**ANTANIOS, PEng.** Electrical Engineer

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E-mail: [antanios.326730@2freemail.com](mailto:antanios.326730@2freemail.com)

I am a hardworking, hands-on qualified and experienced electrical engineer with over 30 years of practical engineering experience including operation and maintenance of electromechanical plants and facilities. I have worked as anoperation, maintenance, and construction section head- manager, senior power plant engineer, lead and senior electrical engineer- consultant in: construction power plants, pumping stations oil and gas fields and plants; consulting, construction and project management companies, industrial and electromechanical construction, commissioning, operation and maintenance projects: oil and gas fields and plants, power generation and distribution, water projects, pipelines, industrial, residential, commercial and infrastructure projects. In oil fields and gas plants I worked as a senior electrical engineer-consultant, and senior power plant supervisor(Plants with Solar and GE gas Turbine generators). In 1992 I was appointed as an oil field electrical section head by Shell. From 2006- 20015 I worked as a lead and senior EE, consultant in oil and gas and consulting companies, including the largest gas plant in Nigeria, take part in review and verification of construction and design of the strategic, more than 400 KM, pipe line in UAE- operated by ADCO. I take key role in reviewing, revising, and approving drawings, specifications, material, QC/QA, BOQs, installations(oil and gas, industrial, strategic water pumping station-Kuwait, commercial, and residential), commissioning, supervision, control, operation, and maintenance of MV generation plants, substations, big motors and control centers, pumps, boilers, chillers, compressors, direct current systems, rectifiers, UPS, variable speed control circuits, and HVAC. I have long experience in design, research, training, and development. I used ETAP for a few years. Also I have marine experience.

I am a Canadian citizen, hold master’s degrees, completed all PHD courses at McMaster university, Ontario, Canada.

I am a PEng, member of PEO- Professional Engineering of Ontario, Canada. Also I hold Ontario construction and maintenance electrician certificate, and WHMIS. I was a member of IEEE, and other Engineering societies such as Kuwait Society of Engineering(Consultant Designation) ), and hold electrical engineering supervisory designation- Ministry of Energy, Kuwait.

I am enthusiastic and efficient with excellent problem-solving and decisions skills, team player, enjoy and am skilled at managing staff, working with senior management collaboratively and ensuring that projects are completed efficiently within deadlines and financial constraints, while the highest level of engineering standards, quality, and safety are assured. I have worked professionally and studied in several countries.

I enclose a review of my professional history. I hope this provides you with a clear indication of the work ethic, sense of responsibility and commitment to excellence that I would bring to any organization and project.

I would very much appreciate an opportunity to discuss my professional history and career goals with you if we might find a mutually convenient time. Thank you for your time and consideration.

Sincerely

Antanios, MS-EE.,PEng.

**ANTANIOS, PEng.**Electrical Engineer

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**HIGHLIGHTS OF SKILLS**

**CONSTRUCTION PROJECTS, OIL& GAS, FIELDS, MANAGEMENT**

Lead and Senior EE consultant in consulting companies, oil and gas, electrical and electromechanical projects(industrial, commercial, and residential).

Senior Power Plant supervisor and senior Engineer in a big Gas Plant with 11 KV and 6KV GE gas turbine generators.

Thrive in bringing projects to successful completion with budgets, quality, and deadlines

Effectively managed and supervised electrical, instrumentation and control sections

Team player of 10-50 professional and technical staff to ensure efficiency, and productivity

Extensive experience in multinational and international companies

Increased profitability through organization, planning, diligence and commitment

**POWER GENERATION AND DISTRIBUTION**

Experienced in supervising electrical engineering construction projects, reviewing drawings BOQ, and specifications, with strong background in power engineering and system analysis

Experienced in supervising installation, testing, commissioning, operation, and maintenance

of generators, transformers, protective system and switchgear

skillfully dealt with consulting firms, government ministries contractors, and subcontractors.

Experienced in troubleshooting and maintenance of switchgear, generators, transformers, UPS, and rectifiers

**ELECTRICAL MOTORS AND MOTOR CONTROL CENTERS**

Strong background in electrical machines and motors

Skilled in designing, installation, operation, testing and commissioning of MCC control centers and protection circuits

Experienced in operating, troubleshooting and maintenance of industrial motor control centers(MCC) and switchgear

**TRAINING AND DEVELOPMENT**

Successful trained and instructed in universities and companies, Attended IEEE conference

Guided and performed electrical engineering research work, presentations and seminars

Taught ETAP for university students

Awarded the Best Applied Research Award for 1998, from The Regional Committee for High Voltage Electric Systems of the Gulf Council Countries (GCC-Cigree)

**PROFESSIONAL EXPERIENCE**

**Lead Electrical Engineer**, Wood Group(UAE); **Senior EE,** NJS Consultants(Kuwait), **Senior EE**(oil and gas, and self-employment, 02/2012 – Present

* Responsible for reviewing and confirmation of electrical design, construction, and installation of electrical power system and equipment for a major more than 400 KM oil pipeline, oil pumping stations, Overhead lines, power transformers up to 25 MVA, 33/6.6 KV, 6.6/0.415 KV, VSD systems up to 8 MVA, MV motors 6.8 MW, etc. Review and conformation of major electrical equipment, protection, specifications, and sizing calculations for: generators, transformers, cables, and UPS systems sizing and procedures for installation including the overhead line. Review power system studies, verify earthing of equipment. Review Haz. Area classification, schedule and drawings
* Reviewing and approving design, material, installations, etc. in a pump station with 11 KV emergency generators, motors , transformers, etc.

**Senior Power Gas Plant Engineer, Senior power Gas Plant Sup.** NAOC(ENI group, Nigeria)**,** and Self Employment, 08/2007- 01/2012

Fully responsible for the whole electrical power system: generation and distribution system in the biggest gas plant in Nigeria with11 KV, 6 KV, and 400 V generators, transformers, motors, 33 KV transmission lines, switch gear, MCC, UPS and DC systems.

Reviewing and approving new installations, troubleshooting and maintenance jobs done by contractors.

**SENIOR Electrical Engineer-Consultant:** Gulf Consultants(Kuwait), Kuwait Development Co (Project Management- Kuwait), INA-Naftaplain, 2004- 2007

Fully responsible for reviewing and approving project electrical drawings, installation methods, and materials for big pumping stations

Reviewing, approving project drawings, BOQ, specifications, check lists, and supervising all electrical installation, including MV and LV motors(up to 1.5 MW, 3.3 KV motors with VFD), generators up to 11 KV- 3 MVA, transformers, direct current systems, rectifiers, and UPS in oil and gas fields, residential, and commercial projects

**Oil Field Electrical Eng., promoted to Oil Field Electrical Section Head), Construction Projects Engineer**, **Section Head**,Al-Furat Petroleum Co.(with Shell); United Gulf Construction Co, Middle East, 01/1990-05/1996

Successfully involved in installation, commissioning, operation and maintenance of generators, transformers, transmission lines, switchgear, protection systems, motor control center (MCC), 2000 HP motors and pumps, HVAC, cathodic protection, direct current systems, rectifiers, and UPS

Received excellent performance evaluations; promoted to Oil Field-Electrical Section Head

Worked collaboratively with senior supervisors on the oil fields in often hazardous areas

Ensured that routine troubleshooting and on site modifications were completed successfully

Section head, responsible for installation, operation, maintenance, and troubleshooting of generators, electrical motors, transformers, and pumps according to specifications

Managed and supervised up 50 electromechanical professional in up to $ 70 millions projects

Worked closely and collaboratively on all phases of projects with ministry engineers, consulting companies engineers, project managers, financial and technical support and supply managers

Achieved consistent success in completing and commissioning projects before deadlines and within budgets with high quality as a result of organizational excellence and commitment

**Electrical Engineer, PHD Candidate, Instructor**, McMaster University, ECE Dept., Hamilton,

Ontario, Canada 2001- 2003

Completed all required PHD electrical engineering courses (Poly-phase Electric Motors, Power Electronics, Transmission Lines, CAD, and Advanced Engineering Electromagnetics)

Conducted research work, and attended many graduate presentations and seminars

Laboratory instructor and TA for: Power devices and Systems, Energy Systems and Management, Power Electronics, Electrical Circuits and Power

**Electrical Engineer, Instructor,** Kuwait University, ECE Department, 1997-2001

Instructed in electrical power systems, machine, electric circuits and Fortran laboratories

Provided teaching assistance in: power system analysis (load flow, short circuit, transient stability, economic dispatch, power generation, transmission and distribution analysis), electric circuits analysis and linear circuits, electric machines, distribution, and power system protection

Conducted and supervised research work Prepared new power and Fortran lab experiments

Provided engineering software demonstrations for engineers. Attended IEEE conference

**Electrical and Electromechanical Eng., Section head, Technical Centers,** 1975-1989

Managed, supervised, operated, calibrated and maintained a wide range of instrumentation, electrical and mechanical equipment as a section head

Provided technical training on a variety of equipment and processes

Operated and supervised the installation, operation and maintenance of electromechanical equipment in a 5 star hotel, and on a ship. Ensured the proper operation of all equipment

**EDUCATION**

* **PHD Candidate, Electrical Eng., McMaster University**, **Hamilton, ON, Canada,** 2001- 2003
* **Master of Electrical Power Engineering, Kuwait University**, Kuwait, 1993 -1996
* **MS in Electromechanical Engineering, USSR,** 1970 -1975

***Academic credentials were evaluated by University of Toronto, Comparative Education Office, and determined to be equivalent to Canadian graduate degrees.***

**OTHER RELEVANT INFORMATION**

**COMPUTER SKILLS**

ETAP, Matlab, Spice, Economic Dispatch, MS Word, Excel, Fortran, Canvas, C- language, etc.

**AFFILIATIONS**

PEng.- member of PEO- Professional Engineering of Ontario, Canada

IEEE- previous student member, needs reinstatement

Member with Consultant designation -Kuwait Society of Engineers,

Electrical engineering supervisory designation, Ministry of Energy, electricity and water, Kuwait.

**LANGUAGE SKILLS**

English(BA English Language and Literature), little French

***AWARDS***

**Best Applied Research award for 1998**,

“***A Study on the Substation Application Curves of a Distribution Network***” The Regional Committee for High Voltage Electric Systems of the Gulf Council Countries

(GCC-Cigree)