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**Gary Lemon**

Writer, [www.cvxl.org](http://www.cvxl.org)

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 7 Aldergrove Drive, Easterside, Middlesbrough, TS4 3LY, England.

 UK Mobile:+44 (0)7939 297084*.* E-Mail: gary.lemon@hotmail.co.uk

 Linkedin Address: https://www.linkedin.com/in/gary-lemon-181/358/23

**Electrical & Instrument Technician**

(CompEx Trained, ATEX, IECEx & Cenelec Standards)

Professional Summary

A time served background in Electrical Installations and Instrument Systems. Have become a Highly qualified, proactive and accomplished E & I Technician and Inspector with over 25 years extensive experience within the Oil and Gas, both Onshore & especially Offshore, Petrochemical and Power Industries. Specialising in Construction, Pre-Commissioning, Commissioning Projects. Also contracted in various Preventative Maintenance positions working both as a Rig Electrician and Electronic Technician.

Notable Area’s of Expertise

|  |  |  |
| --- | --- | --- |
| * Electrical / Electronic Engineering
 | * Pre-Commissioning/Commissioning
 | * Cenelec Quality Standards
 |
| * CompEx (JTL) Hazardous Area
* \
 | * All types of Cold/Live CableTesting
 | * IEC 60079-17
 |
| * QC E & I Inspections lc. (
 | * Major Construction Installations
 | * ATEX 95 &137
 |
| * QA / QC Assurance
 | * Electrical Isolations/Procedures
 | * Permit to Work (PTW)
 |
| * Calibration & Loop Checking
 | * HASAW / Risk Assessments
 | * Troubleshooting
 |
| * Testing, Inspections and Supervision
 | * Computer Literacy(Word/Excel)
 | * Preventative Maintenance
 |

Professional Development

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| --- | --- | --- |
|  **Comp Ex (JTL) :**  | Hazardous Area Cert. (Ex01, Ex02, Ex03, Ex04).  |  Expires Jun 2018. |
|  **OPITO Approved:**  | Further Offshore Safety & Emergency Training plus Norwegian.  | Expires Apr 2018. |
|  **Medical:** **North Sea Certs:**  | UKOOA Medical Certificate (Expires Dec 2017), Plus Yellow Fever Cert. CA-EBS and MIST |  |
|  **NVQ Level 3:** | Electrical Installation’s and Safe Isolation of Supplies & Completion Diploma |
| **JIB x 3:** | Approved Electrician,Achievement Measurement Tests 1 & 2Electrical Installations Completion Diploma |
| **City & Guilds x 3;** |  i) Electrical Installation 16th Editionii) 2391-Inspection, Testing and Certification of Installationsiii) Electrical Installation Competences/Work Part 1, Part 2 & Part 3 |
|  **OJT/RMS II:** **Safety Passport:** | Transocean’s Training Module’s and RMS II courseCCNSG Safety Passport (Expires July 2019)/ECS JIB Gold Card (Expires 2020) |

Experienced and Acheivements

**E & I ATEX Commissioning Inspector** **Feb 2016 – Jan 2017**

 Sabic Ethane Terminal Samsung Whessoe Project.

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| * Carrying out all electrical and instrument installation inspections, point to point testing and commissioning; Paying primarily attention to all hazardous areas; Ensuring that all ATEX standard’s and project specifications are strictly adhered to.
* Was involved in all Loop Testing and pre-commissioning/commissioning of Electrical Instruments.
* Co-ordinated work packs and document control.
* Working closely with the client (Samsung) QC and engineering departments in redlinging all relevant documentation.

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Experience and Achievements (continued)

 **Lead Rig (RTO) Electrical Inspector** (Lead Ready to Operate Inspector) **Oct 2014 - Dec 2015**

Transocean (Singapore-Malaysia), Polar Pioneer, (a harsh environment, semi-submersible drilling rig).

|  |
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| * While the rig was undergoing a huge refit in Dry Dock, oversaw the installation that all 3rd party equipment within the project work scope, specification and Transocean’s own policies and procedures.
* Witnessing all cable tests and function test runs of all vendor supplied equipment or plant and to sign off all final documentation to verify acceptance.
* Ensured that all ATEX criteria, especially in Hazardous Area’s Zone’s 1 & 2 are strictly adhered too.
* Carried out all pre-commissioning/commissioning and completions work scope.
* Ensured all the systems on the rig’s new installations, complete overhauls, such as the Fire and Gas Detection System, Anchor Winches and the Drilling Package plus all the existing systems will be completely finished and Ready to Operate when the rig leaves Dry Dock and before it goes to sea for Inclination Tests and then on Contract with Shell in Alaska.
 |

**Senior Electrician and Electronic Technician**  **Apr 2014 - Oct 2014**

Senior Electrician (Angola) Maersk Deliverer – Cyber (6th) Semi-Submersible.

 Electronic Technician (Cameroon) Maersk Endurer– Conventional Jack-Up

|  |
| --- |
| * Carried out all daily checks, performed routine and non-routine tasks on an ad-hoc basis. Reported to the Maintenance

Supervisor* **On the Maersk Deliverer,** (a 6th generation Cyber-based Drilling Unit), the drill package was a TDs-8SA, supplied by a NOV rectifier / inverter, and a VSDS/VFD control system which was managed by a Power Management System (PMS).
* **On Maersk Endurer**,(a conventional Jack-Up), my duties included working with the company’s xRM & SAP programs. The Drill package
* consisted of a TDS-4S, AR3200 Iron Roughneck with the NOV fully interlocked Zone Management System (ZMS).
 |

**QA / QC E&I Inspector**   **Oct 2010 - Mar 2014**

Aker Solutions. Kashaghan Project, Kazakhstan

Agip/ENI. Kashaghan Project, Kazakhstan

* I was under contract with Agip/ENI on the Kashaghan Construction Experimental D Island project
* Monitored daily QA/QC on all E&I activities: Maintained quality and in accordance with the project design, specifications, international codes of practice and the local ROK legislation
* Duties included, liaising with mechanical completions and ICAT commissioning teams, completing all walk-downs before all systems were handed over to complete client satisfaction and to specification
* Co-ordinated the ‘Ex’ Hazardous Area equipment’s verification register, which entailed a total project survey of all the ‘Ex’ equipment and cross referenced with all the associated ATEX certification and completed any NCR’s.
* Invovled with DCRF (Document Control Requests) and ITR allocation with emphasis on ITR verification.
* Performed detailed ‘EX’ Inspections of the GT 101 & GT 201 Gas Turbines.
* Providing solutions for all Lloyd’s (IVB) NCR findings that do not comply with project specification.
* Ensured that equipment conformed to the project’s specification, ambient temperature and all ‘Ex’ specifications
* Previously under Aker Solutions, I was responsible for reviewing and generating all QA / QC documentation relating to construction, installation and pre-commissioning activities within all the modules, process areas and the piperacks
* Recorded all relevant as-built information on drawings and documents in liaison with the Engineering Department
* Also managed and trained a team of QA/QC Inspectors that included local Kazakhstan Inspectors
* Liaised daily with the project’s Document Technicians ensured all targets were met before handover
* Maintained a high standard of health and safety and adhered to the company’s ‘Safe-R’ policy.

**Chief Electrician**  **Jun 2009 – Sept 2010**

Songa Drilling (Malta), Songa Saturn (Drill Ship).

* Worked on an ad-hoc basis, my duties were but not limited too, reporting to the Maintenance Supervisor.
* Carried out aspects of maintenance, troubleshooting and repair on all electrical equipment onboard this drill ship.
* My Main objective was to oversee that all the major overhaul projects performed by many 3rd party companies were completed in a timely manner and more importantly completed to specification and in compliance within all Songa’s electrical policies and procedures. Also function tested the upgrades by the 3rd party companies before Songa adopted the systems.
* Responsible for, and involved in projects that included the DC motor propulsion system overhaul and SCR upgrades.
* When moored offshore in Malta, and before the sale of the asset to Petro-Saudi, I worked with the company’s preventative maintenance program NS5. This drill ship had the Marine TD system with AC motors VFD systems.
* I am accomplished in Inverter Drive Systems and Regenerative Drives.

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Experienced and Acheivements (Continued)

**Chief Electronic Technician**   **Nov 2009 - May 2010**

Maersk (Western Australia), Nan Hai VI (semi-submersible drilling rig).

* Worked on an ad-hoc basis, my duties were but not limited too, reporting to the Chief Engineer on a daily basis.
* Carried out all aspects of inspection, maintenance, including preventative maintenance.
* Troubleshooting and problem solving a range any electrical and electronic failures.
* The drilling package completed of NOV TDS-3S, Continental Emsco Drawworks and MuD Pumps driven by GE-752.
* Ensured all electrical equipment was operating safely and carried out all repairs in pursuance of PTW & TBT.
* Complied with the company’s preventative maintenance program SAP.
* Intiated, compiled and coordinated a detailed inspection register of all 'Ex' rated equipment in Hazardous Area’s for 10 yearly NOPSA inspections and de-classifying any equipment that were located in safe zones.
* Maintained ‘Ex ’equipment certifications by recording all deficiencies found and organising job notifications.

 **010 Rig Electrician**   **Jul 2009 - Nov 2009**

Transocean - 010 Rig Electrician (Galaxy II, Labrador- North Sea)

* Still whilst under contract with Transocean, I worked on the Jack-Ups Labrador, Galaxy II - a high specification drilling jack-up with Hydra Tong, Hydra Racker, Catwalk and Marine Top Drive system with AC motors and VFD system and Regenerative Drives.

**010 Rig Electrician**   **Dec 2008 - Jul 2009**

Transocean - 010 Rig Electrician (Sedco 700-Congo, West Africa)

* Still whilst on contract with Transocean, my duties were but not limited too, again to report to the Chief Electricianto carry out daily maintenance of a semi-submersible (Sedco700 and Sedco711) while safely conducting all PM’s, using the companies Preventative Maintenance program, RMS II.
* Worked with a National Oilwell Varco drill package which included a TDS-3H and Baylor Brake SCR units.
* Tested and commissioned all 3rd party installations before connection to the rig’s power & control systems and worked with the rig’s PTW system.
* Prepared routine and non-routine tasks in compliance with company policies, such as electrical isolations and lockout procedures and detailing TRAs before commencement of each task.

**010 Rig Electrician**   **Feb 2008 - Dec 2008**

Transocean - 010 Rig Electrician (Highisland V-Gabon, West Africa)

* Joined Transocean on a contract basis, Transocean’s 010 program was a Trainee Chief Electrician fast track internal program, my duties were but not limited to, to report to the Chief Electrician and to carry out daily maintenance of a Jack-Up (HighIsland V) while safely conducting all PM’s, using the companies Preventative Maintenance program, RMS II.
* Worked with a National Oilwell Varco drill package which included a NOV TDS-3H, National Tri-Plex Mud Pumps with GE-752 DC motors and Ross Hill SCR units.
* Tested and commissioned all 3rd party installations before connection to the rig’s power & control systems and worked with the rig’s PTW system.
* Prepared routine and non-routine tasks in compliance with company policies, such as electrical isolations and lockout procedures and detailing TRAs before commencement of each task.
* Familiar with Marathon Le Tourneau Jacking motors, jacking systems and LeTourneau hydraulic electric cranes (some with SCR conversions), Caterpillar engines with Kato generation and Ross Hill SCRs

**Electrical Technician - Woodgroup**  **May 2007 - Feb 2008**

Magnus (BP), Elgin (Total), Buchan (Talisman) and Clyde (Talisman) – North Sea

Whilst working as a Performing Authority in the ISSOW permit to work system on various platforms such as Magnus (BP), Elgin (Total), Buchan (Talisman) and Clyde (Talisman).

Also I was involved in the ‘shut-down’ work scope on all the platforms and the on-going construction work projects.

**Electrical Technician - Amec**  **Jan 2007 - May 2007**

Armada Hub (Talisman), Piper B (Talisman) – North Sea

Whilst working on the construction and hook-up of the ‘Maria module’, which included tie-ins of power, instrumentation and Intrinsically Safe (IS) cables. Glanding and termination. Also I was involved in the construction of Tweeds Muir Project which consisted of the testing and commissioning of electrical/instrument cables and Fire and Gas Detection Systems.

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Experienced and Acheivements (Continued)

**Construction Electrician - PSN**  **Mar 2006 - Dec 2006**

Claymore and Clyde platforms (Talisman) - PWRI Project

Working as Performing Authority in the ISSOW permit to work system Construction and installation of water re-injection and de-sander project . Glanding, termination and testing of all cables.

Completed safety courses in Working at Heights, Fall Arrest Awareness, Safe use of Ladders,

STOPDROP and Step change

**Approved Electrician - Dual Bound Ltd**  **Oct 1994 - Mar 2006**

1. Gained Approval status in 1994 following 2 years post qualification experience.
2. Originally employed to install various industrial and commercial projects
3. Working on own initiative
4. Team management whilst working as part of the team.
5. Use and interpretation of Working and Schematic Electrical Drawings.
6. Industrial and Commercial Electrical Installation Projects.

**Electrician – Haigh And Ringrose**  **Jul 1992 – Oct 1994**

1. Worked on various Industrial, Commercial and Domestic projects.
2. Working as part of team of 4 Electricians.
3. Re-fit of Middlesbrough General Hospital.
4. Construction and Installation of a ‘Retirement Home’.
5. Involved in the construction of a ‘KP Crisps’ Factory.

**Apprentice Electrician – Haigh And Ringrose**  **Sept 1988 - Jul 1992**

 4 Year Time Served Apprenticeship

1. Longlands Technical Training College
2. Items included in my J.I.B registered apprenticeship:

415/600v 3Ph/SPh Power Supplies

Fire Alarms, Security Alarms, Fire and Smoke Detection Systems S.W.A/braided cables with barrier/AX glands

M.I. Cabling / Uni-strut / Tray work / Steel Conduits

A.C and D.C Motors / Motor Control Circuits / Motor Maintenance

Fault Finding/Troubleshooting

Instrumentation / Loop Checking

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