



HASSAN ESSAMELDIN HASSAN

Sr. Electrical Engineer

ABOUT ME

DEDICATED AND ENTHUSIASTIC PROJECT DEVELOPMENT ELECTRICAL ENGINEER WITH A PROVEN TRACK RECORD IN IDENTIFYING AND CULTIVATING BUSINESS PROSPECTS. SKILLED IN COLLABORATING WITH INTERNAL TEAMS, EXTERNAL PARTNERS, AND INDUSTRY EXPERTS TO PROPOSE CUTTING-EDGE SOLUTIONS, FORGE STRATEGIC ALLIANCES, AND SPEARHEAD INITIATIVES THAT ADVANCE SUSTAINABILITY GOALS. PROFICIENT IN PROJECT MANAGEMENT, FINANCIAL ANALYSIS, AND NAVIGATING GOVERNMENTAL PROTOCOLS, POISED TO ENHANCE TEAM ACHIEVEMENTS THROUGH DILIGENCE AND EXCEPTIONAL ORGANIZATIONAL ACUMEN. EAGER TO EXPAND KNOWLEDGE, GROW PROFESSIONALLY, AND EXCEL WITHIN THE SPECIALIZED FIELD.

CURRENTLY SERVING AS A TECHNICAL STUDIES ENGINEER IN THE TECHNICAL OFFICE OF THE MINISTRY OF ELECTRICITY AND RENEWABLE ENERGY, MY RESPONSIBILITIES SPAN A WIDE RANGE OF TASKS. THESE INCLUDE ANALYZING DATA, COMPILING REPORTS ON ENERGY AND ENVIRONMENTAL ISSUES, AND CRAFTING MEDIA BRIEFS ON ENERGY-RELATED MATTERS.

ADDITIONALLY, I LIAISE WITH VARIOUS EGYPTIAN MINISTRIES AND GLOBAL ENTITIES LIKE THE WORLD ENERGY COUNCIL (WEC) AND THE INTERNATIONAL ENERGY AGENCY (IEA). ACTIVELY ENGAGED IN CONSTRUCTIVE DIALOGUES AND NEGOTIATIONS WITH DIVERSE PARTNERS, I ALSO PREPARE COMPREHENSIVE REPORTS ON PROJECTS OPERATIONAL STATUSES WITHIN THE ELECTRICITY AND RENEWABLE ENERGY SECTOR.

COLLABORATING WITH AFRICAN COUNTERPARTS SUCH AS THE AFRICAN UNION AND THE NEW PARTNERSHIP FOR AFRICA'S DEVELOPMENT HAS ENRICHED MY UNDERSTANDING OF PUBLIC ADMINISTRATION. FURTHERMORE, REPRESENTING THE ELECTRICITY AND RENEWABLE ENERGY SECTOR IN CONFERENCES AND MINISTERIAL ASSEMBLIES HAS BROADENED MY EXPERTISE AND NETWORK .

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📍 Obour City, Qalyubia Governorate, Egypt

Skills

Engineering support
Analytical and Strategic Thinking
Project Management
Communication Skills,
Customer Relationship Management
Technical Knowledge
Software Skills
Teamwork and Collaboration, Adaptability and Flexibility

Languages

Arabic
English

EDUCATION

2003 - 2008	BACHELOR OF SCIENCE: ELECTRICAL ENGINEERING AL AZHAR UNIVERSITY
2016 - 2018	MASTER OF PUBLIC ADMINISTRATION - ARAB ACADEMY FOR SCIENCE, TECHNOLOGY AND MARITIME TRANSPORT
2022 UNDER CONSIDERATION	PHD IN TECHNIQUES AND EXTRACTION OF GREEN HYDROGEN FROM RENEWABLE ENERGIES, FACULTY OF ENVIRONMENTAL STUDIES AND RESEARCH, AIN SHAMS UNIVERSITY

WORK EXPERIENCE

MINISTRY OF ELECTRICITY AND RENEWABLE ENERGY

2012- TILL NOW	<p>THROUGH MY WORK AS DIRECTOR OF THE TECHNICAL FOLLOW-UP DEPARTMENT IN THE TECHNICAL OFFICE OF THE MINISTER OF ELECTRICITY AND RENEWABLE ENERGY, I PERFORM MANY TASKS, MOST NOTABLY:</p> <ul style="list-style-type: none">• WORKING AS A LINK BETWEEN THE TECHNICAL OFFICE AND ALL ENTITIES AFFILIATED WITH THE ELECTRICITY AND RENEWABLE ENERGY SECTOR, AS WELL AS ALL MINISTRIES AND GOVERNMENT AGENCIES IN THE ARAB REPUBLIC OF EGYPT.• PREPARING TECHNICAL REPORTS RELATED TO ELECTRICITY AND ENERGY PROJECTS BEFORE PRESENTING THEM TO DECISION MAKERS.• DRAFTING SOME PAPERS ON ENVIRONMENTAL ISSUES RELATED TO THE ELECTRICITY SECTOR (IMPACTS, SOCIAL ACCEPTANCE, SUSTAINABILITY, ETC.).• ASSESS ECONOMIC ISSUES AND TRENDS IN THE ENERGY SECTOR, ANALYZE DATA AND PROVIDE ADVICE ON THE EFFECTIVENESS OF CURRENT POLICIES.• CONTRIBUTING TO THE FORMULATION OF ANNUAL REPORTS ON THE ELECTRICITY AND RENEWABLE ENERGY SECTOR.• PARTICIPATE IN PREPARING PRESENTATIONS ON THE ACHIEVEMENTS OF THE ELECTRICITY AND RENEWABLE ENERGY SECTOR, WHICH ARE PRESENTED IN ALL FORUMS AT THE LOCAL, REGIONAL AND INTERNATIONAL LEVELS.• ACTING AS A POINT OF CONTACT WITH AFRICAN ORGANIZATIONS SUCH AS THE AFRICAN UNION - NEPAD, IN ADDITION TO INTERNATIONAL ORGANIZATIONS, THE WORLD BANK, THE INTERNATIONAL FINANCE CORPORATION (IFC), THE EUROPEAN BANK FOR RECONSTRUCTION AND DEVELOPMENT (EBRD), AND THE EUROPEAN BANK FOR DEVELOPMENT AND COOPERATION. INVESTMENT BANK (EIB), JAPAN INTERNATIONAL COOPERATION AUTHORITY (JICA), AND AGENCE FRANÇAISE DE DÉVELOPPEMENT (AFD). ,.....".• REPRESENTING THE ELECTRICITY AND RENEWABLE ENERGY SECTOR IN EGYPT ON THE INTERNATIONAL SCENE.
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WORK EXPERIENCE

WEST DELTA ELECTRICITY PRODUCTION COMPANY - SIDI KRIR COMBINED POWER STATION

2009- 2012 **BY WORKING IN MY POSITION AS AN OPERATION AND MAINTENANCE ENGINEER, I HAVE PERFORMED MANY TASKS, MOST NOTABLY:**

- PARTICIPATION IN ALL TESTS AND INSTALLATION OF THE SIDI KRIR STATION INSTALLED WITH FOREIGN AND LOCAL COMPANIES, AS WELL AS ALL OPERATIONS RELATED TO ELECTRICAL INSTALLATIONS.
- START UP 2 GAS STATIONS AND 1 STEAM STATION AND CONNECT THEM TO THE NATIONAL ELECTRICITY GRID.
- MAINTENANCE AND INSTALLATION OF ALL DIESEL GENERATORS OF DIFFERENT CAPACITIES AND VOLTAGES.
- PARTICIPATION IN ALL MANEUVERS THAT WERE CARRIED OUT ON TRANSMISSION LINES WITH VOLTAGES OF "500 OR 220 KILOVOLTS", WHETHER FOR PERIODIC MAINTENANCE OR ANY OTHER REQUIREMENTS.
- COORDINATING MAINTENANCE PROGRAMS FOR ALL COMPONENTS OF THE STATION, INCLUDING GENERATORS, TRANSFORMERS, AND HIGH-VOLTAGE CABLES, IN ADDITION TO STUDYING LOAD FLOW AND EXPECTATIONS TO MEET FUTURE EXPANSIONS.

Certifications

2024	REPRESENTING THE MINISTRY OF ELECTRICITY AND RENEWABLE ENERGY AT THE CLIMATE CHANGE CONFERENCE (COP27) IN THE UNITED ARAB EMIRATES.
2018	CERTIFIED TRAINING COURSE (CLEAN ENERGY APPLICATION TECHNOLOGY FOR DEVELOPING COUNTRIES), BY MINISTRY OF COMMERCE OF THE PEOPLE'S REPUBLIC OF CHINA
2016	TRAINING ABOUT COAL POWER PLANTS IN JAPAN AND INDONESIA BYJAPAN INTERNATIONAL COOPERATION AUTHORITY (JICA)
2014	CERTIFIED TRAINING COURSE (SOLAR ENERGY), BY MINISTRY OF COMMERCE OF THE PEOPLE'S REPUBLIC OF CHINA

Certifications

2009 - 2012

DURING MY WORK AT THE SIDI KRIR POWER STATION, WHICH IS AFFILIATED WITH THE WEST DELTA ELECTRICITY PRODUCTION COMPANY

TRAINING COURSES

- OPERATION AND MAINTENANCE OF COMBINED CYCLE STATIONS (SIDI KRIR) POWER STATION WITH MITSUBISHI AND ANSADO)
- BASIC OPERATION TRAINING OF GAS TURBINE(MITSUBISHI)
- GENERATOR CONTROL AND EXCITATION TRAINING WITH MITSUBISHI.
- GENERAL MAINTENANCE FOR MV SWITCH GEARS [6.3 KV] TRAINING WITH SCHNEIDER- ELECTRIC.