

**101665-ELE-CDG-E-1995**  
**Operations & Maintenance Director**

Holds a B. Sc. in Electrical Power & Machines Engineering, a Diploma of higher studies in Electrical Power Engineering and a Mini MBA. Has about 22 years hands-on experience working in design, construction and management.

## PERSONAL DATA

Nationality : Egyptian/Canadian  
Birth Date : 01/05/1973  
Gender : Male  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 1995  
: Diploma of higher studies in Electrical Power Engineering (2 years), 1999  
: Mini MBA, Egyptian Culture Center, 2017

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: 2D (Computer Aided Design) CAD

## TRAINING COURSES AND CERTIFICATIONS

: Protecting metal building from rusting (Dec. 1997).  
: Design of Cathodic Protection Systems (Oct. 1997).  
: Modern Automatic Control, University of Toronto (Dec. 2000).  
: Lighting design concept (IESNA-100), Philips Research Center, Toronto (Jun. 2003).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2016 till now  
**Employer** : Samara Security & Safety Systems Company (KSA)  
**Job title** : Operations & Maintenance Director

- Job Description** : • Responsible for four functions of management as a framework:
- Planning.
  - Organizing.
  - Leading.
  - Controlling.
- Planning:
- Determining what needs to be done, who is going to do it, and when it needs to be done are all part of the planning process. Keep in mind that planning is an iterative process that takes place throughout the life of the project.
  - Planning duties include:
    - Define and clarify project scope.
    - Develop the project plan.
    - Develop the project schedule.
    - Develop policies and procedures to support the achievement of the project objectives.
- Organizing:
- A major driver in this aspect is the company's existing structure.
  - Organizing duties include:
    - Determine the organizational structure of the project team.
    - Identify roles and positions.
    - Identify services to be provided by external companies.
    - Staff project positions.
- Leading:
- Leading projects include:
- Setting team direction.
  - Coordinating activities across different organizational functions.
  - Motivating team members.
  - Assigning work.
- Controlling:
- Controlling is all about keeping the project on track. Project control can be performed using a three-step process.
    - Measuring: Checking project progress toward meeting its objectives.
    - Evaluating: Determining the cause of deviations from the plan.
    - Correcting: Taking corrective actions to address deviations.
  - Controlling duties include:
    - Defining project baselines.
    - Tracking project progress.
    - Project status reporting.
    - Determining and taking corrective actions.

**Dates** : From 2014 till 2015

**Employer** : Alredwan Contracting Company (KSA)

**Job title** : Electromechanical Department Manager

**Job Description** : Responsible for gathering and analyzing business requirements working with customers and other internal parties to define solution scope to meet business requirements including design of electrical systems, the development of project proposals, specifications, and all related project documentation to meet our clients need.

- Dates** : From 2005 till 2014
- Employer** : Canadian Power Tech. Contractor (Egypt)
- Job title** : Electromechanical Projects Manager
- Job Description** :
- Responsible for gathering and analyzing business requirements working with customers and other internal parties to define solution scope to meet business requirements including design of electrical systems, the development of project proposals, specifications, and all related project documentation to meet our clients need.
  - Duties & Responsibilities:
    - Lead an Executive team to achieve technical goals within required budget and schedule.
    - Purchase all equipment within lowest price and highest quality.
    - Ensure all installations are compliance with all client specifications.
    - Effectively liaise with clients, vendors.
    - Assist in the development and maintenance of engineering design and analysis standards, policies, techniques, and procedures.
    - Perform electrical upgrades design activities as required.
    - Responsible for the development and the implementation of all technical documentation but not limited to drawings, specifications, budget, sketches, change orders, deficiency reports, final reports, memos, generated by design team.
    - Assist in the development of electrical upgrades work estimates in support of company new business opportunities.
    - Make recommendations as to improve processes and efficiency.
  - Part of Projects:
    - El-Malkiea Resort 800 Geust Rooms – Egypt.
    - Gardenia Sharm Resort 750 Geust Rooms – Egypt.
    - Pyramids Heights Mobinile Data Center Building – Egypt.
    - Mercedes Benz Egypt Natco Show Room and Maintenance Services –Egypt.
    - MCC Chemical Plant – Egypt.
    - Contact Group Building – Egypt.
    - El Salam International Hospital – Egypt.
    - Building Management Crisis Airport – Egypt.
    - Aton Building – Egypt.
    - Mentor Grafik Building – Egypt.
    - United Sugar of Egypt Plant in Sokhna Port – Egypt.
  - Operational Efficiency:
    - Lead the various stages of projects – preparation, execution and ensuring that these are carried out in an integrated manner, consistent with the operation’s goals and objectives.
    - Monitoring technology changes and their impact on the operations’ productivity and quality.
    - Managing personal and other team members and ensuring adherence to health and safety requirements.
  - Quality Management & Process Improvement:
    - Introducing process improvement initiatives to increase productivity and continually reviewing all aspects of the operations in an effort to control and reduce costs.
    - Ensuring that quality control measures are in place and implemented.
    - Provide leadership and assistance to operations to ensure effective

support to clients needs, which include:

- Acting as a liaison between consultant and clients.
  - Creating client presentations / produce client related materials / developing presentation graphics.
  - Editing of documents; heavy proofing.
  - Backing up team members.
- Technical Qualifications:
    - BMS (Building Management System).
    - Sanitary System (portable water, sewage, individual pumping stations, drainage, storm water).
    - HVAC System (ventilation and air ducts, grills, chilled water Pumps, fans and condensing system).
    - Firefighting System and FM200.
    - Fire alarm system.
    - Elevators and controls.
    - Electrical system (medium voltage, switchgears, elec. Panels, generators system installation).
    - Access systems.
    - CCTV.
    - Grounding System.
    - Lightening System.
    - TV system.
    - Landscape external lighting.
    - Network Cabling system.
    - Data Cabling System.
    - UPS system.

<b>Dates</b>	:	From Mar. 2004 till 2005
<b>Employer</b>	:	Electrical Network Engineering Services Limited (Canada)
<b>Job title</b>	:	Electrical Senior Design Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Responsible for gathering and analyzing business requirements working with customers and other internal parties to define solution scope to meet business requirements including design of electrical systems, the development of project proposals, specifications, and all related project documentation to meet our clients need.</li><li>• Lead an effective electrical design team to achieve technical goals within required budget and schedule.</li><li>• Coordinate with the Ops manager the development of all project proposals.</li><li>• Create Project plans/schedules for technical projects as required; facilitate and participate in integrated planning with other project delivery teams (i.e. people, process and communications); coordinate, facilitate and manage planning sessions; work closely with the team in creation of estimates; initiates and or supports projects or programs by developing detailed business cases, building effective project/program organizations and teams.</li><li>• Ensure all design and installations are compliance with all client specifications, local, provincial and federal codes and regulations and with company design and airworthiness process standards.</li><li>• Effectively liaise with clients, vendors and other company departments.</li><li>• Assist in the development and maintenance of engineering design and analysis standards, policies, techniques and procedures.</li></ul>

- Perform electrical upgrades design activities as required.
- Responsible for the development and the implementation of all technical documentation but not limited to drawings, specifications, budget, sketches, change orders, deficiency reports, final reports, memos, generated by design team.
- Assist in the development of electrical upgrades work estimates in support of company new business opportunities.
- Make recommendations as to improve processes and efficiency.

<b>Dates</b>	:	From Jun. 2001 till 2004
<b>Employer</b>	:	Mulvey and Banani International Incorporation (Canada)
<b>Job title</b>	:	Electrical Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Biovail Incorporation Head Office (Jun. 2001): <ul style="list-style-type: none"> <li>- Reviewing the electrical budget.</li> <li>- Incorporating the principal electrical requirements.</li> <li>- Designing lighting, power, and fire alarm systems.</li> <li>- Designing the rough-in conduits and cable trays for data, telephone, TV, sound, and broadcast systems.</li> <li>- Coordinating electrical power and systems designs with disciplines (Mechanical, Architecture, Landscape, IT, Broadcast, and Civil).</li> <li>- Preparing project specification and tender forms.</li> </ul> </li> <li>• Microsoft Head Office: <ul style="list-style-type: none"> <li>- Design stage (from Jun. 2001 till Feb. 2002): <ul style="list-style-type: none"> <li>▪ Reviewed the electrical budget.</li> <li>▪ Incorporated the principal electrical requirements base.</li> <li>▪ Designed lighting, power, and fire alarm systems.</li> <li>▪ Designed the rough-in conduits and cable trays for data, telephone, TV, sound, and broadcast systems.</li> <li>▪ Coordinated electrical power and systems designs with disciplines (Mechanical, Architecture, Landscape, IT, Broadcast, and Civil).</li> <li>▪ Prepared project specification and tender forms.</li> </ul> </li> <li>- Construction stage (Sep. 2002): <ul style="list-style-type: none"> <li>▪ Inspecting installation of electrical work.</li> <li>▪ Preparing contemplated change notice and site instructions.</li> <li>▪ Evaluating monthly progress draws.</li> <li>▪ Reviewing shop drawings.</li> </ul> </li> </ul> </li> <li>• Centennial College – Scarborough (Jun. 2002): <ul style="list-style-type: none"> <li>- Incorporated the principal electrical requirements.</li> <li>- Designed lighting, power, and fire alarm systems.</li> <li>- Designed the rough-in conduits and cable trays for data, telephone, TV, sound, and broadcast systems.</li> <li>- Coordinated electrical power and systems designs with disciplines (Mechanical, Architecture, Landscape, IT, Broadcast, and Civil).</li> </ul> </li> <li>• Pegasys System Installation (Jul. 2002): <ul style="list-style-type: none"> <li>- Design the metering system for (25) Bell Mobility Buildings to monitor electrical data to Head Office in Montreal.</li> <li>- Doing Site Survey to pick up all electrical equipment.</li> <li>- Reviewed the electrical budget and tender pricing.</li> <li>- Construction review.</li> <li>- Review the start-up and commissioning up procedure.</li> <li>- Progress draws review and approval.</li> </ul> </li> </ul>

- Ontario Royal Museum – Toronto (Jun. 2002):
  - Designed lighting, power and fire alarm systems.
  - Designed the rough-in conduits and cable trays for telephone, TV, and data systems.
  - Coordinating electrical power and systems designs with disciplines (Mechanical, Architecture, Landscape, and Civil).
  - Site survey to pick up all existing electrical equipment.
- Art Gallery Ontario (Jan. 2003):
  - Designed lighting, power and fire alarm systems.
  - Designed the rough-in conduits and cable trays for telephone, TV, and data systems.
  - Coordinating electrical power and systems designs with disciplines (Mechanical, Architecture, Landscape, and Civil).
  - Site survey to pick up all existing electrical equipment.
- McGregor Library – Scarborough (Jan. 2003):
  - Designed power, and fire alarm systems.
  - Designed the rough-in conduits and cable trays for telephone, TV, and data systems.
  - Coordinating electrical power and systems designs with other consultants designs (Mechanical and Architecture).
  - Site survey to pick up all existing electrical equipment.
- Apotex Inc. - Canada's Pharmaceutical Company (Dec. 2002):
  - Doing site survey to pick up all 600V electrical equipment.
  - Doing complete electrical data sheets and electrical manual equipment.
  - Create maintenance manual for each electrical equipment.
  - Review and correct the electrical as built drawing.

**Dates** : From May 2000 till Jun. 2001  
**Employer** : Crossey Engineering Limited (Canada, Ontario)  
**Job title** : Electrical Designer  
**Job Description** :
 

- Coordinated electrical power and systems designs with other disciplines (Mechanical, Architecture, Interior Design, Landscape, and Civil).
- Detroit Orchestra Hall Symphony (from May 2000 till Jun. 2001):
  - Designed and supervised shop drawings of lighting, power, fire alarm, telephone, TV, and sound systems.
  - Procured all equipment related to electrical systems (switchboards, bus ways, lighting fixtures, dimmers, cables, conduits, sound system racks, MFAP, detectors, Telephone PABX).

**Dates** : From Jul. 1997 till Apr. 1999  
**Employer** : Petrojet the Petroleum Projects and Technical Consultation Co. (Egypt)  
**Projects** :
 

- Ras Ghareb Camp (Oil field camp)
- Midor building (Big head office for Midor Oil Company, Egypt)
- Ministry of Petroleum building (Cairo, Egypt)

**Job title** : Design Engineer  
**Job Description** :
 

- Designed the lighting and power systems.
- Drafted the project drawings.
- Analysis of utilities rates and application.
- Building evaluation for metering alternatives.
- Power factor correction.

- Load factor analysis, and the application of demand devices and techniques.
- Design and application on computer controlled buildings.
- Implementation of updated energy saving equipment with payback calculations.

- Dates** : From Nov. 1995 till Jun. 1997
- Employer** : General Works and Supplies (EGS)
- Projects** :
- Sheraton Hotel Sinai (Sinai, Egypt)
  - Omar Afandi (one of the biggest series shop store in Egypt)
- Job title** : Marketing & Technical Support Engineer
- Job Description** :
- Supervision of Electrical construction works such as lighting, power and fire alarm systems.
  - Estimation of tender price.
  - Certify and verify all electrical systems.
  - Preparing the progress draw.
  - Drafting as built drawing using AutoCAD R14.
- Field of experience** :
- LOW + Medium Voltage Electrical system (medium voltage, switch gears, elec. Panels, generators system installation and lighting system).
  - Elevators and controls.
  - BMS (Building Management System), Pump stations, Access systems, CCTV.
  - Grounding System.
  - Lightening System.
  - TV system.
  - Landscape external lighting.
  - Network Cabling system.
  - Data Cabling System.
  - UPS system.
  - Sanitary System (portable water, sewage, individual pumping stations, drainage, storm water).
  - HVAC System (ventilation and air ducts, grills, chilled water Pumps, fans and condensing system).
  - Fire fitting System.
  - Fire alarm system.