance works with the financial objectives.

- Breakdown the top management goals to achievable targets and tasks for downstream staff.
- Ensuring internal customer satisfaction.
- Ensuring minimum corrective and emergency faults.
- Control and effectively manage all the sections operations through site visits as necessary.
- Ensuring safety, efficient and quality of operations.
- Minimize the stock spare parts.
- Energy saving.

Dates : From Jan. 2012 till Oct. 2015
Employer : Asfour Crystal
Job title : Senior Electrical Maintenance Engineer
Job Description :

- Implementation of the expansions plan and 3-nd site constructions including all electrical infrastructure (medium distributors, transformers, switchgears, MDP, SDP).
- Coordinate and direct projects, making detailed plans to accomplish goals.
- Develop and maintain capital equipment data base and performance for the facility.
- Analyse technology, resource needs to plan and assess the feasibility of projects.
- Plan and direct the installation, testing, operation, maintenance, and repair of facilities and Equipment.
- Coaching and providing feedback for development and improved operation.
- Oversee the Maintenance Department budget.
- Increasing the equipment's availability.

Dates : From Apr. 2009 till Jan. 2012
Employer : Asfour Crystal
Job title : Electrical Maintenance Section Head
Job Description :

- Implementation of CMMS (data gathering, coding, plans).
- Reviewing the PM plans and feedback reports to improve them.
- Lead the team into Lean thinking.
- Supervising contractors for the electrical constructions (earthling, cable trays, light current systems).
- Planning the annual spare parts plan.

Dates : From Jul. 2007 till Apr. 2009
Employer : Asfour Crystal
Job title : Electrical Maintenance Engineer
Job Description :

- Supervising the electrical maintenance team during the maintenance and troubleshooting operations for production lines, compressors, dryers, transformers, low voltage panels, medium voltage distributors, ...
- Reviewing, analyzing the daily report for corrective maintenance.
- Applying the safety precautions and instructions.

Dates : 2007
Employer : ELMACO transformers
Job title : Technical Support

Dates : 2006
Employer : Arab Commercial Group
Job title : Technical Sales
Job Description : Sale and install inverters, PLC, HMI, Motors, Gearbox's.

Projects:

- Power Projects:
 - Upgrading and replacement the MGM power grid (2015-2016) (10 Million EGP investment): Starting from the civil works, installations, commissioning, and protection settings for:
 - 1 MV - 12KV Distributer switchgear 11 cell, 2 incoming, 1 bus coupler, 8 outgoing, ABB.
 - 2 MV distributors 4 cell – 12KV – Teepco.
 - 3 dry transformers x 3150 KVA, ABB, Schneider.
 - 1 main switchgear 6000 A, 4 incoming, 3 bus coupler, 36 outgoing, Schneider.
 - 2 ATS panels Schneider.
 - More than 6000 m 3 x 300 + 150 mm low voltage cables.
 - 4 – 600 KVAR power factor improvement panels.
 - Installing the power network for the 3rd Asfour Crystal factory in Minia (2011), Containing of:
 - 15 MVA power capacity.
 - One automatic 2 out of 3 medium voltage distributor ABB.
 - Low voltage main distribution panels, Schneider.
 - Distribution transformers of 2.5 MVA, ABB.
 - 10 sub-distribution panels, internally designed and made.
 - Installing the power network for the 2nd Asfour Crystal factory (2008-2010), Containing of:
 - 15 MVA power capacity.
 - Two automatic 2 out of 3 medium voltage distributors Schneider.
 - 10 low voltage main distribution panels Siemens, Schneider.
 - 10 distribution transformers of 2.5 MVA, ABB.
 - 40 sub distribution panels, internally designed and made.
- Hi-Tech Projects:
 - Installing the new Batch Plant (620 ton/day), Misr Glass Manufacturing – in process: Attend FAT in ZIPPE – Germany, review all wiring, BOM, connections, cable trays, contractors works, feeding, junction boxes, service panels, The erections didn't start yet.
 - Installing the high tech packaging, counting machines (2009): Beginning from searching the best models of packaging machines suitable for very sensitive crystals stones and a suitable counting machines which saving the quality of chatones to prohibit it from scratching, then studying how to synchronizing between three machines at same time. Finally the project success and now Asfour having about 13 running systems.

- Installing and maintaining a vacuum packing machine (Multivac): Negotiating with the supplier after a big comparison between competitors and make the synchronization between the packaging and the counting machine.
- Maintenance Projects:
 - Elimination the waste in maintenance time of production lines, ASFOUR CRYSTAL: Studying the maintenance time to improve the quality of the process and determine the required no of workers and the exactly time of process.
 - Decreasing the down time of the production lines from 39 minutes to 25 minutes: As improving some materials, components, behavior of workers, environment and required tools.
 - Energy saving: Sharing the energy saving team as representative of electrical department which working on several directions such as: Conversion into led lighting and install motion detectors.
- Strategic Projects:
 - Solar energy, ASFOUR CRYSTAL: Start to study the applications of solar energy in the factory from 2009 and update this study every year to recalculate the economics of it. At 2013 produce a solar energy book to the high management.
 - Prohibiting the copier of the Asfour pack: As China was copying the packing of Asfour, the CEO of the company ordered me to identify the required system for coding the packs and covering it with a scratching layer and linked it with the website which we success to introduce this system with One Time Password System.
 - Company downsizing, ASFOUR CRYSTAL: Sharing the decisions of downsizing of the electrical department from 315 Technicians into 120 Technicians and re-arrange them on the required positions.
 - Planning the annual purchasing plane (about 6 Million EGP/year): For the spare parts to meet the company objectives without over cost.

- Field of experience :**
- Working in heavy industries (glass industry) for over 9 years, in huge organizations Asfour Crystal and Misr Glass (which is one from three companies of a middle east glass manufacturing group), which gives me a high experience in maintenance, expansions, new installations, and high attitude, performance with a different hot situations.
 - Professional Electrical Maintenance Engineer, manage all asset upgrades and new expansions/installations and erections, measuring and assuring all following:
 - Electrical performance efficiency.
 - Preventive and predictive maintenance.
 - Spare parts management according to accepted budget.
 - Projects budget.
 - Projects implementation - on time.
 - Productivity improvement.
 - Plants compliance to regulatory standards.
 - Overall appearance standards.
 - Direct the continuous improvement.
 - Lead the team into lean thinking.
 - Skills:
 - Lean manufacturing.

- Projects Management.
- Expert of managing electrical power grid.
- Expert with electrical furnaces.
- Expert with temperature controllers.
- Expert with motors starters and drives.
- Expert with packing machines and counting machines.
- Expert on finding engineering solutions.
- Expert with LED lighting technology.
- Maintain and install of medium voltage automatic distributors.
- Maintain and install of transformers.
- Maintain and install of low voltage switch gear and power factor correction.
- Maintain factory utilities and manage the outsourcing maintenance contractors.
- Plan, implement the maintenance and determine the suitable maintenance strategy.
- Very good experience with Solar energy.
- Managing of new projects (PMP course).
- Dealing with contractors.
- Coaching the electrical team.
- Continuous improvement.
- Achieve the targets at the specified time.
- Leading a large team.
- Very good negotiation experience.