
CURRICULUM VITAE

OF

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EngTech IChemE

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Date of Birth: 15/11/1976

Nationality: British

Career Summary

Over 20 years – Contractor / Subcontractor to Operator representative experience – Onshore & Offshore Projects – Working mainly with UK, Norwegian, European, Australian & American Directives, Standards and Regulations.

Locations Worked - UK, Norway, Switzerland, Germany, France, Italy, South Korea, China, Singapore
Locations worked on Rotation- Mainland Europe, South Korea, China and Singapore.

Scope of Onshore & Offshore Project Experience

Platform: – BP – Clair Ridge, BP / Perenco Southern North Sea

FPSO: - BP Quad204 (Glen Lyon); DANA Petroleum Western Isles.

Onshore: Gas Receiving & Storage – BP - Dimlington Gas Receiving and Treatment; Centrica - Easington Gas Receiving and Storage.

Oil Refinery: ConocoPhillips - Oil Refinery; Total - Lyndsey Oil Refinery;

Chemical: BP Chemicals - Saltend Hull; Nippon Goshei - Saltend Hull; INEOS Chemicals - Saltend Hull;

Power Generation: SSE - Ferrybridge 'C' Power Station; SSE - Keadby Power Station; DRAX - DRAX Power Station; International Power - CCGT Power Station;

Professional Qualifications & Related Training Courses

Hazardous Areas – ATEX

- Comp-Ex Units EX01, EX02, EX03, EX04;
- Mechanical COMP-Ex Unit EX11;
- IECEX Hazardous Area Classification;
- IECEX Hazardous Area Design;
- IECEX Hazardous Area Testing & Inspection;
- NORSOK Hazardous Area Training, TRAINOR Units: Ex01, Ex03, Ex04, Ex06
- Member of the Institute of Chemical Engineers – IChemE;
- Member of the Institute of Engineers & Technicians – MIET;

Regulatory Compliance

- DNVGL PED training for the implementation of Directive 97/23/EC;
- DNVGL EU Directives training and specification:
- Low Voltage Equipment 2006/95/EC;
- Electromagnetic Compatibility 2004/108/EC;
- Machinery Directive 2006/42/EC;
- Marine Equipment Directive 96/98/EC;
- CE Marking Directive 93/68/EC;
- Simple Pressure Vessels (SEP) 2004/108/EC;
- Radio and Telecommunications Terminal Equipment 9/5/EC

Health, Safety & Environmental

- Shift First Aider BP Chemicals, Saltend Hull;
- Shift Lead Supervisor BP Chemicals, Saltend Hull;
- BP BOSS system, GPO HSE processes & BP Golden Rules;
- Shift Supervisor SSE;
- SSE Stop Card Process;
- Basic Offshore Safety Survival Induction & Emergency Training & MIST – HOTA, Hull.

General

- Chemical Engineering Degree (currently studying);
- Process Chemistry (Bridging Module);
- Engineering Maths (Bridging Module);
- Electrical HNC;
- Time served Technical Apprentice – HETA, Hull (BP Chemicals, Saltend Hull).

EMPLOYMENT HISTORY



January 2015 – July 2016

August 2016 – Present -Took over as ATEX Lead

DANA Petroleum (Located in Qidong – China)

FPSO Site Regulatory Compliance Engineer

FPSO – Western Isles Development Project - UK North Sea

(PROCUREMENT / CONSTRUCTION STAGE) Member of the Duty Holder DANA Petroleum China Team based in the COSCO Shipyard, China. I worked on the “new build” FPSO until handover to Operations - The new FPSO is designed using Sevan Marine's technology.

Main duties: Assist with Project Regulatory Compliance Plan (RCP) and closely monitor the RCP of the Main Contractors.

Monitor the submission of regulatory compliance documentation and control the EU Directive Tracker.

Coordination

- Liaise with the FPSO Delivery team and the Major Package Vendors, to control the EU Directive Tracker and COSCO CMC Tracker (Certification of Materials and Components). This ensured the requirements of the EU Directives, primarily PED, ATEX, EMC, LV, LOLER, Lifts, PUWER and the Machinery Directive, are adequately specified across Main Contractors, and Vendors Purchase Orders. Monitor all Procurement activities and ensure all purchased items were delivered on time and according to the precise specifications.

Meetings

- Represent Dana FPSO Delivery Team at relevant Weekly/Bi-Weekly Meetings between Dana FPSO Delivery Team, COSCO, and DNV.
- Attend Contractor Procurement Meetings for Long Lead and Major Equipment and Material Packages to ensure correct application Regulation and CE Marking as required.
- Proactively Track and Expedite to completion any open actions from relevant meetings, that were attributed to the FPSO Delivery Team, COSCO, DNV or Vendors.
- Proactively engage to close outstanding actions from COSCO, DNV or Vendors.

Vendor Interface

- I interfaced with COSCO, DNV and the Vendors for Compliance Deliverables.
- Ensure COSCO have conveyed to the Package Vendors the Regulatory Compliance requirements and that the Package Vendors understand the requirements to incorporate this into their Design, Manufacturing, Fabrication and Testing activities.
- Ensured Package Vendors provide Product type approval/certification and EU conformity.
- Ensured Vendors perform an examination, including testing where appropriate and specified plant by independent and competent persons and records maintained.
- Examination of any design, specification, certificate, CE marking or other documents, marking or standard relating to the Vendor Package.

Other Responsibilities

- Support the Project UK IVB (DNV) contract Company Representative by ensuring the site implementation of the company Safety Critical Elements, supporting Performance Standards and IVB verification scheme (design, procurement, construction and commissioning).
- Support the Environment Lead with regards to the PLANC Register.
- Assisted DANA, CONTRACTOR and VENDOR Engineering Teams with a sound understanding of UK HSE requirements to Identify Major Accidental Hazards MAH, SCE's and the need for Performance Testing through the Written Verification Scheme.
- I was the Duty Holder of all Procurement Trackers; these were used to expedite outstanding items, and also to press for swift delivery of any long lead items to ensure they were on site when the installation schedules required them.

October 2011 –December 2014

BP GPO – Ulsan South Korea.

ATEX Coordinator.



FPSO – Quad 204 Project (Glen Lyon) – UK, the North Sea Platform - Clair Ridge - UK North Sea

(CONSTRUCTION / Completions STAGE) ATEX Coordinator reporting directly to both Project General Manager and QC Manager, I was embedded within the QC Team where I was responsible for delivering ATEX compliance on the HHI Yard work scope for both BP Clair Ridge and Quad 204 projects, including the integration of all Vendor and CPI packages.

- Ensured the Master Ex register was populated correctly and that the relevant ATEX certificates were available for COMPANY to upload into COMPANY database, along with supporting documentation, engage with Engineering Team, where required.
- Ensured all relevant documentation is submitted by the contractors and in full compliance with ATEX requirements. The Ex certificates and initial inspection documentation shall be available for uploading into the BP's document / GOC database engage with Engineering / Commissioning Team, where required.
- Engaged with BP/Contractor Engineering/QC teams to assist with definition of the ATEX scope in line with Contractor and CPI project milestones.
- I Confirmed availability of Contractor ATEX strategy/procedure, reviewed and identified any potential gaps between Company Procedures.
- Engaged with QA and Regulatory Compliance teams to ensure compliance with ATEX directives and associated Standards (IEC60079), Specifications, and Contract specific project requirements.
- I Oversaw and inspected the suppliers' and FPSO contractor's work to ensure it complies with the Project's ATEX requirements; intervene where necessary and identify the need for additional training.
- Managed team of site inspectors, planning and directing work scope. Responsible for identifying inspection resource requirements and in recommending the sub-contracting of third party support to supplement the team.
- Coordinated and audited QC Ex Inspections and ensured timely build quality surveillance visits were carried out at all vendor work locations.
- Feedback to Construction team where systemic non-conformances were observed, during unscheduled inspections, recommending updates to Contractor Mock-up container.
- Issued, update and follow-up non-conformance and corrective action reports, etc.
- Reviewed quality plans, procedures and Inspection Test Plans (ITP) correctly define the requirements and, in particular, the hold point where COMPANY shall witness the work.
- Reviewed to ensure that inspection/test reports, corrective/preventive action reports, correctly, etc.
- Performed quality and vendor qualification audits to ensure the supplied items comply with the Clair Ridge and Quad 204 requirements.
- Maintained a register of COMP-Ex trained personnel permitted to work on Ex equipment at each location.
Compiled quality related documents for the issue to the contractor; perform ad hoc procurement activities, etc.
- I ensured applicable GOC Ex check sheet are correctly completed in accordance with the GOC gate requirements (at VMC1, IRN, MC and SH1), to verify the Company's Hand-over acceptance criteria were complied with.
- I ensured contractor maintains their current stage 1&2 ATEX training. Conduct regular observations on this training and ascertain suitability for contractors ATEX installation work scope

REGULATORY COMPLIANCE ENGINEER & ATEX LEAD ENGINEER (HULL & TOPSIDES)

Oct 2011 – Sept 2013

ATEX Coordinator

BP GPO Singapore, London.



FPSO - Quad 204 Project (Glen Lyon) – UK - North Sea

(FEED / PROCUREMENT STAGE): ATEX Coordinator working upon the closing FEED stage of the project in Singapore, before transferring to the PROCUREMENT stage in South Korea

- Worked with the client's package delivery Engineers and the QA departments to ensure all specified equipment was compliant and that any deviations do not contravene the Q204 ATEX procedures. Upon starting the project I took over the control of all ATEX documentation, I wrote the Q204 ATEX Specifications & Procedures and where required revised and amended existing documentation to ensure fluency and clarity remain amongst related project documents.
- Travelled extensively to Vendor and CPI Package sites across Europe and Asia, to verify BP's high quality was achieved throughout Procurement, Design and Construction stages of the Quad 204 project.
- Responsible for evaluating all CONTRACTOR (HHI) Training and Competency related to the installation and inspection of ATEX certified equipment within the HHI Shipyard in Ulsan. I took the lead role in reviewing and approving all CONTRACTOR verification documents for ATEX compliance before Engineering Managers released any equipment/packages for integration upon the FPSO.

Sept 2009 – October 2011.

FES-Ex Hazardous Areas Consultants - UK

ATEX / ELECTRICAL DESIGN CONSULTANCY ENGINEER

- Visited numerous client sites consulting and advising them upon all ATEX & DSEAR requirements, these included Power Stations, Chemical Plants and Oil Refineries. Ranging from a small query or more involved work such as advising them on the correct procedures to partake in before and during a major project starts to ensure smooth running and total compliance at the project end. I designed and reviewed electrical drawings. Other duties included but were not limited to Inspection, Verification & Document Control.
- I was responsible for reviewing the Inspection results and reported deviations found on an inspection project carried out by a third party inspection company. The client being unconvinced with the integrity of these results found on 2 Gas turbine enclosures within a CHP Power Station and asked me to review and validate these.
- I advised GE on ATEX design during the installation of 4 DLN Gas skids. The 4 DLN Gas Skid were installed onto an existing Gas Turbine Power Station. Included in my duties was to deliver full compliance with all ATEX requirements. Proving technical and mechanical activities were delivered with all substantiating documentation proving their integrity. Further duties included; Reviewing and assisting in the compilation of all QA procedures and plans. Developing and updating all site drawings and equipment registers.
- Simultaneously coordinated 2 Detailed ATEX Inspection projects;
 - BP, Saltend Chemical Plant.
 - Total, Lyndsey Oil Refinery (LOR).

I was the Project Engineer delivering all ATEX Design, Inspection and Verification routines. After which I would work with the clients to advise mitigation and remedial works for any non-conformances', as well as advising them of re-inspection schedules and grades of inspection to assist with ongoing compliance while assisting with minimal production downtime.



April 2006 – October 2009

Scottish & Southern Energy

ATEX / DSEAR ENGINEER

Ferrybridge 'C' Power Station, Keadby Power Station, Fiddlers Ferry Power Station

- Responsible for ensuring all works and activities within hazardous areas at several Scottish & Southern Energy sites where compliant with all the relevant standards in BS 60079. During which time I was assigned to agree and develop the scope and extent of the Inspections to be carried out. Once the inspections were complete, I would advise on the appropriate actions required to deal with any non-conformities.
- Carried out all Verification duties checking all the specific certification of equipment and apparatus for compliance with the relevant standards, ensuring these are all complete and able to demonstrate the technical integrity of the installation. Once these were proved, I'd then assemble the relevant Dossiers and folders, and As-built drawings. I would write all method statements, risk assessments together with work control documents. I had a team of 6 E&I Technicians assigned to me, whom I would coordinate to carry out the work scope which I was managing.
- Responsible for developing the first Hazardous Area equipment register on numerous sites and provided the template of all current SSE ATEX Equipment Registers and Explosion Protection Documents (EPD).

January 2006 – April 2006

Watson Norie Ltd (Nippon Goshei, Saltend, Hull):

E&I ATEX Project Lead

E&I ATEX Lead on an ATEX Inspection project; this was carrying out detailed inspections on 100% of ATEX certified pieces of equipment throughout the Nippon Goshei site. During this I had to organise and plan with the client areas to be handed over to inspect, and placed under a Permit to Work (PTW) control system, this included both day and night shifts.



May 2004 – December 2005

Watson Norie Ltd (Conoco Phillips Refinery, Immingham)

E&I SUPERVISOR

E&I Supervisor coordinating various Electrical Projects around Conoco Phillips Oil Refinery, including Inspection; Maintenance and Installation Projects. Specifying and advising on materials to be used within the Hazardous Areas around the Refinery was a role in which was entrusted upon me.





November 2003 - May 2004

East Midland Instruments (Drax Power Station)

ELECTRICAL SUPERVISOR: Duties included carrying out supervision the electrical installation on a Water Treatment Project. Supervising the installation of such items as cable tray, medium and high voltage armoured cables Installation of MCC panels, with 415volt switchgear. Within my tasks was obtaining work documents from site Engineers and ensuring all works where completed to spec. Once complete I had to compile Task Documents and Drawings. After the Water Treatment Project was completed I stayed on for a while undertaking various activities including, but not limited to ATEX Inspections.

February 2003 – May 2004:



LECTEC (Centrica, Gas Receiving & Storage, Easington)

ATEX Installer / Inspector; I was responsible for carrying out Installation and Inspection of ATEX certified equipment installed within Hazardous Areas.

May 2000 – February 2003:



BP Chemicals (Saltend, Hull)

E&I TECHNICIAN / SUPERVISOR: Carried out various planned maintenance routines around the Chemical Plant, also carried out repairs and rectifications where required. I became a member of the MEAPEA Team, carrying out all inspection and verification duties for ATEX certified equipment in Hazardous Areas.

Lightening Electrical (Saltend CCGT, Hull) November 1998 – April 2000:

E&I TECHNICIAN; I worked upon the construction of a 3 Unit GT Power Station 1200MW. I started here as an E&I Technician then soon became an E&I Supervisor. During this time I got involved with the inspection of ATEX certified equipment installed within Hazardous Areas.

July 1993 - November 1998:

HETA – BP QUARTZ COURSE (BP Chemicals - Saltend, Hull)

TIME SERVED TECHNICAL APPRENTICE