**CURRICULUM VITAE**

**PETRE**

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**Experience**

**Electrical Commissioning &Start-up Engineer**

**Period: November 2015-october 2016**

**Company and location: Weaterford PPWS IPF Project ZUBAIRE –IRAQ**

I carried out professional engineering activities in a highly competent and efficient manner and ensured that the technical and safety integrity of the engineering is maintained. I participated in relevant Factory Acceptance Tests.

I organized Vendor assistance during Commissioning.

I interacted with other disciplines and team members.

I monitored and assisted in Vendor activities as required.  
Interface towards Pre-commissioning , commissioning and start up, ensuring that temporary supplies and commissioning spares are adequate for the subsystem testing Motor Control Centers, UPS system , Battery Chargers and Battery.

I implemented & tested the subsystems as per the commissioning test sheets. Completed management of the Electrical pre-commissioning / commissioning.

I have Extensive experience with LV/MV/HV drives and switchboards including supervision of all relevant testing, etc.

Preparation of commissioning scope and procedures, Liaison with design, construction and operations groups.

Management and supervision of sub-contractors and vendors. Management and supervision of commissioning technicians to complete the pre-commissioning / commissioning scopes.

**Supervisor Electrical Engineer**

**Period: July 2014 - November2015**

**Company and location: AMERICAN LYCETUFF, Bucharest, Romania**

Preparation of testing procedures for electrical installation and commissioning.

Reading electrical design specifications and drawings.

Organizing routine service programs.

I made sure that all electrical engineering projects are fit for purpose.

I kept in touch with and monitored contractors third parties.

I participated in meetings, submit written reports and presentations to managers and customers.

I witnessed connection and commissioning of electrical installation pumps, panels and transformers, Testing of LV SWITCHBOARDS -SCHNEIDER –okken power distribution switchboard and panel board ,motors Motor Control Centers, UPS system , Battery Chargers and Battery etc. column scheme electrical fire alarm and emergency communications systems for residential and industrial. I made regular visits to construction engineering.

Detailed final product manufacturing / construction and installation prepared for start-up.

**Electrical Inspector**

**Period: March 2014 - June 2014**

**Company and location: Zweitina Oil Company –LIBIA**

My work has been started at the request of Oasis Oil Services Project Ltd.Company 34.5 Kv Distribution System103A in 103D

The objective was to determine the conditions at the site footer, and provide information on the subsoil conditions assessment, using the results of vertical electrical soudig performed at power line transmission tower site.

Also field measurements and quantitative interpretation of results to be used in any of the earthing system designs.

Due to unstable political scene in Libia, my work took place only during a job rotation.

**CHIEF ELECTRICIAN**

**Period: May 2013 - December 2013**

**Company and location: Oil & Gas – SAIPEM Group, Astrakhan, Russia**

Actively contribute to the security system on board;

Perform other tasks when necessary provided by the management;

Manage the maintenance of electrical installations in accordance with AMOS procedures;

Ensures proper reporting of planned maintenance and corrective maintenance AMOS and reviewed regularly described DST 4600A generators, control panel STBD light, medium voltage switches, etc.

Arrange for the necessary replacement electrical / electronic parts and correct or repair sheet by

MILLER XMT 456CC/CV welding machine and generating Parkins 2300.

Ensures that all work routines in my department are in accordance with the SHL QESH and International practice.

**Electrical Supervisor F&G**

**Period: September 2012 – mart.2013**

**Company and location: SAIPEM Group-Sonatrach**

Project ; Sonatrach GNL-3Z ALGERIA

Execution of works in the electrical installation with work permit and hot work permit.

Execution of cable termination and connections in electrical panels and distribution boards for F&G. Installation contactors, relay protections, fuses, etc. Mounting and replacement cable trays, dressing cables, termination, connection of cables, termination diagrams and installation instrument equipment F&G, activities pre-commissioning, punch-list and preparing to installation alarms systems and Fire Gas detection and preparing to start-up

Description of check

Checking cable ladder/tray covers installed as per design drawing requirements. Check transit identification and transit frames installed correctly and as per drawing, Checking cable ladder/tray transit alignment proper and sealed correctly. Checking and confirm all bolts, washers and nuts installed properly and tighten and no missing. Checking that identification tag for cable trays / ladders provided. Checking tray cleanliness prior to cable installation,

Checking for installation of stopper box and/or seal at the point of entry from hazardous area to safe area. Check electrical continuity. Check clearance from heat sources. Checking earthing.

Check color and touch up paint. Check numbering of trays (if required). Produce defect hit for Punch List. Ensure that all F&G equipment are correct as per project requirement and specification .F&G equipment undamaged & vendor certificates are available. Complete Act of building and construction readiness for fire detection system installation Fire and Gas Detection System shall be installed in accordance with manufacture’s standard & project standard installation drawing.

Beacon lights, sounders, manual call points, smoke detectors, flame detectors, gas detectors, toxic gas detectors and heat detectors shall be installed in correct orientation, in intended location on support brackets, a sub- panel, mounting post or pedestal, ensuring that it is levelled, plumbed and firmly secured. Fire and gas system Cabinet installed correct location, levelled, plumbed and firmly secured. Check insulation resistance and continuity test, glanding, and termination of cables are correct and completed. Check all punch list items completed and closed

Act for Fire & Gas Detection Systems Installation works completion. Checking Completion of Acts of Acceptance for F&G Detection Systems. Complete Act list devices detectors. Checking insulation resistance and continuity test, glanding, and termination of cables are correct and completed. Check all punch list items completed and closed. Acts for Fire & Gas Detection Systems Installation works completion. Checking Completion of Acts of Acceptance for F&G Detection Systems.

**Electrical- INSTR./ HVAC/ TELECOM – QC Inspector for Mechanical Completion**

**Period: April 2011 - August 2012**

**Company and location: TOZZI / ENI-AGIP KCO -KAZAKHSTAN**

E&I modification works on A&D Island LER (Local Equipment Room) for ESD System, Fire and Gas System, Firefighting System, HVAC System, Telecoms System ICSS Interfaces according to Eni/Agip KCO request and Mechanical Completion, Precommissioning of all the tems.

Constructing/installing of different sizes cable trays and taz conduit pipes for Instrument Cables from Marshaling Cabinets into designated cabinets and systems, HVAC Room, Electrical Room, Battery Room, Inergen Room, Nitrogen Generator Room, EDG Room, installation of junction boxes for the mentioned systems open the MCT between the rooms, pulling, dressing cables, termination diagrams. Check installation of cable &light fixtures are complete to installation drawings, check circuit fuse size, check if equipment is suitable for hazardous area in which is located and verify equipment IP rating is suitable for location, check equipment fixing and mountings are secure, check cable terminations at Distribution Board, check cable terminations at circuit junction boxes & light fittings, check earthing conforms to desing requirements , connection of light terminals and heat tracing and earthing systems, activities pre-commissioning and punch-list collaboration with engineering personnel within the company AGIP and ICAT, ITR completing ,testing of systems and preparing to start-up.

Precommissioning, Commissioning and Energization of MV and LV equipment, Power Substations switchgear, Motor Control Centers, UPS system , Battery Chargers and Battery Banks of Refinery and Petrochemical Plants Site supervision and inspection experience for electrical components such as glanding and termination connections, magger tests, insulation and continuity tests.

**Electrical & instrument- QC Inspector for Mechanical Completion**

**Period: October 2010 - April 2011**

**Company and location: Technip Italy**

Project: ROTTERDAM NExBTL PLANT- NESTE OIL Oyj

Checking and inspection instrument cables installation , inspection electrical cables installation for power panel, junction box for heat tracing, lighting system , earthing systems and control inspection communication system and final inspection.

Check instrumentation and communication system, instrument cables connection and installation instrument equipment ready for power and final inspection.

I do the following checks:

Fixture and support stability good.

Assembly as per manufacturer's instructions.

Circuit installed and Identified according to approved drawings and specifications.

All fittings solidly and correctly mounted and accessible for maintenance.

All shipping stops bracing and packaging removed.

Nameplate securely attached, readable and not obscured.

All equipment undamaged, clean and all spare entries blanked off with correctly certified plugs.

Cable termination and glanding at all junction boxes and lighting fittings/outlets are correct.

All labels are correct.

Earth connection and earth continuity in accordance with specification.

Insulation resistance in accordance with specification.

Lighting circuits, line to earth only with line and neutral short-circuited.

Record number of lighting fittings ( or socket outlets ) and junction boxes.

After temporary use of lighting circuits for construction purposes. All reflectors to be cleaned and all tubes replaced

Confirm 3 phase warning labels are fitted, where necessary.

Verify all the equipment, structure, cable trays/racks/conduits, power distribution boards, panels, MCC HVAC system etc.

Earthing Switchboards, motors, transformer, connections to be done

Checking installation of instrument earth system

Checking the installation of instrument and telecom earthing systems Instrument and telecom cubicles .Checking insulation resistance and continuity test, glanding and termination of cables are correct and completed All punch list items complete and closed.

Act for release of field instrument for installation acceptance.

**ELECTRICAL ENGINEER - AKER KVAERNER-ADRIATIC LNG**

**Period: January 2009 - June 2009**

**Company and location: Technip-Spa,ITALY**

Cable trays, cable pulling and connections, junction boxes and panels, grounding system. Installed equipment, cable layout (cable sizing , cable trays, etc.), installation Panel for lighting, TJB, TDB, JB, connection of light terminals and heat tracing and earthing systems activities pre-commissioning and punch-list .

Verify clamps, fittings connectors and hanger clamps expansion guides installed as required.

I checked correct bolt installation

I checked clamps, screws fastened installed tightened properly

I checked expansion joint gap and compensator groups provided as required and verify compensator setting correct.

I checked bonding jumpers installed at cable ladder /tray expansion joints.

I checked no heat source located beside or near

I checked cable tray /ladder accessories are not damaged.

Check sharp edges removed and all cuts and burrs ground off and cold galvanizing paint applied

I checked both ends of the cable ladder/tray earthed and bonding jumber installed and Junction boxes correctly installed and cable terminated, Earthing connected correctly

**Electrical Supervisor**

**Period: April 2007 - June 2008**

**Company and location: PFD-TCO FGP Project SICIM Spa-TENGHIZ –KAZAKHSTAN**

**Departament: oil&gas industry**

Responsibilities:

The whole maintenance, repairs, calibration and setup controls of the electrical equipment and devices.

Test of protection devices related to generators, transformers, motors, checking and maintenance of the installed equipment, cable layout (cable sizing, cable trays, etc.), light calculation and design, documentation of electrical installations and heat tracing, installation Panel for lighting, TJB, TDB, JB, connection of light terminals and heat tracing.

In electrical system I worked and controlled in the following activities: cable trays, cable pulling and connections, junction boxes and panels.

I managed project schedules, obtained permits for operations; make engineering calculations in connection with field and office assignments. I have investigated problems and I have recommend solutions.

I have ensured compliance with safety requirements and standard procedures.

I prepared requests for proposals and evaluate bids, provided advice regarding code compliance.

Directed, prepared, reviewed and approved contract documents and specifications, making modifications and recommending alternatives as needed.

Achievements:

In the position held I worked with a various area of electrical equipment and devices, as generators, transformers, motors, cables, installation panel and others. I have a vast experience dealing with electrical equipment and devices. As achievement I projected a new electrical database for motorizing electrical installations.

**Electrical Supervisor in Lybia**

**Period: August 2006 - February 2007**

**Company and location: G.C.C.I. Lybia Abu Kammash LIBIA**

Responsibilities:

Engineer working head of maintenance section in VCM Plant.

I worked as Supervisor with Commissioning and Maintenance team of 20kv and 66kv Overhead Lines and Distribution Power Cables.

Corrective & Preventive Maintenance for the Generator and its Auxiliaries. 66KV Switchyards High Voltage Switchgear , H.V distribution Panels.

Preventive and Corrective Maintenance for all Circuit Breakers (3.3kvC.B-20KVC.B-66KVC.B LV Circuit Breakers) SF6 Circuit Breakers Vacuum Circuit Breakers Air blast Circuit Breakers Air Conditions and Ventilation Systems. Lighting Systems. Ear thing Systems, Batteries (lead Acid and Cadmium).

Achievements:

In this position I prepared and reviewed engineering plans, specifications, project schedules, designs, circuit diagrams, and estimates for construction and maintenance of power generation projects and related electrical systems.

Provided technical support for system operations and maintenance. Maintained effective working relationships with field crews, contractors, vendors.

**Automatist on Princess Cruise**

**Period: April 2005 - July 2005**

**Company and location: Olympus Marine- Miami, Florida,**

Department: maintenance/service

Company activity field : Princess Cruise; Olympusmarine-Bremenhaven/Germany

Responsibilities:

Maintenance of electrical equipment of cruise ship, of electrical installations and

automatization. Electrical faults, electrical explosions, arc flashes, lightning damage, workplace safety and electrical safety tools and equipment.

Industrial control, programmable logic controllers, computer interface design. Fire detection and alarm systems, UV, smoke detectors, flow switches, pressure switches, pull cable in stations.

Achievements:

Devices service include: motors, circuit boards, batteries, uninterruptible power supplies, emergency generator power conditioners, isolated ground systems power monitors, heaters, traffic signals

**Electronics engineer**

**Period: April 2003 - February 2004**

**Company and location: Brazi Refinery, Ploiesti, Romania**

Project: Petro chemistry/Oil and Gas

Maintenance of machines and equipment. Oil & Gas industry

Provided designs for power distribution systems, fire alarm systems, emergency power systems and isolated grounding systems. Provide technical analysis and write technical documents.

Provide analysis of standards.

Designed electrical installation for MEDIUM and Low Voltage, prepared contract documents and evaluated tenders for construction or maintenance

Preparation of HT & LT Single Line Diagram.

Design calculations for transformer sizing, cable sizing, battery sizing, capacitor sizing, earthing, lighting & lightning protections and also Cathodic Protection.

Preparation of Earthing, Lighting, Lightning Protection & Cable Tray .

Preparation of HT & LT Power & Control cable schedules & interconnection details.

Development of electrical schematics, control logic, protection, metering and synchronizing systems

**Technical manager**

**Period: July 2002 - February 2003**

**Company and location: PRINCIPAL CONSTRUCT, Ploiesti, Romania**

Supervising the mechanical and electric installations.

Carry out fault finding using engineering drawings and machine manuals, reactive maintenance on production & ancillary equipment , planned preventive maintenance on production & ancillary equipment, predictive maintenance procedures, improve machinery efficiency and reliability through modification and good engineering practices, undertake project work to improve machine performance, install new machines and equipment, decommission redundant machines and equipment, relocate machines and equipment.

Directed and coordinated activities in processing material and manufacturing product.

**Electrical Engineer**

**Period: July 2000 - June 2002**

**Company and location: Lukoil SA, Ploiesti, Romania**

Responsible for inspection of electrical field installations, witnessing verification of any ongoing field testing commissioning of the electrical equipment/apparatus being installed, for various building structures, mostly for the work being done by the electrical contractors Checking Inspection to verify conformance to the specification.

Terminations using approved crimp ferrules only The gland fit to be verified.

Check the gland kit for availability of locknut, earth tag, washer etc.

The cable tails are of the correct length and undamaged during stripping.

Where applicable, the lead sheath is tripped to the correct length and passes through the body of the gland into the enclosure Megger test of cable the steel wire armor is stripped to the correct length such that it mates with but does not protrude through the clamping ring.

Earth tag is fitted as required.

The outer sheath of the cable is contained within the gland. Checking the cables cores are correctly phased. The connections are secure and sheaths, the sheathing will be insulated. Where cables have lead sealed at this point.

The cable is wrapped and bound at the joint ports to provide a mechanical seal.

Check that there`s no damage to earthing and lightning protection system materials.

Check the type, size and rating of earthing and lightning protection materials and verify they are as per specifications and drawings.

Check that receiving inspection complete, Check the type, size and rating of earthing conductors for the plant main earth loop installed in accordance with AFC drawings and specifications

**Supervisor PRAM Laboratory and on high power installations for oil installations**

**Period: January 1983 - June 2000**

**Company and location: UPETROM 1 MAI SA, Ploiesti, Romania**

Department: Oil & Gas industry

Company activity field: Oil installations

Responsibilities:

In charge for the automation installation and also for the machine tools between 1983 & 1988.

Achievements: In charge for all activities regarding the supervising the activity in the PRAM Laboratory, the work with high power installation, maintenance on compress-air installations between 1988-1995

**Electrician on machines tools**

**Period: January 1976 - January 1983**

**Company and location: UPETROM Ploiesti, Romania**

Department: Oil & Gas industry

Company activity field: Oil installations

Responsibilities:

In charge for all operational activities of overhauling on machine-tools which are gifted with numerical control; usually overhauling in the electronic laboratory of these machine-tools. In charge for all operational activities of overhauling on electrical installations of machine-tools after a long period of working

Achievements:

During these period I was in charge with assembling of lights installations in new plants of the factory

**Education**

* University - Polytechnic Institute of Bucharest, Faculty of Electronics and Telecommunications (1975 -1979), BUCURESTI
* Major: Electronics
* High School / Vocational School
* High school "I. L. Caragiale" (1969 - 1975), Ploiesti
* Vocational School-"Electroprecizie" Sacele (1965 - 1969), Brasov
* 2015 ; **specialist in the field of health and safety at work**
* 2011: B.O.S.I.E.T. (**Basic Offshore Safety Induction and Emergency Training**) – valid until June 2009: Certificate for Specialised marine training in personal survival techniques (OPITO)
* 1990 – 1991 the **Romanian Institute of Psychology and Management**
* Skills
* Management experience: Yes,
* Driving license: Yes,
* PC knowledge : word, excel, power point,
* Technical skill, management and organizational skills,
* Good communications abilities, good team worker, flexibility and adaptability, open
* Mindedness, perceptiveness and curiosity, sense of humor, motivation, and self-reliance, strong self-sense.