

**Salem Mahmoud Salem Elkhodary**  
الأستاذ الدكتور مهندس / سالم محمود سالم الخضرى

**Dean of Faculty of Engineering  
Nahda University  
Beni Suief  
Egypt**

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**PERSONAL**

Married  
Egyptian Canadian Citizenship

**EDUCATION**

<b>Ph.D in Electrical Engineering (Power)</b> - University Of Windsor, Canada	1990-1995
<b>M.Sc in Electrical Engineering (Power)</b> - Ain Shams University, Cairo, Egypt	1985-1988
<b>B.Sc in Electrical Engineering (Power) (Honors)</b> - Ain Shams University	1979-1984

**EMPLOYMENT**

**ACADEMIC**

<b>Dean of Engineering</b> Faculty of Engineering, Nahda University, Beni Suief, Egypt	<b>09/2018-Present</b>
<b>Member of The Board of Directors of Al Nahda University</b>	<b>09/2018-Present</b>
<b>Member of The Board of Directors of the EGYPTIAN ELECTRICITY TRANSMISSION COMPANY</b>	<b>01/2019-Present</b>
<b>Professor</b> Electrical Power Engineering & Machines Department Faculty of Engineering, Ain Shams University, Cairo, Egypt	<b>2010-8/2018</b>
<b>Director of the Consultation Center</b> Electrical Power Engineering & Machines Department Faculty of Engineering, Ain Shams University	<b>2009-2014</b>
<b>Member of The Board of Directors of the Faculty of Engineering</b>	<b>2011- 2012</b>
<b>Associate Professor</b> Electrical Power Engineering & Machines Department Faculty of Engineering, Ain Shams University	<b>2004-2010</b>
<b>Assistant Professor</b> Electrical Power Engineering & Machines Department Faculty of Engineering, Ain Shams University	<b>1995-2004</b>
<b>Teaching &amp; Research Assistant</b> Electrical Engineering Department University of Windsor, Canada	<b>1990-1995</b>

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### **Assistant Lecturer & Teaching Assistant**

**1984-1989**

Electrical Power Engineering & Machines Department  
Faculty of Engineering, Ain Shams University

### **COURSES TAUGHT**

**1984-Present**

- Electrical Power Engineering Analysis and Design, including :
  - Electrical power transmission and distribution networks
  - Electromagnetic field calculations and measurements (under transmission lines and electrical equipment)
  - Electrical measurements and instrumentation
  - Data communication networks
  - Power stations, and transformers
  - Energy conservation & environmental aspects
  - Distributed energy resources, renewable energy
  - Analysis and design of electrical power systems
  - Power system analysis
  - Power system stability
  - High voltage engineering
  - Automatic control, DSC, PLC and robotics of industrial machining
  - Computer modeling and charge simulation analysis of Gas Insulated Systems
  - Project Management.

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### **INDUSTRIAL**

#### **SITE ENGINEER, EGYPT**

**1985 To 1990 & 1996 - PRESENT**

Responsibilities: Design, execution, and supervision on the whole electrical projects.

#### **DESIGN AND CONSULTANCY**

**PARTICIPATED IN THE FOLLOWING PROJECTS:**

**1985 To 1989 & 1996 – PRESENT**

**Consultant Engineer For The Following Companies & Institutions :**

- 1. MEMBER OF THE ENERGY TECHNICAL COMMITTEE ACCORDING TO THE PRESIDENTIAL DECREE No. 18451/2021, REPRESENTING THE MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE No. 1604/2021, TO STUDY THE ELECTRICAL POWER INFRASTRUCTURE COMPONENTS' INDUSTRY IN EGYPT. (Nov. 2021 - Present)**
- 2. MEMBER OF THE BOARD OF DIRECTORS OF THE EGYPTIAN ELECTRICITY TRANSMISSION COMPANY, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE No. 12/2019. (Jan. 2019 - Present)**
- 3. MEMBER OF THE PERMANENT COMMITTEE FOR APPOINTING THE LEADERS OF THE EGYPTIAN ELECTRICITY TRANSMISSION COMPANY. (Jan. 2019 - Present)**
- 4. MEMBER OF THE PERMANENT GRID CODE COMMITTEE FOR THE ELECTRICAL TRANSMISSION NETWORK – THIS COMMITTEE BELONGS TO THE MINISTRY OF ELECTRICITY & RENEWABLES. (Feb. 2019 - Present)**
- 5. MEMBER OF THE HIGHER CONSULT COMMITTEE OF AIN SHAMS UNIVERSITY TO SUPERVISE AND FOLLOW UP OF ALL THE NATIONAL PROJECTS AND THE MEDICAL CITY IN EGYPT. (June. 2021 - Present)**
- 6. MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS AN ELECTROMECHANICAL CONSULTANT FOR THE INSPECTION AND DESIGN OF ALL THE ELECTROMECHANICAL AND COMMUNICATION WORK NEEDED FOR THE NEW NATIONAL UNIVERSITIES (ELGALALA UNIVERSITY, BIN SALMAN UNIVERSITY, ALALAMEAN UNIVERSITY). (Jan. 2020 - Present)**
- 7. MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS AN ELECTROMECHANICAL CONSULTANT FOR THE INSPECTION AND DESIGN OF ALL THE ELECTROMECHANICAL AND COMMUNICATION WORK NEEDED FOR THE EGYPTIAN CULTURAL OFFICE BUILDING IN WASHINGTON - USA. ACCORDING TO THE MINISTER OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE No. 2298/2018. (June 2018 - Present)**

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8. **MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS AN ELECTROMECHANICAL CONSULTANT FOR THE INSPECTION AND DESIGN OF ALL THE ELECTROMECHANICAL AND COMMUNICATION WORK NEEDED FOR THE EGYPTIAN CULTURAL OFFICE BUILDING IN ROMA – ITALY. ACCORDING TO THE MINISTER OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE No. 2298/2018.** (June 2018 - Present)
9. **MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS AN ELECTROMECHANICAL CONSULTANT FOR THE INSPECTION AND DESIGN OF ALL THE ELECTROMECHANICAL AND COMMUNICATION WORK NEEDED FOR THE EGYPTIAN HOME” BUILDING IN THE INTERNATIONAL UNIVERSITY CITY IN PARIS – FRANCE. THE PROPOSED BUDGET OF THIS PROJECT IS 107 340 600 EUROS.** (March 2018 - Present)
10. **HEAD OF THE BOARD OF DIRECTORS OF THE FACULTY OF ENGINEERING OF NAHDA UNIVERSITY.** (Sept. 2018 - Present)
11. **MEMBER OF THE BOARD OF DIRECTORS OF NAHDA UNIVERSITY.** (Sept. 2018 - Present)
12. **MEMBER OF THE TECHNICAL COMMITTEE AS AN ELECTRICAL CONSULTANT FOR ALL THE NATIONAL PROJECTS BELONGS TO THE MINISTER OF HIGHER EDUCATION AND RESEARCHES.** (May 2018 - Present)
13. **MEMBER OF THE TECHNICAL COMMITTEE FOR CURRICULUM OUTLINES AND EDUCATIONAL PROGRAMS FOR THE FACULTIES OF ENGINEERING AND THE FACULTIES OF TECHNOLOGY AT THE UNIVERSITY OF KING SALMAN, THE UNIVERSITY OF AL GALALA, THE INTERNATIONAL UNIVERSITY OF AL MANSOURA, THE INTERNATIONAL UNIVERSITY OF EL ALAMEIN. THIS COMMITTEE BELONGS TO THE NATIONAL PROJECTS FOR CONSTRUCTING THE UNIVERSITIES AND EDUCATIONAL & RESEARCH INSTITUTES, WHICH BELONGS TO THE MINISTER OF HIGHER EDUCATION AND RESEARCHES.** (May 2018 - Present)
14. **EGYPT REPRESENTATIVE OF THE NATIONAL COMMITTEE OF THE UNESCO, IN THE REGIONAL WORKSHOP ON WORK-BASED LEARNING IN ARAB REGION: RECENT DEVELOPMENTS AND NEW CHALLENGES - AT THE UNESCO OFFICE IN BEIRUT, LEBANON.** (May 2018)
15. **THE ELECTRICAL CONSULTANT FOR THE CONSTRUCTION OF THE MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES’ BUILDING AT NASR CITY (ELECTRONIC LIBRARY, CONFERENCE ROOM, PRESENTATION ROOM, AND LANGUAGE LABORATORY).**(April 2018-Present)
16. **MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS AN ELECTROMECHANICAL FOR THE INSPECTION AND DESIGN OF ALL THE ELECTROMECHANICAL AND COMMUNICATION WORK NEEDED FOR THE EGYPTIAN CULTURAL OFFICE BUILDING IN WASHINGTON – USA, ACCORDING TO THE MINISTER OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE NO. 2298/2018.** (June 2018 - Present)
17. **MEMBER OF THE MINISTERIAL COMMITTEE FOR THE RENOVATION OF THE EGYPTIAN JAPANESE TREATY FOR THE EGYPTIAN JAPANESE UNIVERSITY FOR SCIENCE AND TECHNOLOGY, ACCORDING TO THE MINISTER OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE No. 2301/2018.** (June 2018 - Present)
18. **MEMBER OF THE PRIM-MINISTER COMMITTEE IN CHARGE OF THE INVESTIGATION OF THE TECHNICAL PROBLEMS OCCURRED IN NEW CAIRO DUE TO THE HEAVY RAIN OCCURRED ON 24/04/2018, EGYPT, ACCORDING TO THE PRIM-MINISTER DECREE No. 802/2018.** (April 2018 – Sept. 2018)
19. **MEMBER OF THE MINISTERIAL COMMITTEE IN CHARGE OF THE INVESTIGATION OF THE POWER CUT OFF IN NEW CAIRO DUE TO THE HEAVY RAIN OCCURRED ON 24/04/2018, EGYPT, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE No. 111/2018.** (April 2018 - Present)
20. **MEMBER OF THE MINISTERIAL COMMITTEE FOR THE INVESTIGATION OF FIRE ACCIDENT IN A TRANSFORMER 220/66/11 kV IN GOVERNORATE OF SHARKIA, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE No. 112/2018.** (May 2018 – Aug. 2018)
21. **MEMBER OF THE PERMANENT COMMITTEE FOR APPOINTING THE LEADERS OF THE GENERAL AUTHORITY FOR CONSTRUCTION & HOUSING COOPERATIVES, WHICH BELONGS TO THE MINISTRY OF HOUSING & URBAN DEVELOPMENT.** (Aug. 2017 - Present)
22. **CONSULTANT FOR THE DESIGN OF ELECTROMECHANICAL WORK FOR SHEBEIN ELKOM HOSPITAL – THE HOSPITAL BELONGS TO THE MINISTRY OF HEALTH. THE WORK IN THIS HOSPITAL INCLUDES THE ELECTRICAL, AND LIGHT CURRENT NETWORK AND INFRASTRUCTURE.** (October 2017 - Present)

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- 23. CONSULTANT FOR THE DESIGN OF ELECTROMECHANICAL WORK FOR THE CITY OF AHALYNA (70 FEDDANS) - AHALINA CITY PROPOSED BY THE PRESIDENT OF EGYPT, SUPERVISED BY THE ENGINEERING ADMINISTRATION FOR THE NATIONAL SERVICE INSTITUTION WHICH BELONG TO THE MINISTRY OF DEFENCE. THE WORK IN THIS CITY INCLUDES THE ELECTRICAL NETWORK AND INFRASTRUCTURE, AND WATER & WASTEWATER PLANTS AND INFRASTRUCTURE.**  
(March 2017 – Dec. 2018)
- 24. CONSULTANT REVIEWER FOR THE DESIGN OF ELECTROMECHANICAL WORK FOR THE CITY OF LOA-LOAT NEW CAIRO (143 FEDDANS). THE WORK IN THIS CITY INCLUDES THE ELECTRICAL NETWORK AND INFRASTRUCTURE, AND WATER & WASTEWATER PLANTS AND INFRASTRUCTURE.**  
(May 2017 - Present)
- 25. CONSULTANT REVIEWER FOR THE DESIGN OF ELECTROMECHANICAL WORK FOR THE CITY OF LOA-LOAT THE SIXTH OF OCTOBER CITY (96 FEDDANS). THE WORK IN THIS CITY INCLUDES THE ELECTRICAL NETWORK AND INFRASTRUCTURE, AND WATER & WASTEWATER PLANTS AND INFRASTRUCTURE.**  
(Sept. 2017 - Present)
- 26. CONSULTANT FOR THE DESIGN OF ELECTROMECHANICAL WORK FOR THE CITY OF ZIZENIZ ALMOSTAKBAL (79 FEDDANS). THE WORK IN THIS CITY INCLUDES THE ELECTRICAL NETWORK AND INFRASTRUCTURE, WATER & WASTEWATER PLANTS.**  
(Jan. 2017 – Aug. 2019)
- 27. REVIEWER FOR THE DESIGN AND IMPLEMENTATION OF THE ELECTROMECHANICAL WORK FOR LONG BEACH COMPOUND IN EL SOKHNA CITY. THE WORK INCLUDES THE ELECTRICAL NETWORK AND INFRASTRUCTURE, AND WATER & WASTEWATER PLANTS AND INFRASTRUCTURE. THE COMPOUND BELONG TO THE EGYPTIAN ARAB LAND BANK.**  
(July – Dec. 2017)
- 28. MEMBER OF THE MINISTERIAL COMMITTEE FOR THE INVESTIGATION OF FIRE ACCIDENT IN A TRANSFORMER 220/66/11 kV IN SANDOUB, GOVERNORATE OF MANSOURA, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE NO. 268/2017.**  
(June – Oct. 2017)
- 29. MEMBER OF THE MINISTERIAL COMMITTEE IN CHARGE OF THE TECHNICAL STUDIES FOR RENEWABLE ENERGY IN EGYPT, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE NO. 176/2017.**  
(April 2017 - Present)
- 30. BOARD MEMBER OF THE GENERAL ASSEMBLY OF THE DRINKING WATER COMPANY IN GREATER CAIRO.**  
(April 2017 - Present)
- 31. JUDGE SERVICE MANAGEMENT EXPERT FOR ABU DHABI EXCELLENCY AWARD IN GOVERNMENT PERFORMANCE FOR AUDITING ABU DHABI ELECTRICAL SECTOR (ABU DHABI WATER AND ELECTRICITY AUTHORITY ADWEA, ABU DHABI WATER AND ELECTRICITY COMPANY ADWEC, ABU DHABI TRANSMISSION & CONTROL COMPANY TRANSCO, ABU DHABI DISTRIBUTION COMPANY ADDC, AL AIN DISTRIBUTION COMPANY AADC).**  
(APRIL - May 2017)
- 32. MEMBER OF THE MINISTERIAL COMMITTEE IN CHARGE OF THE TECHNICAL STUDIES FOR RENEWABLE ENERGY IN EGYPT, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE NO. 176/2017.**  
(Jan 2017 - Present)
- 33. ELECTRICAL QUALITY CHECK CONSULTANT FOR 150 kW SOLAR STATION AT THE PETROLEUM PIPES COMPANY.**  
(JAN. – AUG. 2017)
- 34. ELECTRICAL CONSULTANT FOR THE STUDY OF THE DEVELOPMENT PASSAGE PROPOSED BY DR. FAROUK ELBAZ, THIS STUDY UNDER THE SUPERVISION OF THE COMMERCIAL RESEARCH & STUDIES CENTRE, FACULTY OF COMMERCE, CAIRO UNIVERSITY.**  
(Dec.2016 – Present)
- 35. THE ELECTROMECHANICAL CONSULTANT FOR AIR LIQUIDE FACTORY, THE FACTORY BELONGS TO AIR LIQUIDE ENGINEERING & CONSTRUCTION COMPANY IN FRANCE, THE MAIN CONSULTANT IS BENAA CONSULTANCY GROUP. THE PROJECT WAS FOR ALL ELECTROMECHANICAL WORKS. THE PROJECT WORTH ABOUT 45 MILLION L.E.**  
(May 2016- Jan. 2017)
- 36. Member of the Ministerial Technical Committee FOR THE INVESTIGATION OF ABU KEIR POWER STATION ACCIDENT ON 12/01/2016 – THE COMMITTEE WAS ASSIGNED FROM THE MINISTRY OF ELECTRICITY & RENEWABLE ENERGY.**  
(Jan.2016)
- 37. TEAM LEADER OF THE REVIEW AND EVALUATION OF THE QUALITY OF EDUCATION FOR THE TECHNICAL ENGINEERING AND APPLIED ARTS INSTITUTES WHICH BELONGS TO THE MINISTRY OF HIGHER EDUCATION AND RESEARCHES.**  
(JAN. 2016- PRESENT)
- 38. TEAM LEADER OF THE GOVERNMENTAL COMMITTEE FOR THE INVESTIGATION OF FIRE ACCIDENT IN CAIRO INTERNATIONAL CONFERENCE CENTRE, WHICH BELONGS TO THE MINISTRY OF INDUSTRY. THE LOSS OF THIS FIRE COST ABOUT 740 MILLION L.E.**  
(Mar. - Dec.2015)

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- 39. CONSULTANT FOR THE NEW CITY OF ATFIEH IN COOPERATION WITH THE SPANISH GROUP “ESSENTIAL BUILDING GROUP” & GENERAL AUTHORITY FOR CONSTRUCTION & HOUSING COOPERATIVES. THE ESSENTIAL BUILDING GROUP PROPOSING TO FEED THE PROJECT (THE CITY) THROUGH 1000 MW SOLAR (PV) POWER STATION. THE PRE-FEASIBILITY STUDY FOR THIS PROJECT IS ABOUT 1.1 BILLION EUROS. (Nov.2015-Dec. 2016)**
- 40. THE ELECTRICAL CONSULTANT FOR THE DISCUSSION WITH THE CHINESE COMPANY FOR THE DEVELOPMENT OF ONE MILLION ACERS. THE DEVELOPMENT BY THE USE OF RENEWABLE ENERGY AND EXTENSION OF NEW TRANSMISSION LINES. (JUNE 2015 – MAY 2016)**
- 41. TEAM LEADER & ELECTRICAL CONSULTANT FOR “ENERGY EFFICIENCY IN THE WATER SUPPLY AND SANITATION SECTOR (EWS) PROJECT”, PROJECT NO. 201066380, THE PROJECT BELONGS TO THE GERMAN FINANCIAL COOPERATION (VIA KFW DEVELOPMENT BANK). (SEPT. 2014 – AUG. 2015)**
- 42. TEAM LEADER & ELECTRICAL CONSULTANT OF THE MINISTERIAL COMMITTEE FOR STUDYING THE PROBLEMS IN THE WATER AND WASTE WATER PLANTS – THIS COMMITTEE BELONGS TO THE MINISTRY OF HOUSING, UTILITIES AND URBAN DEVELOPMENT. (JAN. 2014 – AUG. 2015)**
- 43. THE CONSULTANT FOR THE GENERAL AUTHORITY FOR CONSTRUCTION & HOUSING COOPERATIVES, WHICH BELONG TO THE MINISTRY OF HOUSING & URBAN DEVELOPMENT. THE BUDGET FOR THE GENERAL AUTHORITY IS ABOUT 4 BILLION L.E. (Dec. 2014- Present)**
- 44. Trainer and instructor FOR ENGINEERS FROM OMAN TRANSMISSION COMPANY & ENGINEERS FROM SAUDI ELECTRICITY COMPANY ON THE EUROPEAN ELECTRICAL REGULATIONS AND THE ELECTRICAL LOAD FORECAST AND STRATEGIC PLANNING METHODOLOGIES IN SPAIN, (Nov.– Dec. 2014)**
- 45. MEMBER OF THE MINISTERIAL TECHNICAL COMMITTEE AS ELECTRICAL CONSULTANT FOR THE INVESTIGATION OF THE PARTIAL BLACKOUT THAT HITS EGYPT ON 04/09/2014 – THE COMMITTEE WAS ASSIGNED FROM THE PRESIDENT OF THE ARAB REPUBLIC OF EGYPT - THIS COMMITTEE BELONGS TO THE MINISTRY OF ELECTRICITY & RENEWABLE ENERGY. (SEPT. – OCT. 2014)**
- 46. New Building for Faculty of Commerce, AIN SHAMS UNIVERSITY, CAIRO, EGYPT. THIS PROJECT IS THE DESIGN, “THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE BUILDING (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE). (Jul. 2014 - Mar. 2016)**
- 47. THE CONSULTANT FOR THE ARAB CONTRACTORS COMPANY (2014- PRESENT)**
- 48. New Building for Faculty of Engineering, AIN SHAMS UNIVERSITY, CAIRO, EGYPT. THIS PROJECT IS THE DESIGN, “THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE BUILDING (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE). (Jan. 2013- Jan.2014)**
- 49. AIN SHAMS UNIVERSITY SITE INFRASTRUCTURE DESIGN PROJECT – FOR AL OBOR BRANCH. THE MEDIUM, AND LOW POWER CABLE NETWORK & TELECOMMUNICATION INFRA-STRUCTURE).**
- 50. Two New Playgrounds for Faculty of Engineering, AIN SHAMS UNIVERSITY, CAIRO, EGYPT. THIS PROJECT IS THE DESIGN, “THE CALCULATION OF THE PROPER ILLUMINATION LEVEL (LUX), AND THE ELECTRICAL WORK FOR THE PLAYGROUNDS INFRASTRUCTURE AND THE LIGHTING TOWERS. (Sep.-Dec.2013)**
- 51. New Theater Building for Faculty of ARTS, AIN SHAMS UNIVERSITY, CAIRO, EGYPT. THIS PROJECT IS THE DESIGN, “THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE BUILDING (INCLUDING THE THEATER LIGHTING, SOUND, FIRE ALARM, ELECTRICAL INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE). (2013- 2017)**
- 52. MEMBER OF THE PERMANENT CODE COMMITTEE FOR WATER AND WASTE WATER PLANTS – THIS COMMITTEE BELONGS TO THE MINISTRY OF HOUSING, UTILITIES AND URBAN DEVELOPMENT. (2012- 2016)**
- 53. The National Library and Archives of Egypt, GOVERNMENT, CAIRO, EGYPT, “THE SUPPLY OF THE MAIN AIR CONDITIONING CHILLERS WITH ELECTRICAL POWER FROM THE MAIN POWER STATION”, INCLUDING THE ELECTRICAL LOW & MEDIUM VOLTAGE AND THE MAIN POWER STATION’S TRANSFORMER BALANCE CALCULATION LEVELS. (Aug. 2011 – Dec. 2012)**
- 54. CONSULTANT AND APPROVED TRAINER FOR THE ABU DHABI ELECTRICITY & WATER COMPANY ADEW, UNITED ARAB EMIRATES. (2010 - PRESENT)**

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55. **CONSULTANT AND APPROVED TRAINER FOR THE ABU DHABI GAS INDUSTRIES LTD. GASCO, UNITED ARAB EMIRATES.** (2011 - PRESENT)
56. **CONSULTANT AND APPROVED TRAINER FOR THE QATAR ELECTRICAL & WATER COMPANY, STATE OF QATAR.** (2010 - PRESENT)
57. **CONSULTANT AND APPROVED TRAINER FOR THE QATAR PETROLEUM COMPANY, STATE OF QATAR.** (2011 - PRESENT)
58. **CONSULTANT AND APPROVED TRAINER FOR THE MAGAN ELECTRICITY COMPANY, OMAN ELECTRICITY NETWORK, SULTANATE OF OMAN.** (2011 - PRESENT)
59. **CONSULTANT AND APPROVED TRAINER FOR THE PETROLEUM DEVELOPMENT OMAN POD, SULTANATE OF OMAN.** (2012 - PRESENT)
60. **AFRICAN INSTITUTE OF SOUTH AFRICA FOR WRITING A BOOK IN THE INVESTIGATION OF RENEWABLE ENERGIES IN AFRICA.** (MAR. 2010 – JUNE 2011)
61. **THE GERMAN UNIVERSITY IN CAIRO GUC, EGYPT.** (2006 – 2015)
62. **KRAFT FOODS LIMITED COMPANY FOR THE NEW PROJECTS IN EGYPT.** (2010 – 2012)
63. **THE EGYPTIAN TELECOMMUNICATION COMPANY FOR MOBILE SERVICES MOBILIL.** (2010 – 2011)
64. *The Saudi ALMAMLAKA Group, IN THE KINGDOM OF SAUDI ARABIA.* (2010 – 2012)
65. **AL-MOTAWAR ENGINEERING COMPANY, DARB AL HEJRA (SEVEN RESIDENTIAL BUILDINGS), IN THE KINGDOM OF SAUDI ARABIA.** (2010 – 05/2012)
66. **The Faculty of Computer Science, Ain Shams University in Al-Obour City, CAIRO, EGYPT, *The Electrical Design Consists Of The Medium Voltage Distribution Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, CCTV, TELEPHONE, AND DATA COMMUNICATION NETWORK).*** (11/2009- PRESENT)
67. **The National Library and Archives of Egypt for the rehabilitation of the main Medium voltage substation and the whole building, *The Electrical Design Consists of The Medium Voltage Distribution Infrastructure Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS, THE HVAC SYSTEM, HOT WATER AND ALL THE ELECTROMECHANICAL WORK (INCLUDING THE ELECTRICAL (LOW & MEDIUM VOLTAGE), AND COMMUNICATION INFRA-STRUCTURE).***
68. **Domty Foods Limited Company for Cheese Products in Egypt, *The Electrical Design Consists Of The Medium Voltage Distribution Infrastructure Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, CCTV, TELEPHONE, AND DATA COMMUNICATION NETWORK), THE HVAC SYSTEM, HOT WATER AND ALL THE ELECTROMECHANICAL WORK (INCLUDING THE ELECTRICAL (LOW & MEDIUM VOLTAGE), AND COMMUNICATION INFRA-STRUCTURE).***
69. **Member of the Permanent Code Committee for Water and Waste Water Plants – THIS COMMITTEE BELONGS TO THE MINISTRY OF HOUSING, UTILITIES AND URBAN DEVELOPMENT.**
70. **Consultant of Africa Institute of South Africa, PARTICIPATE IN THE WRITING OF A BOOK IN THE FIELD OF INVESTIGATING THE RENEWABLE ENERGY IN AFRICA.**
71. **New Building for Ain Shams University in Al-Obour City. THIS PROJECT IS THE DESIGN AND IMPLEMENTATION OF THE INFRA-STRUCTURE AND OUTSIDE FENCES, AL-OBOUR CAIRO, EGYPT, “THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE UNIVERSITY CAMPUS (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE).** (Nov.2009- Present)
72. **Kraft Foods Limited Company for the New Factory Project in Egypt, *The Electrical Design Consists Of The Medium Voltage Distribution Infrastructure Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, CCTV, TELEPHONE, AND DATA COMMUNICATION NETWORK), THE HVAC SYSTEM, HOT WATER AND ALL THE ELECTROMECHANICAL WORK (INCLUDING THE ELECTRICAL (LOW & MEDIUM VOLTAGE), AND COMMUNICATION INFRA-STRUCTURE).***
73. **Ain Shams University Stadium, CAIRO, EGYPT, (Sep.2010- till present), “THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE STADIUM” (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE) & THE ILLUMINATION CALCULATION LEVEL IN THE FOOTBALL, BASKETBALL, HANDBALL, & VOLLEYBALL PLAYGROUND.**

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74. **"The Egyptian Company for Mobile Services (Mobinil)"**, IN EGYPT, *The Electrical Design Consists Of The Medium Voltage Distribution Infrastructure Network, And The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, HVAC SYSTEM),(INCLUDING THE ELECTRICAL INFRA-STRUCTUR) (LOW & MEDIUM VOLTAGE).*
75. **The Energy Consultant for the Project belongs to The USAID UNDER THE NAME OF "EGYPT WATER POLICY AND REGULATORY REFORM (WPRR) PROJECT" (EIA Environmental Impact Assessment).** CONTRACT NO. EPP-I-00-04-00020-00, TASK ORDER NO. 2. (JAN. 2009 – SEPT. 2009)
76. **Shakshouk WastWater Plant in Fauom City, Fauom, Egypt,** (May 2010- till present), **"THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE PLANT (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE).**
77. **Darb El-Hegra City"**, in **Makah, Kingdom of Saudi Arabia,** *The Electrical Design Consists Of The Medium Voltage Distribution Infrastructure Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX, AND THE DATA COMMUNICATION NETWORK),(INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE).* (JUNE 2009 – MAR. 2010)
78. **Lead Energy Expert for the Project of The European Union NAMED "Study on the Financing of Renewable Energy Investments in the Southern and Eastern Mediterranean region – (In 9 Countries (Morocco, Algeria, Tunisia, Egypt, Jordan, Palestine, Syria, and Lebanon)) (TA2009018 RO FTF)",** Project **EUROPEAID/FWC BENEFICIARIES 2009 LOT Nr 4 - EuropeAID/127054/C/SER/multi.** THE BENEFICIARY OF THE PROJECT IS THE EUROPEAN INVESTMENT BANK. (SEPT. 2009 – APR. 2010)
79. **The Energy Consultant for the project belongs to The USAID under the name of "Environmental and Social Impact Assessment Studies For The Abo Rawash Waste Water Treatment Plant (WWTP) Project and The 6th October WWTP Project".** The project is to calculate the Environmental Impact Assessment For the Abo Rawash Wwtp Project and The 6th October WWTP Project. This project subcontracted from Chemonics International, Contract No. EPP-I-00-04-00020-00.
80. **The Renovation and Development of the Ambassador House, in Arab Emirate Country (AMBASSADOR: IBRAHEIM HAFEIZ).** *The Electrical Design Consists of The Medium Voltage Distribution Network, and The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, CCTV, TELEPHONE, AND DATA COMMUNICATION. NETWORK), THE HVAC SYSTEM, HOT WATER AND ALL THE ELECTROMECHANICAL WORK.*
81. **Planner & Energy Technical Advisor for the General Organization for Urban Planning for the Project of "National Planning for the North West cost of Egypt (Ras ElHekma - Matrouh Area)",** the Project is the planning and design for the electrical and telecommunication INFRASTRUCTURE for the whole area (Ras ElHekma - Matrouh Area) medium and low voltage, **the Beneficiary of the project is the World Bank.**
82. **"The world Company for the Touristic Projects",** *The Maxim Boat in Cairo. "The Rehabilitation of the Medium & Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ACCESS CONTROL, DATA COMMUNICATION SYSTEM, IP TELEPHONE SYSTEM)".* (Feb. – May 2009)
83. **The Team Leader for the Project of "Industrial Application of Energy Efficiency in Water Cycle Management",** **the project belongs to the EUROPEAID/119860/ICISV/multi, Lot No.2: Transport and infrastructure, Request No. : 2008/1 163-217.** This project is to study the Energy Efficiency possibility in the Water and Wastewater Plants.
84. **Castle Zaman Resort in Taba, Egypt,** *"The Rehabilitation of the Medium & Low Voltage Distribution Network to modify the electrical system, to accept the designed unique off grid hybrid controller, by the use of three phase wind turbine with Poto Voltaic modules. This was done by the installation of one Three Phase, high voltage wind turbine with high quality stainless steel exterior and superior rust coating, in addition to the Photo Voltaic modules solar unit.* (Jan. – June 2009)
85. **THE DIRECTOR OF THE ELECTRICAL POWER RESEARCH AND CONSULTATION CENTRE – AIN SHAMS UNIVERSITY, CAIRO, EGYPT.** (2009 –2014)

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86. **The Sony Ericsson Maintenance Center, in Cairo**, “*The Electrical Design Consists Of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ACCESS CONTROL, DATA COMMUNICATION SYSTEM, IP TELEPHONE SYSTEM)*”. (Apr.– Dec.2008)
87. “**The Technical and Financial Evaluator for ”THE HELWAN CEMENT BAG FACTORY”**, at HELWAN CEMENT FACTORY, HELWAN, EGYPT, (Sept. - Dec. 2008)
88. **TECHNICAL AND FINANCIAL EVALUATOR FOR THE HELWAN CEMENT BAG FACTORY, HELWAN, EGYPT.** (AUG.-OCT. 2008)
89. “**The Jeddah Gate”**, Jeddah, Saudi Arabia Kingdom. “*The Electrical Design Review for The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (DATA & ELECTRONIC CENTRAL TELEPHONE NETWORK), AND THE PUMPING SYSTEM FOR THE MAIN LAKE” (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE) FOR ZOHEIR FAIZE CONSULTANCY OFFICE.* (Jun. 2008-2010)
90. **CONSULTANT ENGINEER FOR AL MOHEIDAB CONTRACTOR COMPANY FOR REVIEWING THE PROJECT OF THE JEDDAH GATE”**, JEDDAH, KINGDOM OF SAUDI ARABIA, (ZOHEIR FAIZE CONSULTANCY OFFICE). (MAY – OCT. 2008)
91. “**The Rotana Cafe”**, at the Maxim Boat in Cairo, Belongs To The Saudi **ALMAMLAKA Group** (One Of Prince Alwaleid Ben Talal Ben Saud Group). “*The Electrical Design Consists Of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ACCESS CONTROL, DATA COMMUNICATION SYSTEM, IP TELEPHONE SYSTEM)*”. (2007- 2008)
92. **The renovation of the Old Al-Berka sewage station, Cairo, Egypt”**. “*The Electrical Design Consists of The Low and Medium Voltage Distribution Network, and The Motor control center”*. (2007-2008)
93. “**The Palms Island Resort”**, Ismailia, Egypt, For **AL-RIYAD FOR TOURISM AND INVESTMENTS.** “*The Electrical Design Consists of The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX), AND THE PUMPING SYSTEM FOR THE MAIN LAKE” (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE).* (Dec. 2007- Feb. 2010)
94. **The German University in Cairo GUC**, EGYPT, “*THE TOTAL ELECTRICAL WORK AND SYSTEMS FOR THE WHOLE UNIVERSITY CAMPUS (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTURE) (LOW & MEDIUM VOLTAGE).* (2006 – 2011)
95. **Consultant Engineer for the WORLD BANK & Government of Japan for ALEXANDRIA GROWTH POLE PROJECT**, FOR THE ELECTRICAL AND TELECOMMUNICATION INFRASTRUCTURE FOR THE **ALEXANDRIA GROWTH POLE CITY, IN COOPERATION WITH EHAF CONSULTANCY FIRM.** (Mar.-Aug. 2006)
96. **CONSULTANT AND APPROVED TRAINER FOR THE SAUDI ELECTRICITY COMPANY, KINGDOM OF SAUDI ARABIA** (2006 - PRESENT)
97. **Participated in The Lighting work for the Olympic Playground for Shebeen Elkoom Stadium, 300 Luminaries x 2000 Watts.** (March- July 2006)
98. **Participated in a programmable Lighting scheme for the different games scenarios and a programmable screen for the Olympic Stadium in Madinat Nasr Club.**
99. **The Old Building Of The Exhibition Halls In Cairo International Conference Center, Nasr City, Cairo, Egypt”**. “*The Electrical Design Consists Of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX)*”. (2005-2009)
100. **The Rotana Cairo Office**, at the Four Season Hotel in Cairo, Belongs To The Saudi **ALMAMLAKA Group** (One Of Prince Alwaleid Ben Talal Ben Saud Group). “*The Electrical Design Consists Of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ACCESS CONTROL, DATA COMMUNICATION SYSTEM, IP TELEPHONE SYSTEM)*”. (Jan. 2005-2007)
101. **ELECTRICAL CONSULTANT & TECHNICAL ADVISOR OF ALMAMLAKA GROUP IN EGYPT (PRINCE ALWALEID BEN TALAL BEN SAUD GROUP).** (2005 – 2009)



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102. **Consultant for the Neama Bay Shopping Mall (240 Shops), SHARM EL SHEIK, EGYPT,** for security and light current systems. (2005 – 2006)
103. **Consultant for the Al Mohamadia Shopping Mall, Saudi Arabia,** for security and light current systems. (2005 – 2006)
104. **Consultant for the Bony Shopping Mall, Djibouti,** for security and light current systems. (2005 – 2006)
105. **Consultant for THE NATIONAL AUTHORITY FOR REMOTE SENSING & SPACE SCIENCES NARSSS.** (2004 – 2005)
106. **CONSULTANT AND APPROVED TRAINER FOR THE SOUTH CAIRO DISTRIBUTION UTILITY COMPANY – CAIRO - EGYPT** (2004 - PRESENT)
107. **“The New Building of The Egyptian Space Shuttle, For THE NATIONAL AUTHORITY FOR REMOTE SENSING & SPACE SCIENCES (NARSSS), Cairo, Egypt”.** *“The Electrical Design Review Consists of The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX), AND ELEVATORS”* (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTUR) (LOW & MEDIUM VOLTAGE) FOR THE CONSULTANCY CENTER FOR THE CAIRO UNIVERSITY. (2003-2004)
108. **“The New Building (Hall (4)) of The Cairo International Conference Center, Nasr City, Cairo, Egypt”.** *“The Electrical Design Consists of The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX), AND ELEVATORS”.* (2002-2004)
109. **“The New Building of The Administration and Laboratory Building at The Faculty of Specific Education”.** *“The Electrical Design Consists of The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, AND ELEVATOR)”.* (2002-2004)
110. **THE CAIRO INTERNATIONAL CONFERENCE CENTER CICC, CAIRO, EGYPT.** (2002 – PRESENT)
111. **THE ALMAKHADEG FOR TOURISM AND INVESTMENTS.** (2002 – 2006)
112. **“The New Mariolla Touristic Village, Mackady Bay, Hergada, Egypt”,** For THE ALMAKHADEG FOR TOURISM AND INVESTMENTS. *“The Electrical Design Consists of The Medium, and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX), AND ELEVATORS”* (INCLUDING THE ELECTRICAL & TELECOMMUNICATION INFRA-STRUCTUR) (LOW & MEDIUM VOLTAGE). (2002-2004)
113. **Trainer and instructor FOR THE ENGINEERS WORKING IN THE ELECTRICAL COMPANIES IN DIFFERENT COUNTRIES (SAUDI ELECTRICITY – ABU DHABI WATER & ELECTRICITY - DUBAI WATER & ELECTRICITY – QATAR WATER & ELECTRICITY KAHRAMA IN QATAR – QATAR PETROLEUM QUAPCO – OMAN TRANSMISSION COMPANY – MAGAN ELECTRICITY COMPANY).** (Mar.2002 – Present)
114. **“The Aviation Laboratory, Belongs to The Arab Industrial Institute”.** *“The Electrical Design Consists of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, ELEVATOR, AND Logic Control Circuits for The Aviation Laboratory)”.* (2001-2002)
115. **“The New Building of The Faculty of Medicine - Ain Shams University”.** *“The Electrical Design Consists of The Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM, SOUND, & NURSE CALL SYSTEM, AND ELEVATORS)”.* (2001-2003)
116. **THE ELECTRICAL POWER SYSTEM COMPANY (EPS), EGYPT.** (2001- 2009)
117. **“The New Building of The Academic Center for The Heart and Chest Faculty of Medicine- Ain Shams University”.** *“The Electrical Design Consists of The Medium and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, NURSE CALL SYSTEM, AND ELEVATORS)”.* (2000-2004)
118. **“The New Administration Building for Cemex Egypt, Nasr City”.** *“The Electrical Design and Repair of The Low Voltage Distribution Network”.* (2000-2001)
119. **THE CONSULTING AND RESEARCH CENTER FOR STEEL BUILDINGS AND BRIDGES – AIN SHAMS UNIVERSITY, CAIRO, EGYPT.** (2000 – PRESENT)

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120. **"The New Building of The Intensive Care Center In The Hospital Of Ain Shams University"**. *"The Electrical Design Consists of The Medium and Low Voltage Distribution Network, The LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, NURSE CALL SYSTEM, AND ELEVATORS)"*. (2000-2005)
121. **THE ARCHITECTURAL DESIGN RESEARCH AND STUDIES CENTRE – AIN SHAMS UNIVERSITY, CAIRO, EGYPT.** (1999 – PRESENT)
122. **"The Large Industrial Facility For Alnada Milk Factory In Al-Ehsaa, Saudi Arabia"**, *"The Design of Automatic Control Of The Large Industrial Facility"*. (1999-2000)
123. **TECHNICAL INSTRUCTOR (PREPARED AND DELIVERED MORE THAN 80 TECHNICAL TRAINING COURSES) FOR ABOUT 20 ELECTRICAL UTILITIES AND PETROLEUM COMPANIES IN MORE THAN SEVEN COUNTRIES.** (AUG.1998-PRESENT)
124. **THE DARS CONSULTANCY AND ENGINEERING OFFICE (DR. MOUSTAFA KORASHI).** (1998 – 2006)
125. **"The New Building of Nagy Museum, Pyramids, Giza, Egypt"**. *"Participated In the Design and The Execution of The Electrical Design Consists of The Medium and Low Voltage Distribution Network, all LIGHT CURRENT SYSTEMS"*. (1997-1999)
126. **ENERGY AUDIT, CONSULTANT, SURVEYOR, RISK ASSESSMENT & ASSETS EVALUATOR FOR THE EGYPTIAN INSURANCE SUPERVISORY AUTHORITY, CAIRO, EGYPT. REGISTERED UNDER NO.871.** (1997- PRESENT)
127. **Participated in detailed Energy Audits For Energy Consuming, Energy Efficiency Improvement, and Gas Reduction An ESCO COMPANY (Energy Audit & Design) by applying power factor corrector, Variable Speed Drives, Load Shifting, Efficient Lighting, etc.,for more than 160 facilities (Hotels, Water and Waste Water Treatment Plants, Cement Factories, Paper Factories, and fertilizers Factories), The project Under supervision of United Nation Development Plans UNDP** (1997 – 2007)
128. **Participated in detailed Energy Audits For Energy Consuming, Energy Efficiency Improvement, and Gas Reduction by applying wind turbine & Poto Voltaic modules, "ENERGY EFFICIENCY IMPROVEMENT AND GREENHOUSE GAS REDUCTION PROJECT", GEF/ UNITED NATION DEVELOPING PLAN (UNDP) PROJECT, EEHC, CAIRO, EGYPT.** (1997 – 2002)
129. **ENERGY AUDITOR & DESIGNER FOR ESCO COMPANY IN THE PROJECT OF "ENERGY EFFICIENCY IMPROVEMENT AND GREENHOUSE GAS REDUCTION PROJECT", GEF/ UNITED NATION DEVELOPING PLAN (UNDP) PROJECT, EEHC, CAIRO, EGYPT.** (1997 – 2007)
130. **"Al-Mirage Golf Village In Al-Katamia, Cairo, Egypt"**. *"Participated in The Design and The Implementation Of 324 Villas In Al-Mirage Golf Village"*. (1996-2000)
131. **"The Sonesta Hotel, Cairo, Egypt"**. *"Participated In The Renovation and Construction of Two Floors In The Sonesta Hotel"*. (1996-1998)
132. **Project of Pump Station, In Salhiea, Ismailia, Egypt.** *"Participated In The Electrical Design and Control of The Low Voltage Distribution Network for The Pump Station"*. (1996-1997)
133. **"The New Building of The Greek & Romanian Museum, Alexandria, Egypt"**. *"Participated in Design and Execution of the Electrical Design Consists of the Medium and Low Voltage Distribution Network, The Light Current Systems (Fire Alarm System, Sound System, The Security System, The Access Control System, and Elevators)"*. (1996-1998)
134. **THE ELECTRICAL POWER RESEARCH AND CONSULTANCY CENTRE – AIN SHAMS UNIVERSITY, CAIRO, EGYPT.** (1996 – PRESENT)
135. **Post-Doctoral Fellow at The University of Windsor, Electrical Engineering Department, Windsor, Ontario, Canada.** (1995-1996)
136. **Graduate Researcher at the University of Windsor,** (1990-1995)  
Instructor at the University of Windsor ;
  - Electrical circuits analysis.
  - Computer Aided Design.
  - Electrical Machines.
  - Electrical circuit labs.
  - High voltage engineering
  - Teaching Assistant at the Ain Shams University, Cairo, Egypt, 1984-1989.
137. **THE INTERNATIONAL ELECTRICAL CONSULTANT OFFICE (DR. MOHAMED ABDEL ALL).** (1985-1989 & 1996 – 2007)

**PROFESSIONAL AFFILIATIONS**

- **MEMBER OF THE ENERGY TECHNICAL COMMITTEE ACCORDING TO THE PRESIDENTIAL DECREE No. 18451/2021, REPRESENTING THE MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCHES DECREE No. 1604/2021, TO STUDY THE ELECTRICAL POWER INFRASTRUCTURE COMPONENTS' INDUSTRY IN EGYPT.**
- **MEMBER OF THE BOARD OF DIRECTORS OF THE EGYPTIAN ELECTRICITY TRANSMISSION COMPANY, ACCORDING TO THE MINISTER OF ELECTRICITY DECREE No. 12/2019.**
- **MEMBER OF THE BOARD OF DIRECTORS OF ELNAHDA UNIVERSITY.**
- **HEAD OF THE BOARD OF DIRECTORS OF THE FACULTY OF ENGINEERING OF ELNAHDA UNIVERSITY.**
- **MEMBER OF THE BOARD OF THE ELECTRICAL POWER AND MACHINES DEPARTMENT – FACULTY OF ENGINEERING – AIN SHAMS UNIVERSITY.**
- **MEMBER OF THE GENERAL ASSEMBLY OF THE DRINKING WATER COMPANY IN GREATER CAIRO.**
- **ENERGY AUDITOR, CONSULTANT, SURVEYOR, RISK ASSESSMENT & ASSETS EVALUATOR FOR THE EGYPTIAN INSURANCE SUPERVISORY AUTHORITY, CAIRO, EGYPT. REGISTERED UNDER No.871.**
- **Certified Energy Manager from the Association of Energy Engineers, Atlanta, Georgia, USA.**
- **TEAM LEADER OF THE MINISTERIAL COMMITTEE FOR WATER AND WASTE WATER PLANTS – THIS COMMITTEE BELONGS TO THE MINISTRY OF HOUSING, UTILITIES AND URBAN DEVELOPMENT.**
- **MEMBER OF THE PERMANENT CODE COMMITTEE FOR WATER AND WASTE WATER PLANTS – THIS COMMITTEE BELONGS TO THE MINISTRY OF HOUSING, UTILITIES AND URBAN DEVELOPMENT.**
- **INTERNATIONAL Egyptian CEIGRE' COMMITTEE, EGYPT, MEMBER OF COMMITTEE D1 THE MODERN TECHNOLOGICAL MATERIALS.**
- **MEMBER OF INTERNATIONAL Egyptian ELECTRICAL CODE IEC, FOR THE FOLLOWING SUBCOMMITTEES OF IEC :**
  - **IEC - TC 113, NANOTECHNOLOGY STANDARDIZATION FOR ELECTRICAL AND ELECTRONIC PRODUCTS AND SYSTEMS, EGYPT.**
  - **IEC – TC 112, EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS, EGYPT.**
  - **IEC – TC 106, METHODS FOR THE ASSESSMENT OF ELECTRIC, MAGNETIC AND ELECTROMAGNETIC FIELDS ASSOCIATED WITH HUMAN EXPOSURE, EGYPT.**
  - **IEC - TC 42, HIGH VOLTAGE AND HIGH-CURRENT TEST TECHNIQUES, EGYPT.**
  - **IEC - TC 10, FLUIDS FOR ELECTRO-TECHNICAL APPLICATIONS.**
  - **IEC - TC 15, SOLID ELECTRICAL INSULATING MATERIAL.**
  - **IEC - TC 101, ELECTROSTATICS.**
- **MEMBER EGYPTIAN SOCIETY OF ENGINEERS (ESE).**
- **MEMBER & CERTIFIED CONSULTANT ENGINEER – REGISTERED UNDER No. 1113/4, EGYPT ENGINEERS SYNDICATE (EES).**
- **MEMBER OF THE ENERGY & RENEWABLE ENERGY (ERGY) UNDERGRADUATE PROGRAM AT AIN SHAM UNIVERSITY.**

**SKILLS**

- **PLANNING, ANALYSIS AND DESIGN OF THE ELECTRICAL POWER DISTRIBUTION SYSTEMS.**
- **PLANNING, ANALYSIS AND DESIGN OF THE LIGHT CURRENT SYSTEMS (FIRE ALARM SYSTEM, SOUND SYSTEM, CLOSED CAMERA NETWORK, ELECTRONIC CENTRAL TELEPHONE EPABX).**
- **ANALYSIS AND DESIGN OF THE MEDIUM AND HIGH VOLTAGE ELECTRICAL NETWORKS (TRANSMISSION & GENERATION) & RENEWABLE ENERGY RESOURCES.**
- **ELECTROMAGNETIC FIELDS MEASUREMENTS AND MITIGATION METHODOLOGIES.**
- **ENERGY AUDITOR AND ENERGY EFFICIENCY IMPROVEMENT, AND GAS REDUCTION EXPERT (ENERGY MANAGER).**
- **KNOWLEDGE OF FINITE ELEMENT.**

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- EXPERIMENTAL TECHNIQUES.
- ENVIRONMENTAL IMPACT ASSESSMENT EXPERT.
- RISK MANAGEMENT.
- PROFESSIONAL INTERNATIONAL ELECTRICAL TRAINER.

### **CONFERENCE ORGANIZATION**

- **ORGANIZING COMMITTEE FOR THE COMING CONFERENCE OF “SIXTEENTH INTERNATIONAL MIDDLE EAST POWER SYSTEMS CONFERENCE” MEPCON’14, CAIRO, EGYPT, FEBRUARY 2014.**
  - **ORGANIZING COMMITTEE REPRESENTATIVE, “THE SEVENTH INTERNATIONAL MIDDLE EAST POWER SYSTEMS CONFERENCE” MEPCON’2000, CAIRO, EGYPT, MARCH 2000.**
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### **ATTENDED CONFERENCES AND SEMINARS**

- **INVITED SPEAKER IN THE FOLLOWING PLACES ;**
    - INVITED SPEAKER AND SESSION CHAIR IN THE **2<sup>ND</sup> AFRICA SMART GRID FORUM 2016.**
    - THE **SAUDI ELECTRICITY ANNUAL MEETING** ON 13-15 JANUARY 2016.
    - **THE IEEE CHAPTER MEETING** ON DECEMBER 25<sup>TH</sup> 2014.
    - **THE SAUDI ELECTRICITY COMPANY, JEDDAH, KINGDOM OF SAUDI ARABIA, THE SAUDI ENGINEERING WEEK, NOVEMBER 26-27<sup>TH</sup>, 2013, SEPT. 18<sup>TH</sup>, 2013, MARCH 14<sup>TH</sup>, 2012.**
    - **THE CLIMATE CHANGE CONFERENCE (AFRICA INSTITUTE OF SOUTH AFRICA) IN DURBAN, SOUTH AFRICA, NOVEMBER 27<sup>TH</sup> TO DECEMBER 9<sup>TH</sup>, 2011.**
    - **THE ARAB ELECTRICITY REGULATORS FORUM AT THE COUNCIL OF ARAB STATE LEAGUE, JUNE 26-27<sup>TH</sup>, 2011.**
    - **THE INTERNATIONAL ELECTRICAL & ELECTRONIC ENGINEERING (IEEE) SOCIETY SEMINAR, AIN SHAMS UNIVERSITY, IN APRIL 16<sup>TH</sup>, 2008 AND IN NOVEMBER 3<sup>RD</sup>, 2008.**
    - **THE UNIVERSITY OF WINDSOR, AUGUST 8<sup>TH</sup>, 2006.**
    - **THE LARGE ENGINEERING SYSTEMS CONFERENCE ORGANIZED BY THE IEEE LESCOPE’06, HALIFAX, CANADA, JULY 2006.**
    - **DAL-HOUSEY UNIVERSITY, HALIFAX, CANADA, JULY 26<sup>TH</sup> 2006.**
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### **ATTENDED CONFERENCES AND SEMINARS**

- The Vice Chairman of the Financial Committee for **MEPCON’14 Conference, the 16<sup>th</sup> International Middle East Power Systems Conference” MEPCON’14, Cairo, Egypt, December 2014.**
  - **“The 9<sup>th</sup> International Middle East Power Systems Conference” MEPCON’2003, Almonofia, Egypt, December 2003.**
  - **The Large Engineering Systems Conference** organized by the **IEEE LESCOPE’03, Monterial, Canada, May 2003.**
  - **“The 8<sup>th</sup> International Middle East Power Systems Conference” MEPCON’2001, Helwan, Egypt, December 2001.**
  - **“The 7<sup>th</sup> International Middle East Power Systems Conference” MEPCON’2000, Cairo, Egypt, March 2000.**
  - **“Electrical Insulation and Dielectric Phenomena Conference, IEEE Dielectrics and Electrical Insulation Society” CEIDP, Pennsylvania, USA, 1995.**
  - **"IEEE International Symposium on Electrical Insulation”, Pittsburgh, PA., USA, 1994.**
  - **”Electrical Insulation and Dielectric Phenomena Conference, IEEE Dielectrics and Electrical Insulation Society” CEIDP, Texas, USA, 1994.**
  - **“Electrical Insulation and Dielectric Phenomena Conference, IEEE Dielectrics and Electrical Insulation Society” CEIDP, Pennsylvania, USA, 1993.**
  - **"28th Annual CAGE Club”, Kingston, Ontario, Canada, 1990.**
  - **"IEEE 10th International Conference on Conduction and Breakdown in Dielectric Liquids”, Grenoble, France, 1990.**
  - **"The 5th International Symposium in High Voltage Engineering”, Braunschweig, Federal Republic of Germany, 1987.**
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**TECHNICAL VISITS**

- **AFRICA INSTITUTE OF SOUTH AFRICA**, DURBAN, SOUTH AFRICA, NOVEMBER, 2011.
- **THE EUROPEAN INVESTMENT BANK**, LUXEMBOURG, DECEMBER, 2009.
- **THE EUROPEAN UNION PROJECTS**, JORDAN, JANUARY, 2010.
- **THE EUROPEAN UNION PROJECTS**, MOROCCO, FEBRUARY, 2010.
- **THE AMERICAN ASSOCIATION OF ENERGY ENGINEERS, ATLANTA, GEORGIA, USA**, (Certified Energy Manager & MEMBER).
- **ALSTOM COMPANY, TRANSFORMER FACTORY, FRANCE, OCTOBER, 2003.**
- **TELEMECANIQUE COMPANY, BUS DUCT FACTORY, FRANCE, MAY, 2001.**
- **FRER COMPANY, FOR ELECTRICAL INSTRUMENTATION, MILLANO, ITALY, AUG. 1999.**
- **EASI COMPANY, FOR ENERGY CONSERVATION, HENDERSONVILLE, TENNESSEE, USA, 1998.**
- **ONTARIO HYDRO, TORONTO, ONTARIO, CANADA, 1992, & 1994.**
- **QUEBEC HYDRO, MONTRIAL, QUEBEC, CANADA, 1993, & 1994.**
- **UNIVERSITY OF BRITISH COLUMBIA AND ITS ELECTRIC LABORATORY, VANCOUVER, BRITISH COLUMBIA, CANADA, 1992.**
- **UNIVERSITY OF BERKELEY AND ITS ELECTRICAL LABORATORY, SAN FRANCISCO, CALIFORNIA, USA, 1994, & 1995.**
- **UNIVERSITY OF SOUTHERN CALIFORNIA AND ITS CONCRETE LABORATORY, LOS ANGELES, USA, 1994, & 1995.**
- **UNIVERSITY OF CALIFORNIA SAN DIEGO AND ITS CONCRETE LABORATORIES, SAN DIEGO, CALIFORNIA, USA, 1992.**
- **IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY AND ITS ELECTRICAL LABORATORY, LONDON, UNITED KINGDOM, (A SCHOLARSHIP FROM THE BRITISH COUNCIL), 1988.**
- **PRACTICAL TRAINING IN "MERLAIN GERAIN", GRENOBLE, FRANCE, JUNE 1982 TO AUG. 1982 AND JUNE 1983 TO SEPT. 1983.**

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**ACADEMIC AWARDS**

<b>1991-1995</b>	<b>University of Windsor</b> Postgraduate Tuition Scholarship.
<b>1990-1991</b>	<b>University of Windsor</b> Tuition Fee Waiver Scholarship.
<b>1979-1984</b>	<b>Ain Shams University</b> Undergraduate Scholarship for Five Academic Years.
<b>1988-1989</b>	SCHOLARSHIP FROM THE <b>BRITISH COUNCIL</b> IN EGYPT.
<b>1984</b>	<b>EGYPTIAN ENGINEERING SYNDICATE AWARD</b> , CAIRO, EGYPT.

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**TECHNICAL REPORTS**

- Participated in Technical report (The Team Leader & Author) for “**Energy Efficiency in the Water Supply and Sanitation Sector (EEWS)**”, sponsored by the German Financial Cooperation (via KfW Development Bank) supports the Egyptian government. **Project No. 201066380.**
- Co-Author in the Technical Book “**Electrical Distribution Networks Reconfiguration, the New Evolutionary Heuristic Optimization Approaches**”, Published by Lap Lambert Academic Publishing, 2012.
- Co- Advisor in the Technical Book “**Investigating the Renewable Energy in Africa**”, African Institute of South Africa.
- Participated in the Technical report (Lead Energy Expert & Author) for “**Study on the Financing of Renewable Energy Investments in the Southern and Eastern Mediterranean region**”, (in 9 Countries (Morocco, Algeria, Tunisia, Egypt, Jordan, Palestine, Syria, and Lebanon)), sponsored by The European Union Commission & the European Investment Bank, (Project EUROPEAID/FWC BENEFICIARIES 2009 LOT Nr 4 - EuropeAID/127054/C/SER/multi).
- Participated in Technical report (The Energy Consultant & Author) for “**Environmental and Social Impact Assessment Studies for Abo Rawash and The 6<sup>th</sup> of October WWTP Project**”, sponsored by USAID.

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- Participated in Technical report (The Team Leader & Author) for “**Industrial Application of Energy Efficiency in Water Cycle Management**”, sponsored by the European Union Commission. The project number (EUROPEAID119860ICISVImulti, Lot No.2: Transport and infrastructure, Request No. : 2008I 163-217).
  - Participated in Technical report (Consultant Engineer & Author) for “**The Electrical and Telecommunication Infrastructure for The Alexandria Growth Pole City Project**”, sponsored by the World Bank & Government of Japan, In Cooperation with Ehaf Consultancy Firm.
  - Researcher & Co-Author in the “**Standardization of Switch-Gear Appropriate For Egyptian Electrical Substations**” research, Foreign Relations Coordination Unit, Vol. I-III, FRCU 830213, 1988.
  - Supervisor of many Master & Ph.D Reports, in the following fields of High Voltage Engineering, Protection, Magnetic fields, Transient over Voltage, Distributed Generation (Fuel cells, micro turbines, and energy storage systems), Renewable Energy (Wind and Photovoltaic), Electric drives and Hybrid Electric Vehicles.
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### **TEACHING SHORT COURSES**

Prepared and Delivered Different Technical Courses For Different Electrical & Petroleum Companies (more than 80 Technical Training Courses) :

1. **EGYPTIAN ELECTRICAL COMPANY.**
2. **IMPORT & EXPORT COMPANY – CAIRO - EGYPT.**
3. **SOUTH CAIRO DISTRIBUTION UTILITY COMPANY – CAIRO - EGYPT.**
4. **MINISTRY OF ELECTRICITY & POWER – CAIRO - EGYPT.**
5. **SAUDI ELECTRICITY COMPANY, KINGDOM OF SAUDI ARABIA.**
6. **SALIN WATER CONVERSION CORPORATION, KINGDOM OF SAUDI ARABIA.**
7. **ABU DHABI ELECTRICITY & WATER COMPANY ADEW, UNITED ARAB EMIRATES.**
8. **ABU DHABI GAS INDUSTRIES LTD. GASCO, UNITED ARAB EMIRATES.**
9. **DUBAI ELECTRICITY & WATER COMPANY DEW, UNITED ARAB EMIRATES.**
10. **FEDERAL ELECTRICITY & WATER COMPANY FEW, UNITED ARAB EMIRATES.**
11. **QATAR ELECTRICAL & WATER COMPANY, STATE OF QATAR.**
12. **QATAR PETROLEUM COMPANY, STATE OF QATAR.**
13. **THE JORDANIAN ELECTRICITY COMPANY, HASHEMITE KINGDOM OF JORDAN.**
14. **MAGAN ELECTRICITY COMPANY, OMAN ELECTRICITY NETWORK, SULTANATE OF OMAN.**
15. **MUSCAT ELECTRICAL DISTRIBUTION COMPANY MEDC, SULTANATE OF OMAN.**
16. **PETROLEUM DEVELOPMENT OMAN PDO, SULTANATE OF OMAN.**
17. **RURAL AREA ELECTRICITY COMPANY SAOC, MAGAN, SULTANATE OF OMAN.**
18. **OMAN TRANSMISSION LINE COMPANY, SULTANATE OF OMAN.**
19. **THE MINISTRY OF ELECTRICITY & WATER, STATE OF KUWAIT.**
20. **Nigeria Electrical Transmission Line Company, Nigeria.**

In the different fields of “Power System Analysis”, “Electrical Power Quality and Troubleshooting”, “Transformer Operation, Maintenance & Testing”, “Switchgears and Fault Clearance”, “Power System Transient Stability”, “Power Factor Improvement and Capacitor Testing”, “Circuit Breaker, Maintenance, and Testing”, “Load-Forecasting and System Upgrade”, “Electrical Troubleshooting & Analysis (Distribution)”, “Electrical Fault Diagnosis Techniques and Preventing Cascading Blackouts”, “Electrical Troubleshooting & Analysis (Distribution)”, “Electrical Drawings For Substations”. “Electric Power Planning and Design”, and “High Voltage Switchgear”, “Distribution Network Design and Planning Both 11 kV & 33 kV”, “Power Transformer and tap changers”, “Power system operation & maintenance network components (11 kV & 33 kV - control)”, “Fault analysis in distribution operations : network faults”, Power cables and electrical fault location”, “Grounding Bonding Lighting and Surge Protection of Utilities Industries”, “Strategic Planning, and Operation for Distribution Network”, “Reactive Power Management”, “Electrical Fault Diagnosis Techniques & Preventing Cascading Blackouts”, “Electrical Power Distribution Networks System (Designing & Layout Planning)”, “Fundamental Electrical Power Generation, Transmission and Distribution”, “Demand Side Management.

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## **Prof. Dr. Salem Mahmoud Elkhodary**

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### **ATTENDED TRAINING COURSES**

- **“Communication Skills”**, Faculty and Leadership Development Project, Dec. 2010.
- **“The Management of the Research Team”**, Faculty and Leadership Development Project, April 2010.
- **“The Application of the Quality Measures on the Social and Environmental Services Sector”**, Faculty and Leadership Development Project, Jan. 2010.
- **“Using the New Technology Tools in Teaching”**, Faculty and Leadership Development Project, Dec. 2007.
- **“Scientific Research Methodology”**, Faculty and Leadership Development Project, Nov. 2006.
- **“Teaching Assessment”**, Faculty and Leadership Development Project, Dec. 2006.
- **Certified Energy Manager**, the Association of Energy Engineers, Atlanta, Georgia, USA,

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### **COMMITTEE MEMBER :**

- Board member of the **Electrical Power & Machines Department**, Faculty of Engineering, Ain Shams University.
- Member of the Permanent Code Committee for Water and Waste Water Plants – this committee Belongs to the **Ministry of Housing, Utilities and Urban Development**.
- Member of the Development of the New Curriculum for the Under & Post Graduate Courses for the **Electrical Power and Machines Department**.
- Former Board Member of Faculty of Engineering, **Ain Shams University**.
- **Member of International Egyptian Electrical Code IEC.**
- **International Egyptian CEIGRE’ Committee.**

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### **PUBLICATIONS**

- WILL BE SUBMITTED UPON REQUEST.

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### **EXTRA CURRICULUM ACTIVITIES:**

- The **Main Coordinator** for the **Cooperation & Memorandum of Agreement** between **Ain Shams University** – Faculty of Engineering (Cairo-Egypt) and **University of Technology Baghdad** (Baghdad - Iraq).
- **Senator of The Student Union**, University of Windsor, Ontario, Canada 1992-1995

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### **REFERENCES**

- Prof. Dr. Khaled Abdel Ghafar, The **Minister of Higher Education & Scientific Research**, Cairo, Egypt.
- Prof. Dr. Mohamed Shaker, The **Minister of Electricity**, Cairo, Egypt.
- Prof. Dr. Aiman Ashour, The **Deputy Minister of Higher Education & Scientific Research**, Cairo, Egypt.
- Prof. Dr. Hossam ElDein ElMalahi, The President of Al Nahda University, Beni Sweif, Egypt.
- Prof. Dr. Sherief Hammad, Former **Minister of Scientific Research**, Cairo, Egypt.
- Prof. Dr. Mahmoud Abu EINassr, Former **Minister of Education**, Cairo, Egypt.
- Prof. Dr. Mohamed El Sobkiy, Former **Chairman of the New & Renewable Energy Authority NREA**, Cairo, Egypt.
- Prof. Dr. Ahmed Mawad, The Vice President of the Egyptian Water and Wastewater Holding Company.
- Mr. Eng. Mostafa ElShemy, the Chairman of Great Cairo Potable Water Company.
- Prof. Dr. Ahmed Zaky Badr, Former **Minister of Local Development**, Cairo, Egypt.
- DR. MEDHAT KHAFAGY, THE HEAD OF TRAINING CENTERS FOR THE **MINISTRY OF ELECTRICITY, KINGDOM OF SAUDI ARABIA.**
- Mr. Mohamed Abdallah, **Chairman of The Suez Canal Insurance Company**, Egypt.
- Mr. Eng. Abdel Fattah Mansour, **the Head of Trustees for the German University in Cairo GUC**, Cairo, Egypt.

## **Prof. Dr. Salem Mahmoud Elkhodary**

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- Mr. Eng. Omar Tayar, **The Head of Engineering Department, Saudi AIMamlaka Group**, in the Kingdom of Saudi Arabia.
- Mr. Eng. Ahmed Badr, **the Executive Director, RCREEE**, Egypt.
- **PROF. RUBEN HACKAM**, PROFESSOR AT DEPARTMENT OF ELECTRICAL ENGINEERING, UNIVERSITY OF WINDSOR, WINDSOR, ONTARIO, CANADA.
- **PROF. ALAN WATSON**, PROFESSOR AT DEPARTMENT OF ELECTRICAL ENGINEERING, UNIVERSITY OF WINDSOR, WINDSOR, ONTARIO, CANADA.
- **PROF. MOHAMED EL-HAWARY**, PROFESSOR AT DEPARTMENT OF ELECTRICAL ENGINEERING, UNIVERSITY OF Nova Scotia, Halifax, CANADA.
- **PROF. MAGDY SALAMA**, DEAN OF FACULTY OF ENGINEERING, UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO, CANADA.
- DR. IBRAHIEM YASIEN FORMER **Technical Director, GEF/UNDP**, Egypt.