**Eyad Lead Electrical Engineer**

*•* [eyad.293755@2freemail.com](mailto:eyad.293755@2freemail.com)

Results-driven, dedicated, and accomplished Lead Electrical Engineer with a track record of success in planning, managing, leading, and completing complex, high-profile projects for Oil and Gas Onshore/ Offshore, Brown / Green fields projects, Petrochemical industries and LNG plant with premier Consulting Companies (Mott Macdonald, EXIDASP, Chiyoda CCC Engineering, CB&I Lummus and Enppi) and Egyptian and global clients (Shell, ENI, ExxonMobil, SABIC, BP, BG, QP, ADMA and ADCO). Demonstrated expertise in preparing project documents, creating proposal estimates, developing budgets, gathering and meeting client requirements, and implementing project policies and procedures, while ensuring all deliverables completed on time, on budget, and within scope. Strong electrical engineering design skills with comprehensive knowledge of all international industry codes and standards, including IEC, BS, ANSI, NEC, IEEE, API, NFPA and Shell DEP. Recognized leader with a history of building, training, developing, and motivating high-performing teams to exceed all goals. Exemplary interpersonal skills used to interact and build strategic alliances with stakeholders, business partners, clients, senior leaders, associates, vendors, and other third parties. *Areas of Expertise developed over more than 19 years of experience include:*

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| * Electrical Equipment Sizing | * Project Design & Specification | * Power System Studies |
| * Electrical Systems | * Electrical Calculations | * Engineering Documentation |
| * Cost Estimation & Reduction | * Project Planning& Scheduling | * Hazard Area Classification |
| * Technical Expertise & Supervision | * Health & Safety Compliance | * Quality Assurance |
| * Resource& Personnel Management | * Relationship Building | * Problem Resolution |
| * Construction Management | * Commissioning Support | * Purchasing & Technical Bid Evaluation |
| * Training & Development | * Team Building & Leadership | * Project Management |

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| **Professional Experience** |

**MOTT MADCONALD** • Abu Dhabi, UAE • Apr 2015-Present

**Senior Electrical Engineer (PMC) Seconded to ADCO**

* Apply engineering, project management, and leadership expertise to oversee and manage all aspects of electrical projects, including interpreting plans, specifications, drawings, and documents related to engineering and construction, coordinating project construction with project managers and site construction managers to resolve critical and time-sensitive construction-related electrical issues, leading and assisting electrical-related issues, including root cause analysis as needed, reviewing FEED/EPC schedule and CTRs, supervising engineering team progress and listing flawed policy in documents tracking, reviewing all project documents issued by consultant, approving validated documents to the detailed engineering phase.
* Resolving conflicts occurring during project execution to minimize project risk, analyzing project reports and action logs to investigate unforeseen problems and deviations from project plan, and reporting project progress and performance to management.
* Other essential project tasks include: replying to bidders’ clarifications during bidding stage, updating scope of work and design basis based on tender bulletin clarification, managing, expediting, and supporting consultants’ and contractor document submittals, budgets, and schedules, and monitoring and analyzing contractor performance in scheduling, cost, and budget forecasting.
* Cultivate and maintain contacts with consultants, contractors, vendors, and material suppliers. Serve as a liaison between the electrical engineering team and internal clients, including Construction, Operations, Environmental, Health & Safety to enhance interdepartmental relations. Assist with development of new electrical engineering standards and improve existing standards and guidelines, implementing industry and company best practices.
* Ensure electrical portion of the estimated balance of plant cost optimized by providing accurate project layouts and bills of material takeoffs with constructability and operability needs. Act as a subject matter expert regarding certain electrical engineering activities. Collaborated with internal teams to ensure project needs and objectives met. Monitor and update electrical-related scope documents, exhibits, budgets, specifications, schedules, and Requests for Proposals (RFPs). Attend and participate in project’s design review, as well as in engineering, design, and construction review processes.
* Lead and conducts value-engineering studies of alternative design approaches. Review electrical discipline calculations, including power study (short circuit, load flow, motor starting, relay coordination), earthing calculation, cable sizing, lighting calculation, and electrical equipment sizing.

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| **Professional Experience Continued – Eyad Kadour, CV Page 2** |

**MOTT MADCONALD** • Abu Dhabi, UAE • Apr 2015-Present

**Senior Electrical Engineer (PMC) Seconded to ADCO**

**Project Highlights:**

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| **Project Title** | **Client/Location** | **Project Value/Type** |
| Bab Integrated Facilities Project | ADCO - UAE | $1.5B USD Onshore Brown Field |

* Created capacity for Th-H and Th-A new reservoir to produce an additional 15 MBOPD each as part of the 1.8 MMBOPD building blocks.
* Installing and commissioning NO. 4 high voltage 220/33/11 KV substations complete with major electrical equipment, such as 150/120 MVA power transformers, HV switchgears, and HV MCC-power factor compensation units-HV VF
* Replacing overall 220&33 KV OHL network of BAB with lattice steel towers double circuit to sustain required demand with all associated equipment, such as 250 km 33 KV, OHL-100 KM 220 KV and OHL-buffer transformers power factor compensation units for 3.3 KV network.

**EXIDASP** • Dubai, UAE • Dec 2013-Apr 2015

**Lead Electrical Engineer Seconded to China Petroleum Engineering CO., LTD (CPE)**

* Prepared CPE general specifications, data sheets, man-hours standard, and CPE design guide/check lists. Built CPE electrical engineering team by interviewing and selecting team members. Generated project man hours and scope of work during proposal stage. Reviewed and supervised electrical technical and techno commercial issues, while evaluating, managing, and overseeing project’s technical issues and power studies, including short circuit, load flow, and motor starting using EDSA software.
* Ensured development drawings checked and completed in an efficient and timely manner. Reviewed job specification for alignment with contractual requirements. Developed electrical engineering designs conforming the contractual requirements and applicable codes. Participated in project’s design review.
* Managed and monitored electrical team man hours and schedule of electrical deliverables. Reviewed hazardous area classification drawings for the proper selection of electrical equipment with respect to applicable code and assessed all drawings prior to release to ensure complete and in compliance with project instructions, client requirements, applicable codes, standards, and specifications.

**Project Highlights:**

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| **Project Title** | **Client/Location** | **Project Value &Type** |
| HalfayaSurface Facility Ph3 Project | Petro China Int Iraq FZE -Iraq | $450M USD Onshore Green Field |

**Key Accomplishments:**

* **Halfaya Surface Facility Ph3 Project** Optimized network design by utilizing 66Kv substation to feed projects loads and cancel purchasing of three turbine sets as was decided in conceptual design saving $12M USD.

**CHIYODA CCC ENGINEERING LTD (CCEL)** • Abu Dhabi, UAE • Dec 2008-Dec 2013

**Lead Electrical Engineer**

* Prepared project man hours and scope of work during proposal stage. Reviewed and supervised electrical technical and techno commercial issues, while evaluating, managing, and overseeing project’s technical issues and power studies, including short circuit, load flow, and motor starting using ETAP/EDSA software.
* Ensured development drawings checked and completed in an efficient and timely manner. Reviewed job specification for alignment with contractual requirements. Developed electrical engineering designs conforming the contractual requirements and applicable codes. Participated in project’s design review.
* Managed and monitored design changes as related to the original scope. Oversaw electrical team man hours and schedule of electrical deliverables. Reviewed hazardous area classification drawings for the proper selection of electrical equipment with respect to applicable code and assessed all drawings prior to release to ensure complete and in compliance with project instructions, client requirements, applicable codes, standards, and specifications.

**Project Highlights:**

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| **Project Title** | **Client/Location** | **Project Value &Type** |
| ADMA Crude Oil Blending | ADMA - UAE | $20M USD Offshore Brown Field |
| ADMA CTU Facilities | ADMA - UAE | $40M USD Offshore Brown Field |
| ADMA (+) 100 MBD Das Facility Upgrade | ADMA - UAE | $170M Offshore Brown Field |
| Berths & Port Infrastructure Ras Laffan | QP-Qatar | $1.7B Onshore Green Field |

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| **Professional Experience Continued – Eyad Kadour, CV Page 3** |

**CHIYODA CCC ENGINEERING LTD (CCEL)** • Abu Dhabi, UAE • Dec 2008-Dec 2013

**Lead Electrical Engineer**

**Key Accomplishments:**

* **ADMA (+) 100 MBD Das Facility Upgrade Project:** Successfully upgraded and modified electrical systems with zero shutdown, achieving $2.5M USD bonuses for no production loss at DAS Island.
* **Berths & Port Infrastructure Ras Laffan Project:** Reduced man-hours 10% and successfully completed project four weeks ahead of schedule, achieving early mechanical completion bonus**.**

**Chicago Bridge & Iron Lummus**, • Cairo, Egypt • Oct 2007-Dec 2008

**Lead Electrical Engineer**

* Contributed to project activities, including preparing projects’ man hours and scope of work during proposal stage. Reviewed and supervised electrical technical and techno commercial issues, while evaluating, managing, and overseeing project’s technical issues and power studies, including short circuit, load flow, and motor starting using ETAP/EDSA software.
* Ensured development drawings checked and completed in an efficient and timely manner. Reviewed job specification for alignment with contractual requirements. Developed electrical engineering designs conforming the contractual requirements and applicable codes. Participated in project’s design review.
* Managed and monitored design changes as related to the original scope. Oversaw electrical team man hours and schedule of electrical deliverables. Reviewed hazardous area classification drawings for the proper selection of electrical equipment with respect to applicable code and assessed all drawings prior to release to ensure complete and in compliance with project instructions, client requirements, applicable codes, standards, and specifications.

**Project Highlights:**

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| **Project Title** | **Client/Location** | **Project Value &Type** |
| BP Abo Qir Mud Plant | Bp- Egypt | $10M USD Onshore Brown Field |
| Kemya Benzene Mitigation Unit | Sabic/Exxon Mobile-KSA | $250M Onshore Green Field |

**Enppi**, • Cairo, Egypt • Dec 1997- Oct 2007

**Senior Electrical Engineer**

* Designed all detailed drawings of: cabling activities, including cable routing layouts, cable sections and road crossing details, electrical power cable block diagrams and relevant power installation details; lighting activities., including lighting layouts, lighting distribution schedules, lighting block diagrams, lighting elevation drawings and relevant

lighting installation details; earthing activities, including earthing layouts, lightning protection layouts and relevant earthing installation details; low- and high- voltage switchgears substations, including substation equipment layouts, substation cable routing drawings, substation cable routing details and substation elevation drawings; and one-line diagrams, including key one line diagrams, elementary one line diagrams for low- and high-voltage switchgears. and detailed protection/metering one line diagrams.

* Prepared electrical power system calculations, including load analysis, short circuit, cables sizing, lighting, earthing, generator sizing and power factor improvement calculations. Analyzed power system network using ETAP software.
* Designed hazardous area classification drawings for proper selection of electrical equipment. Prepared material requisition either for main equipment or electrical bulk materials, including preparation of specifications, data sheets, supplier document requirements, minimum quality surveillances and application sheets. Participated in evaluation of received bids.
* Prepared technical evaluation reports and material requisition for purchase. Assisted in cycle of vendor prints review. Inspected and tested electrical equipment. Served as construction supervision for electrical systems installations at site. Assisted in commissioning and start-up of electrical systems at site. Prepared man-hour estimate and scope of work for proposals stage

**Project Highlights:**

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| **Project Title** | **Client/Location** | **Project Value &Type** |
| * UGDC Cold box Shutdown | UGDC/BG/ENI - Egypt | - Onshore Brown Field |
| * Gupco Rehabilitation Project | Gupco /Bp- Egypt | 700 Million Us$ Offshore Brown Field |
| * Sapphire Export Pipeline | BURULLUS/BG- Egypt | 30 Million US$ Onshore Green Field |
| * Sapphire Development Project | BURULLUS/BG- Egypt | 300 Million Us$ Onshore Green Field |
| * Simian /Sienna Development | BURULLUS/BG- Egypt | 200 Million US$ Onshore Brown Field |
| * Deep Marine, Scarab / Safaron | BURULLUS/BG/bechtel- Egypt | 600 Million Us$ Onshore Green Field |

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| **Professional Experience Continued – Eyad Kadour, CV Page 4** |

**Enppi**, • Cairo, Egypt • Dec 1997- Oct 2007

**Senior Electrical Engineer**

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| * Obaiyed Shutdown 2002 Project | BAPETCO /SHELL- Egypt | 1 Million US$ -Onshore Brown Field |
| * PPC Lightning Protection System | pPC- Egypt | 1 Million US$ -Onshore Brown Field |
| * Enppi Housing Complex | Enppi- Egypt | 4 Million Us$ -Residential |
| * APRC Lightning Protection System | aPrC- Egypt | 1 Million US$ -Onshore Brown Field |
| * APRC 6.6 KV Main S/S Modernization | aPrC- Egypt | 3 Million US$ -Onshore Brown Field |
| * Ras Bakr Crude Treatment Plant | gpc- Egypt | 90 Million US$ Onshore Green Field |
| * Western Desert Gas Complex | gasco- Egypt | 250 Million US$ Onshore Green Field |
| * Petrobeach Tourist Village | egpc- Egypt | 8 Million Us$ -Residential |
| * Meleiha Field Up-Grading | AGIBA/ENI- Egypt | 70 Million US$ Onshore Brown Field |
| * EGPC Trunking System | egpc- Egypt | -Residential |

**Key Accomplishments:**

* **UGDC Cold box Shutdown Project:** Successfully reduced shutdown period from 11 days to 72 hours, achieving $1M USD bonus.
* **Gupco Rehabilitation Project:** Optimized electrical system reassessments and design at Badri Platform and successfully completed project six weeks ahead of schedule, achieving early mechanical completion bonus.
* **Simian/Sienna Development Project:** Successfully reduced shutdown period from 7 days to 48 hours, achieving early mechanical completion bonus.

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| **Education & Training** |

**Bachelor of Science, Electrical Power & Machines**

cairo University | Cairo, Egypt | 1996

**Additional Training**

Advanced SCADA Systems, CompuTronix

Advanced PLC, CompuTronix

Lightening Protection, Pan Egypt

Analysis of Power System Network Using ETAP, Raydata

Material Management & Warehouse Techniques, AUC

In-House English Courses, ENPPI

UPS, Chloride

Overview of Mechanical Engineering for Non Mechanical Engineers, ENPPI

Overview of Process Engineering for Non-Process Engineers, ENPPI

HSE Laws, Legal & Other Requirements for Electrical, ENPPI

Microsoft Office Excel/Word, ENPPI

Internal Electronic Mail (EMAIL), ENPPI