

Ahmed Ibrahim Abdellatief

BIM Coordinator

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Career Objective

A highly skilled Electrical BIM Coordinator and AEC Developer, I specialize in integrating advanced BIM technologies to enhance design accuracy, workflow efficiency, and project collaboration. With a proven record on projects such as MISK, NEOM Hotel, KAFD and KAUST in KSA and CBD Iconic Towers and others in Egypt, I aim to contribute innovative solutions in the AEC industry by leveraging expertise in BIM coordination, modeling, and automation.

Education

Aswan University

Sept 2014 – May 2019

Bachelor's Degree in Electrical Engineering

- **Graduation Project:** Electrical Distribution Systems (Grade: Excellent)
- **Graduation Year:** 2019

BIM Development Portfolio

BIM Add-ins and Automation Tools Developed by me (Click on the Name to get the link):

- Add-in 1: [\[Cable Tray Sections PRO Creator\]](#) [🔗](#).
- Add-in 2: [\[Numbering for outlets\]](#) [🔗](#).
- Add-in 3: [\[Line Cutting in Revit\]](#) [🔗](#).
- Add-in 4: [\[Connect Fixtures with Detail Lines\]](#) [🔗](#).
- Add-in 5: [\[Standard Boq Exporter\]](#) [🔗](#).

Experience

BIM Coordinator & BIM Developer

Riyadh, Saudi Arabia

FIRST FIX-KSA

Jan 2025 – Present

- BIM Coordination for 3D BIM Models
- Following the BIM Workflow
- Clash detection and resolution via Navisworks and Revizto.
- BIM Automation tasks with custom C# Revit add-ins.
- Prepared accurate shop drawings for electrical systems.
- Collaborated with multidisciplinary teams on large-scale projects in KSA and Egypt.

– **Projects**

* **ILMI Science Discovery & Innovation Center** (MISK City — Riyadh, KSA).

BIM Instructor

Cairo, Egypt

COMMA LEARNING SOLUTIONS

Oct 2023 – Present

- Develop and deliver electrical BIM training for all skill levels.
- Create engaging learning materials and hands-on exercises.
- Provide personalized support and feedback to students.
- Facilitate group discussions and workshops for collaboration.
- Contribute to the development of new training programs.

Electrical BIM Engineer & BIM Developer
HESCO ENGINEERING SERVICES

6-October, Giza, Egypt
Jan 2024 – Jan 2025

- Developed 3D BIM models.
- Clash detection for coordination.
- Automated workflows with C# add-ins for Revit.
- Shop drawings for electrical and light current systems.
- Detailed BOQs prepared for project cost estimation.
- Ensured compliance with local and international standards (SBC, NEC, CIBSE ...).

– **Projects**

- * **KAUST** (King Abdullah University of Science and Technology — KSA).
- * **MASAR** (Modern City — KSA).
- * **Z12** (Luxury Palaces Group — KSA).
- * **RUWAIS COMPOUND** (Luxury residential complex — KSA).

Electrical BIM Design Engineer
SABBOUR CONSULTING

Cairo, Egypt
Feb 2022 – Jan 2024

- Design of electrical systems (Low Voltage & Light Current) in compliance with local codes and international standards (SBC, NEC, CIBSE, etc.).
- Design and development of electrical infrastructure Systems.
- Creation of 3D BIM models and family creation using Revit.
- Coordination of projects across multiple disciplines.
- Lighting design calculations using Dialux Evo.
- Voltage drop and short circuit analysis and calculations.
- Sizing of electrical equipment (transformers, generators, etc.).

– **Projects**

- * **NEOM Hotel** (3-star hotel in KSA with advanced technologies — KSA).
- * **Nesma Infrastructure Project** (15,000 residents — KSA).
- * **SHELL Administrative Building** (6th of October City — Egypt).
- * **Afrefim Bank Villas** (6 types of villas — Egypt).

Electrical BIM Engineer
ZFP - ZUHAIR FAYEZ PARTNERSHIP CONSULTANTS

Cairo, Egypt
Aug 2021 – Feb 2022

- Design of electrical systems (Low Voltage and Light Current) in compliance with local codes and international standards (SBC, NEC, CIBSE, etc.).
- BIM Modeling: Create 3D electrical models and families in Revit.
- Project coordination: Collaborate across disciplines.
- Lighting Design: Perform calculations using Dialux Evo.
- Calculations: Voltage drop, short circuit, and equipment sizing (transformers, generators).
- Voltage drop and short circuit analysis and calculations.

– **Projects**

- * **KAFD Projects** (Administrative and Residential buildings — KSA).
- * **Saudi Airport** (— KSA).
- * **SOUL Project** (— North Coast, Egypt).

Electrical Technical Office Engineer
CSCEC - CHINA STATE CONSTRUCTION ENGINEERING CORPORATION.

6-October, Giza, Egypt
Sep 2020 : Aug 2021

- Submit shop and as-built drawings for Low Voltage electrical systems.
- Create models and drawings of products.
- Coordinate with other disciplines using Revit.
- Ensure safety standards compliance.

– **Projects**

- * **CBD project in New Cairo for Iconic Towers** (Residential towers ‘D04, D05’ — New Cairo).
- * **CBD project in New Alamin for Iconic Towers** (The main tower with 67 floor — Alamin, Egypt).

Electrical Technical Office & Site Engineer
POWER FOR ELECTROMECHANICAL CONTRACTING

6-October, Giza, Egypt
Aug 2019 – Sep 2020

- Power Systems (Lighting, Sockets, Ac, Electric water heaters)
- Light Current Systems (Data, Telephone, SMATV, CCTV, Queue, Fire Alarm, Sound, Security, intercom, Access Control and nurse call).
- Designs, Shop-drawings, SLD and As-built drawings.
- 3D Lighting models design.
- Study and discussion BOQ.
- Pricing.
- Supply Orders.

– **Projects**

- * **Electrical Design (LV, LC) for New Aswan Hospital**(8000m²).
- * **Electrical Design (LV, LC) for Hayah Karema projects**[Citizens Service Center].
- * **Upgrade of Various Projects and Electrical Design (LV, LC):** [Aswan Urology Department – Aswan Orthopedic Department – Aswan Outpatient Clinics].
- * **Electrical Design (LV, LC) for** [Faculty of Physical Education (7000m²) – College of Arts in Luxor (1800m²)].
- * **Electrical Design (LV) for Football Field** (70 x 90 m).
- * **Site and Technical Office for We – Aswan Branch.**
- * **Technical Office for Health Units with Universal Health Insurance:** [Kobanya – Elseel – Maneha – Bayarah – Alaky – Kostol – Sahiel Island – Elder – Abou Simbel – Hekma – Karamah].
- * **Electrical Design (LV, LC) for Service Center of a Hospital:** [Restaurant – Central Kitchen – Main Laundry – Main Sterilization (2100m²)].
- * **Electrical Design and Shop Drawing (LV, LC) for:** [Luxor University E-learning Center (4000m²) – Aswan University E-learning Center and Residential Part (12000m²)].
- * **3D Lighting Designs** [\[Link for My Lighting Design Portfolio\]](#) 
 - Aswan University Landscape.
 - Façade of Aswan College of Engineering.
 - Umbrellas for Students of the Faculty of Engineering in Aswan.
 - Al-Nasr Mosque in Aswan.
 - Luxury Apartments.

Skills

◦ Technical Skills:

- BIM Tools: Revit, Navisworks, AutoCAD, Autodesk Construction Cloud(ACC), Revizto.
- Electrical Design Tools:ABB DocWin, Dialux Evo.
- Programming & Development: C#, .NET Framework, WPF.
- Project Management: Microsoft Office Suite.
- Multimedia: Adobe Photoshop, Illustrator, After Effects, Premiere.

◦ Personal Skills:

- Strong presentation and communication abilities.
- Effective team collaboration and leadership.
- Problem-solving and creative thinking.

◦ Language Skills:

- Arabic: Mother Language.
- English: Proficient (reading, writing, speaking).

Courses and Certifications

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| ◦ Level 3: Elite Expert Course (REVIZTO Academy) | April 2025 |
| ◦ Level 2: Coordination Mastery Course (REVIZTO Academy) | April 2025 |
| ◦ Level 1: Collaboration Essentials Course (REVIZTO Academy) | March 2025 |
| ◦ AiCE (Artificial Intelligence Career Enhancement) (ALX) | Jan 2024 |
| ◦ MEP BIM Diploma (Kaitech) | July 2024 |
| ◦ BIM Automation (API Programming) (Kaitech) | July 2023 |
| ◦ BIM Diploma (Kaitech) | July 2022 |
| ◦ Facade and Landscape Lighting Design (Udemy) | Dec 2021 |
| ◦ Advanced Dialux Evo for Lighting Design (Udemy) | Nov 2021 |
| ◦ Dialux evo for Advanced Users (Udemy) | OCT 2021 |
| ◦ Revit MEP (Electrical) | Jan 2021 |

Trainings and Internships

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| ◦ Electrical Distribution System Training (Power Company) | April 2019 |
| ◦ Hydro Plants Generation Company (Hydro Plants Generation) | Jul 2018 |
| ◦ Talkha Compound Power Station (Summer training) | Aug 2016 |
| ◦ TOT - Training of Trainers (Helwan university) | Jun 2018 |
| ◦ PMP Course (E-youth Company Sponsored by USAID) | Mar 2017 |
| ◦ Robotic Course and Competition (Aswan Faculty of Engineering) | Feb 2015 |

Volunteer Work and Activities

- Head of Logistics - IEEE Aswan Student Branch.
- Head of Entrepreneurship - Masr Ta3mal (Microsoft).
- Soft Skills Trainer - Khatwa Foundation.
- Youth Trainer - Y-Peer Egypt (UNFPA Initiative).