

Aboubakr Kamaleldin

Electrical Engineer

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Summary

Associate Electrical Power and Low Current Engineer with over 10 years of experience in design, technical office operations, and site supervision. Certified in **FE Electrical and Computer (NCEES)**, **Project Management Professional (PMI-PMP®)**, and **PMI Risk Management Professional (PMI-RMP®)**.

Skilled in managing complete project lifecycles including design, procurement, material approvals, shop drawings, installation, testing, commissioning, and handover.

Experienced in analyzing projects and tender documents, performing cost-benefit assessments, and conducting detailed electrical pricing analysis to provide comprehensive insights for decision-makers and align participation decisions with the company's strategic vision.

Proficient in engineering software and well-versed in international electrical standards (NEC, NFPA, IEC, IEEE), with a proven track record of delivering large-scale projects in administrative buildings, universities, hotels, and service facilities with a strong focus on quality, efficiency, and innovation.

Education

- **B.SC Electrical Engineering.** *(Power Department, Al-Azhar University, Cairo, Egypt)*
Graduation Year: 2016
Major: Electrical Power
Graduation Project: Electrical Power Distribution for administrative buildings.
Graduation Project Grade: Excellent
Cumulative Grade: Good
- **FE Electrical and Computer – NCEES**
Date Obtained: **01 Sep 2025**
Fundamentals of Engineering exam covering electrical and computer engineering principles.
- **PMI-RMP® – Risk Management Professional – Project Management Institute (PMI)**
Date Obtained: **12 Feb 2024**
Specialized in project risk identification, analysis, and response planning.
- **PMP® – Project Management Professional – Project Management Institute (PMI)**
Date Obtained: **29 Sep 2023**
Demonstrated expertise in project management processes and methodologies.

Professional Experience

- **Electrical Projects Engineer | [Saudi Green Company – Riyadh, Saudi Arabia](#)**

(Dec 2024 – Present)



Key Responsibilities:

- Handled all governmental procedures with the Saudi Electricity Company (SEC), including applications for electricity meters and transformers.
- Studied new projects, analyzed BOQs, and estimated project costs.
- Designed various electrical systems according to project specifications and standards.
- Conducted site visits to monitor completion rates and evaluate project progress.
- Reviewed periodic site invoices for accuracy and compliance.

- Assisted site engineers in troubleshooting and resolving technical issues.
- Prepared electrical shop drawings, load schedules, single-line diagrams (SLDs), and other design documents for all Riyadh branch projects.
- Attended technical meetings with owners and consultants to resolve outstanding issues and ensure project delivery within scope, time, and budget.
- Provided technical support to design and site teams, resolving design and implementation issues.
- Reviewed and approved material submittals, procurement schedules, and technical documentation.
- Coordinated with multi-disciplinary teams to ensure seamless project execution.
- Supervised site activities and contractor work to ensure compliance with drawings, specifications, and deadlines.
- Conducted inventory reviews and prepared cost estimates for electrical works.

Projects: -

A. Wyndham Garden Hotel (Renovation)



- **Client:** Al-Mutamyyizah Hotel Company
- **Operator:** WYNDHAM GARDEN
- **Consultant:** Mohamed Harasani Architects
- **Scope:** Renovation of a hotel (Basement, Ground Floor, Mezzanine, 3 Guestroom Floors, Rooftop).



Key Achievements:

- Handled all governmental procedures with the Saudi Electricity Company (SEC), including applications for electricity meters and transformers.
- Designed and delivered LV & ELV systems: Lighting, GRMS, Power, Power Equipment, Data Network, CCTV, PA System, Access Control, Panic System, Fire Alarm.
- Managed procurement, purchase orders, and supplier coordination.
- Prepared and submitted IRs, MIRs, RFIs, and technical submittals for approvals.
- Produced load schedules, SLDs, schematic diagrams, and cable schedules.
- Supervised execution to ensure quality and compliance with project specifications.
- Prepared periodic progress invoices for executed site works.
- Attended technical meetings to address and resolve implementation challenges and provide solutions.
- Coordinated and attended interdisciplinary meetings to ensure alignment between all disciplines and prevent work conflict

B. Commercial Tower

- **Client:** Najem Abdullah Naser Aba Hussain
- **Consultant:** Saudi Architects
- **Scope:** High-rise commercial tower with 5 basement levels and 13 commercial floors.

Key Achievements:

- Prepared all electrical design documents: shop drawings, SLDs, load schedules.
- Managed SEC approvals and ensured compliance with local standards.
- Coordinated procurement, site supervision, and multi-discipline integration.

C. Al-Rajhi Family Villa Project

- **Client:** Yazid Al-Rajhi

- **Consultant:** AD Engineering
- **Scope:** Residential complex with 4 villas, a playground, a service building, and site infrastructure.

Key Achievements:

- Designed electrical layouts and distribution systems.
- Oversaw procurement and supervised contractor installations.
- Coordinated with engineering teams to ensure timely delivery.

D. Residential Villas, Mosques, and Small Medical Centers

- **Scope:** Full electrical designs and approvals for multiple small-scale projects.

Key Achievements:

- Delivered full electrical designs and SEC approvals.
- Handled load schedules, SLDs, and design reviews for timely execution.

▪ **Electrical Projects Engineer** | [Al-Mowatin International Company – Riyadh, Saudi Arabia](#)

(Dec 2022 – Dec 2024)



Al Mowatin International Corp.
Building 322, King Abdulaziz Road, Riyadh, Saudi Arabia.

Key Responsibilities:

- Studied new projects, analyzed BOQs, and estimated project costs.
- Designed various electrical systems according to project specifications and standards.
- Prepared detailed shop drawings for multiple electrical systems.
- Developed comprehensive bills of quantities (BOQ) based on approved designs.
- Created electrical load lists, schematic diagrams, single-line diagrams, and cable schedules.
- Prepared and submitted Material Inspection Requests (MIRs), Requests for Information (RFIs), and other approval documents.
- Conducted site visits to monitor completion rates and evaluate project progress.
- Reviewed periodic site invoices for accuracy and compliance.
- Assisted site engineers in troubleshooting and resolving technical issues.
- Managed inventory, sourced best price quotations, procured materials, and developed supply schedules aligned with site progress.

Projects:

A. Digital Government Authority Project – Riyadh

- **Client:** Digital Government Authority
- **Consultant:** Drwazah Engineering Consultant & Safety Co.
- **Summary:** Renovation of six administrative floors and the general site of the building.



Key Achievements:

- Designed low voltage and light current systems, including Lighting, Power, Power Equipment, Data System, CCTV, Public Address, Access Control, Clock System, and Fire Alarm System.
- Translated project and client requirements into detailed electrical design deliverables.
- Prepared shop drawings for all low voltage and light current works.
- Developed detailed bills of quantities (BOQ) based on approved designs.

- Prepared purchase orders and managed procurement processes until material delivery to site.
- Submitted required Inspection Requests (IRs), Material Inspection Requests (MIRs), Requests for Information (RFIs), and other approval submittals.
- Ensured all submitted materials complied with project specifications and standards.
- Created electrical load lists, schematic diagrams, single-line diagrams, and cable schedules.
- Reviewed supply schedules and coordinated the procurement process.
- Conducted detailed quantity surveys of electrical materials and tracked material status throughout the project.
- Developed plans for material supply according to project progress.
- Coordinated electrical implementation schedules with other disciplines.
- Approved suppliers for electrical installations and materials and prepared vendor lists.
- Performed inventory work, prepared BOQs, and developed pricing for electrical installation items.
- Inspected contractor work to ensure compliance with schedules and approved materials.
- Actively participated in meetings and committees for project inspections and handovers.

B. Taif–Wadi Sayil Housing Project

- **Client:** National Housing Company
- **Third Party:** Dar Al Riyadh
- **Consultant:** Al-Mnabr Consulting Professional
- **Summary:** Development of 349 villas (four types).



C. Muhayel Asir Housing Project

- **Client:** National Housing Company
- **Consultant:** OMRAN Architects & Engineering
- **Summary:** Development of 17 villas.



Key Achievements:

- Designed low voltage and light current systems for 349 villas (four types) in Taif-Wadi Sayil Project and 17 villas in Muhayel Asir Project.
- Conducted technical studies, electrical load calculations, and system analysis.
- Translated project/client requirements into electrical design deliverables.
- Prepared purchase orders and managed procurement processes until material delivery to site.
- Submitted required IRs, MIRs, RFIs, and other approval documentation.
- Ensured submitted materials complied with project specifications.
- Created electrical load lists, schematic diagrams, single-line diagrams, and cable schedules.
- Reviewed procurement and supply schedules for required electrical materials.
- Conducted accurate quantity surveys and tracked all electrical materials.
- Developed material supply plans aligned with project progress schedules.
- Coordinated electrical implementation schedules with various disciplines.
- Approved suppliers for electrical works and prepared vendor lists.
- Performed inventory, prepared BOQs, and developed pricing for electrical installation works.
- Inspected contractor execution to ensure adherence to project timelines and material approvals.
- Participated in meetings, inspections, and committees for project handovers.
- Prepared technical reports documenting execution stages of projects.

▪ **Electrical Design Engineer** | **DARCO Company-Jeddah, Saudi Arabia**

(July 2022 – December 2022)



Projects: -

Residential Building Project (Al-Fal District / Al-Marwa District / Al-Safa District)

- **Client:** Al-Msakin Palace
- **Consultant:** AFM Consultants
- **Summary:** Integrated residential complexes.



Key Responsibilities:

- Prepared design drawings and shop drawings, ensuring documentation and records were reviewed and approved by the consultant.
- Prepared subcontractors' and client invoices based on progress reports from site engineers.
- Coordinated and followed up with subcontractors on all engineering-related issues.
- Reviewed and authorized subcontractor invoices for payment.
- Inspected and verified the quality of executed work.
- Conducted quantity surveying for all executed work items.
- Prepared technical submittals and negotiated approvals with the client.
- Developed conceptual and detailed design documents, calculation notes, drawings, and detailed material take-offs required for the project; negotiated deliverables with all relevant stakeholders.
- Monitored and followed up on material submittals, ensuring consultant approval.
- Coordinated with consultants to secure approvals and distributed approved workshop drawings to all relevant site teams.
- Handled load schedules, SLDs, and design reviews for timely execution.

▪ **Technical Office Engineer** | **Gharably Integrated Engineering (GIECO) – Cairo, Egypt**

(January 2021 – July 2022)



Projects: -

A. The Building of the Ministry of Defense (The Octagon 9)

- **Client:** Egyptian Armed Forces Engineering Authority
- **Consultant:** Shaker Consultancy Group
- **Summary:** Large-scale administrative building, headquarters of the Egyptian Ministry of Defense.



B. Transportation hub-New Administrative Capital

- **Client:** Egyptian Armed Forces Engineering Authority
- **Consultant:** KAD Design
- **Summary:** Multi-level parking facilities with an administrative building.



C. Buildings (21, 22) – Japanese University

- **Client:** Egyptian Armed Forces Engineering Authority
- **Summary:** University buildings project.

Key Responsibilities:

- Prepared and reviewed shop drawings and as-built drawings, ensuring consultant approvals.
- Reviewed and resolved conflicts in drawings before project closure.

- Prepared subcontractors' and client invoices based on site engineers' progress reports.
- Coordinated with subcontractors on engineering-related issues.
- Reviewed and issued payment orders for subcontractors' invoices.
- Conducted quality checks of executed works.
- Performed quantity surveying for all executed work.
- Studied and interpreted contract documents (drawings, specifications, BOQ).
- Prepared and negotiated technical submittals with the client.
- Created conceptual and detailed design documents, lists, calculation notes, and material take-offs.
- Followed up on material submittals and communicated with consultants for approvals.
- Shared approved workshop drawings with all concerned site teams.
- Prepared and submitted periodical reports (e.g., Quantity Executed Invoices) to headquarters.

▪ **Technical Office & Site Engineer** | **Trust Power and Automation Services -Alexandria, Egypt**
(September 2020 – December 2020)

Project: -

Converting Bank into an administrative Building.



- **Client:** Misr Insurance Company
- **Consultant:** Architecture & Planning Group
- **Summary:** An administrative building consisting of 10 floors.



Key Responsibilities:

- Reviewed and corrected site drawings, applied redlines, and created field sketches to align with industry standards.
- Produced high-quality technical drawings for electrical systems.
- Assisted in the electrical design process as directed by supervisors.
- Maintained a well-organized archive of drawings and design documents.
- Developed and improved project management skills through active participation.
- Attended on-site meetings for project coordination and updates.
- Prepared electrical procedures for installation, testing, and commissioning activities.
- Interpreted and analyzed electrical design specifications and technical drawings.
- approvals.
- Shared approved workshop drawings with all concerned site teams.
- Prepared and submitted periodical reports (e.g., Quantity Executed Invoices) to headquarters.

▪ **Site Engineer** | **Abdul Aziz H. Al-Jafri Al-Tayar -Hofouf, Saudi Arabia**
(May 2018 – May 2020)

Projects: -

Municipality Building (Al Amana /El-Aoun / Goatha)

- **Client:** Al-Ahsa Municipality
- **Consultant:** Saud Consult
- **Summary:** Three-story administrative buildings



Key Responsibilities:

- Prepared detailed reports on work progress and project completion rates.
- Maintained professional relationships with suppliers and contractors to ensure smooth project operations.

- Supervised teams of electricians to ensure compliance with project requirements.
- Applied local and national electrical codes (NEPA) and client specifications to oversee installation of distribution boxes, isolators, meters, sockets, cabling, and cable routing.
- Evaluated and resolved technical issues to maintain project quality and timelines.
- Implemented and monitored work schedules, delivering daily, weekly, and monthly progress reports.
- Conducted testing of installed products to verify correct installation and operation.
- Oversaw and inspected subcontractor installations to ensure adherence to drawings and specifications.
- Coordinated with civil, mechanical, and finishing teams to prevent rework and delays.
- Provided accurate updates to project managers and office management on work status and recommended improvements.
- Performed additional duties and responsibilities as assigned by supervisors.

Technical Skills

- **Electrical Codes and Standards:** Proficient in NEC, NFPA, IEC, IEEE, and other international electrical codes and standards.
- **Electrical Design:** Experienced in LV and ELV systems, load schedules, single-line diagrams (SLDs), schematic diagrams, cable sizing, lighting systems, power distribution, and grounding.
- **Project Analysis:** Skilled in reviewing and analyzing tender documents, performing cost-benefit assessments, and preparing detailed electrical pricing analysis to support strategic decision-making.
- **Project Management:** Certified PMP® and PMI-RMP®, with proven experience in planning, procurement, material approvals, technical submittals, installation, testing, commissioning, and project handover.
- **Software Proficiency:** Advanced user of AutoCAD, Revit MEP, Dialux, ETAP, and Microsoft Office Suite.
- **Professional Credentials:** Bachelor's degree in Electrical Engineering. Certified FE Electrical and Computer (NCEES). Member of the Saudi Council of Engineers. Member of the Egyptian Engineers Syndicate.

Certifications & Courses

- Project Management Professional (PMP®) – PMI (Project Management Institute)
- PMI Risk Management Professional (PMI-RMP®) – PMI (Project Management Institute)
- FE Electrical and Computer – NCEES
- BIM Diploma – BIM Solution (Aug 2021 – Oct 2022): Revit MEP Essential, Revit Specialist, Revit Families, BIM Manager, Dynamo, Navisworks, Fabrication
- Basics of Pricing – Udemy (May 2021)
- Power System Distribution – Specialized Training
- AutoCAD – Advanced Level
- ETAP – Electrical Power System Analysis
- Light Current Systems – Specialized Training
- Dialux – Lighting Design Software

Soft skills

- Excellent Communication & Negotiation Skills
- Problem-Solving and Analytical Thinking
- Time Management & Organizational Skills
- Safety-Conscious & Risk Management
- Strong teamwork and collaboration abilities

- Ability to work effectively under high pressure
- Skilled in multitasking and prioritization
- Strong self-learning capability
- Quick adaptability to new tools, technologies, and work environments
- Open-minded and receptive to innovation
- Strong analytical skills with a focus on problem-solving

Languages:

- **Arabic:** Native
- **English:** Very Good

Personal Information

- **Date of Birth:** September 30, 1993
- **Military Status:** Completed Military Service
- **Marital Status:** Married



Examinee

Name

Abobakr Ibrahim

NCEES ID

25-752-49

Latest Photo



Exam

FE Electrical and Computer

Date: 08/30/2025

Result: Pass

Board: EES

Verifiable Link

<https://account.ncees.org/rn/2575249-1845070-debb4ee>

Sharing your exam result

Copy and paste the unique verifiable link shown above to allow others to verify this exam result in a secure environment.

Licensure requirements in the United States

Licensure for the engineering and surveying professions is regulated by each individual U.S. state and territory. All candidates for licensure must meet specific requirements in education, experience, and exams. Passing an NCEES exam is only part of the licensure process.

Examinees interested in pursuing licensure are encouraged to check the requirements of the state or territory where they plan to practice, as the requirements vary.



THIS IS TO CERTIFY THAT

ABOUBAKR KAMALELDIN ELSAID IBRAHIM

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)[®]

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE

A handwritten signature in black ink, reading 'Jennifer Tharp'.

Jennifer Tharp | Chair, Board of Directors



A handwritten signature in black ink, reading 'Pierre Le Manh'.

Pierre Le Manh | President & CEO

PMP[®] Number: 3653315

PMP[®] Original Grant Date: 29 September 2023

PMP[®] Expiration Date: 29 September 2026





THIS IS TO CERTIFY THAT

Abou-Bakr Kamal El-Din El-Said Ibrahim

HAS BEEN FORMALLY EVALUATED FOR EXPERIENCE, KNOWLEDGE AND SKILLS IN THE SPECIALIZED AREA OF ASSESSING AND IDENTIFYING PROJECT RISKS AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

PMI Risk Management Professional (PMI-RMP)[®]

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE

A handwritten signature in black ink that reads 'LuAnn Piccard'.

LuAnn Piccard, PMP | Chair, Board of Directors



A handwritten signature in black ink that reads 'Pierre Le Manh'.

Pierre Le Manh | President & CEO

PMI-RMP[®] Number: 3773440

PMI-RMP[®] Original Grant Date: 12 February 2024

PMI-RMP[®] Expiration Date: 12 February 2027

