

RESUME

ADDRESS:

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Objective

- Seeking an employment opportunity where my skills and academic Background can be put in use.
- Seeking for a career that gives me an opportunity to add more Knowledge & experience in my field as an electrical engineer.

Personal Data

Name

Asmaa Ali Abd Elghany.

Date of Birth

April 16, 1985.

Place of Birth

Cairo.

Nationality

Egyptian.

Resident

Cairo, Egypt.

EDUCATION

Qualification

BSc in Electrical Power Engineering

Electrical Power & Machine Department.

Shoubra Faculty of Engineering, Benha University.

May 2007

"VERY GOOD DEGREE"

University

Graduation Year

Accumulative Grade

Project Grade

Project Subject

Last Year Grade

Excellent

Electrical Installation Inside Buildings

Excellent

Training & Main Courses:

- Training in Egypt air in power sector with excellent degree.
- Fresh graduate course level 1 from Arab contractors training institution center.
- Fresh graduate course level 2 from Arab contractors training institution center.
- Health & safety training course from Arab contractors training institution center.
- PLC (advanced course level 1) from jelecom A.D. Panasonic Company with excellent degree.
- AutoCAD (2D) course from information system institute.
- Training course about Electrical safety on Construction Site from Reid Kerr College in UK by Instructor Mr. Bill Burgoyne.
- Proficient in using DIALUX program for lighting design:
 - Interior scenes.
 - Exterior scenes.
 - Street lighting.
- Proficient in using DIALUX EVO program for lighting design
- Proficient in using Ecodial advance program.
- Fair in using Revit MEP program
- Basic aspects course in air conditions and refrigeration, including (fundamentals, operation and maintenance) for York YCIC screw chillers by Johnson controls.

Personal skills:

Highly experienced in electrical designing for diversified projects including renovation and remodeling projects
Proficient in Design and shop drawing Works.
In-depth knowledge of modern safety and designing practices and standards
Ability to provide effective solutions for any technical issues with new and existing designs
Ability to interact effectively with clients and associates and create excellent rapport
Ability to work on different projects simultaneously
Hard working, loyal and confident worker with a go getter attitude
Passionate to deliver my best for every project

Special Studies:

-Principles of Power System including Generation, Transmission, Distribution, Switchgear and Protection for B.E/ B.Tech., AMIE and Other Engineering Examinations.
-Studying all Types of Generating Stations Steam Power Station, Hydroelectric Power Station, Diesel Power Station, Gas Turbine Power Plant and Nuclear Power Plant with their Schematic Arrangement and Comparison between all types of them.

Previous Experiences:

Job Details:	Company Name: Arab Contractors Company
	Period: October 2022 – Till Date
	Job Title: Senior Technical Office Engineer
1. <u>Project Name (Current):</u> Monorail (6 th October city line). BMS and MCC's works.	

Responsibilities:

- Reviewed all design documents and drawings and made reports for problems.
- Identified existing design problems and recommended changes.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Prepared tender document to locate potential vendors and suppliers required by project consultant
- Studying the technical offers and made technical report to get consultant approval on the fulfilled ones.
- Mentored and follow the shop drawings phase for consultant approval.
- Support site engineers on electrical technical issues in order to ensure solving problems effectively and maintain project progress.

Company Name: Pillars Constructions Company
Period: October 2021- September 2022
Job Title: Senior Electrical Office Engineer

Job Details:

1. Project Name:

- 500 500 hospitals.
- Satellite building 1
- New space agency 2
- Central Laboratories building for university and Hangers buildings
- Laverde residential compound.
- PX mall Infrastructure project

Responsibilities:

- Produce electrical design drawings and/or shop drawings for projects to create the electrical infrastructure of projects as needed.
- Review and approve all the electrical drawings of projects to solve any drawing technical issues.
- Meet and coordinate with consultants, contractors, and other stakeholders to have all electrical amendments or changes communicated and approved.
- Support site engineers on electrical technical issues in order to ensure solving problems effectively and maintain project progress.
- Provide technical & administrative information to the others working on a project to ensure that the work complies with all engineering standards, codes, specifications, and design instruction.
- Review schematic designs of new projects received from the design team, to verify their compliance with local building codes & regulation

Company Name: Arab Contractors Company
Period: February 2010- October 2021
Job Title: Senior Technical office & shop drawing Engineer

Job Details:

1. Project Name (Current):

Alazhar Diagnostic Building Hospital.

Responsibilities:

- Mentored and provided technical support as needed.
- Identified existing design problems and recommended changes.
- Provided support for electrical technicians and electricians.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Reviewed all design documents and drawings and made reports for problems.
- Prepared redesign drawings to execute according to standards and codes.
- Prepared shop drawings work for low voltage systems.
- Prepared Lighting works recalculations by using DIALUX program.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD revisions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.

- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

2. Project Name (Current):

Roxy underground smart garage.

Responsibilities:

- Prepared Lighting works recalculations for landscape by using DIALUX program.
- Reviewed all design documents and drawings and made reports for problems.
- Prepared accurate cable sizing and voltage drop calculations.

3. Private Electrical design work (in the same period):

Orlando resort village (chalets, restaurant, small & large villas)

Al Asmarat bakery shops

Al Asmarat Mosque.

Small charity hospital in a rural village.

Responsibilities:

- Prepared drawings and designs, based on the technical specifications, calculating needed measurements of electrical load, and making needed modifications or additions to improve the designs taking into consideration customer's needs and restrictions.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.
- Prepared BOQ for all systems component with its descriptions by setting the needed items, quantities.

4. Private Electrical shop drawings work (in the same period):

Four Underground Parking buildings in Cairo festival city.

Government building in the new administrative capital.

Responsibilities:

- Identified existing design problems and recommended changes.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Prepared redesign drawings to execute according to standards and codes.
- Prepared shop drawings work for electrical lighting, power and cable routing systems.

5. Project Name (Current):

Replacement and renovation of the Revolutionary Command Council building.

Cairo conference halls.

Responsibilities:

- Mentored and provided technical support as needed.
- Identified existing design problems and recommended changes.
- Provided support for electrical technicians and electricians.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Reviewed all design documents and drawings and made reports for problems.
- Prepared redesign drawings to execute according to standards and codes.
- Prepared shop drawings work for Electrical power cable routing system.
- Designed and drafted equipment locations and power layouts, conduit, panel board, and power schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

6. Project Name:

Luxor cancer hospital.

Responsibilities:

- Mentored and provided technical support as needed.
- Identified existing design problems and recommended changes.
- Provided support for electrical technicians and electricians.
- Preparing surveying for all electrical project material.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Reviewed all design documents and drawings and made reports for problems.
- Prepared redesign drawings to execute according to standards and codes.
- Prepared shop drawings work for different electrical systems.
- Evaluated Material Acceptance documentation.
- Contacted with equipment's supplier for getting more information which maintain accuracy in preparing the shop drawing plans.

7. Project Name:

Revival & Renewal of National Bank of Egypt Towers (High Rise Building).

Responsibilities:

- Mentored and provided technical support as needed.
- Identified existing design problems and recommended changes.
- Provided support for electrical technicians and electricians.
- Preparing surveying for all electrical project material.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines.
- Ensure best coordination for all electromechanical works.
- Reviewed all design documents and drawings and made reports for problems.
- Prepared redesign drawings to execute according to standards and codes.
- Prepared shop drawings work for different electrical systems.
- Evaluated Material Acceptance documentation.
- Contacted with equipment's supplier for getting more information which maintain accuracy in preparing the shop drawing plans.

8. Project Name:
Harmel Hospital.

Responsibilities:

Worked in building management system:

- Prepared shop drawings for system plans with its details.
- Reviewed wiring diagrams and electrical schematics.
- Guaranteed the integration of solutions and products between all engineering departments, including Electrical, HVAC, and Hydraulic.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines

9. Project Name:

Revival & Renewal of El Shoura Council.

Responsibilities:

Worked in building management system:

- Prepared shop drawings for system plans with its details.
- Reviewed wiring diagrams and electrical schematics.
- Guaranteed the integration of solutions and products between all engineering departments, including Electrical, HVAC, and Hydraulic.
- Reviewed drawings for conformity, accuracy in coordination with other disciplines

Company Name: EL BEAHA (El Husainee& El Sheaubie) Consultant Office

Period: November 2008 - December 2009

Job Title: Electrical Design Engineer

Job Details:

Made complete design for projects which placed in KSA.

1. Project Name:

Hotet bny Tameem Institute.
El Mozdalfa Institute.

Responsibilities:

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD revisions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

2. Project Name:
Red Crescent Building.

Responsibilities:

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD revisions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

3. Project Name:
Algeria Embassy.
Asmara Embassy.

Responsibilities:

Prepared light current design works for whole building.

4. Project Name:
Underground garage (Four Floors).

Responsibilities:

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD revisions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

Company Name: Cairo Consultant Office

Period: July 2007 - October 2008

Job Title: Electrical Design Engineer

Job Details:

1. Project Name:

Dr. Hamam Serag Eldin Hospital.

Responsibilities:

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD versions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

2. Project Name:

Floranza Resorts.

Responsibilities:

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD versions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.

3. Project Name:
KOKI Factory.

Responsibilities:

Made complete design for buildings which is Extensions for the old one

- Prepared Design works for low voltage and light current systems.
- Prepared Lighting Works Design by using DIALUX program by distributing lighting fixtures for interior and exterior scenes with its complete calculations & output sheets followed by descriptions for whole used fixtures.
- Created assembly and layout electrical drawings using AutoCAD. Modified and improved existing electrical drawings to ensure up-to-date technology and techniques are implemented.
- Developed customized lighting layouts showing foot candle calculation points for work and plane levels.
- Designed and drafted equipment locations, lighting and power layouts, conduit, panel board, and lighting schedules.
- Prepared accurate cable routing, cable sizing, short circuit analysis and voltage drop calculations.
- Fluent in all AutoCAD revisions
- Experience also included list of materials, interface with other disciplines.
- Designed full wiring diagrams for panel assembly drawings
- Prepared Power Systems Design works including (Normal, Emergency, UPS) systems.
- Prepared Light Current Systems Design works.
- Prepared balanced load schedules for all Electrical Distribution Panels.
- Prepared SLD for electrical panels and main riser for whole building.
- Also prepared Electrical design drawings with their calculations sheet for the layout of the building.