

# Andrew McArthur MIET – Construction Supervisor

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**Nationality:** British  
**Marital Status:** Married – Two Children.  
**Date of Birth:** 16-12-78

Full UK driving license (no penalties)

**Offshore / Vantage Info:** Vantage No - 0947529  
Medical expires Sept 2018  
RGIT/FOET valid till October 2019

## Professional Description

Experience extends from hands-on construction, commissioning and maintenance through to supervision. Offshore and onshore projects have included locations in the UK, Australia, Thailand and Azerbaijan, whereby supervision and management of various nationalities' achieving completion of projects in an efficient, timely and safe manner whilst ensuring project specifications. Tasks have included management of small to large multidiscipline teams, engineering assistance, work pack compilation/execution, planning, human resources, workplace health and safety, permit to work systems, materials/procurement, QA/QC, FAT's, witness test / acceptance, handover procedures, training and client/contractor liaisons. High level of mechanical experience in respect of piping ISO's, PFD's, P&ID's and heavy lifting / rigging operations. Member of the Institute of Engineering Technology  
Held an Australian Department of Defence ID for three years.  
In various electrical roles I have been designated Authorised Person and Isolating Authority following assessment.

## Qualifications / Course

Joint Integrity / Flange Management for supervisors  
City and Guilds 236 Electrical theory pt. 1 & 2  
City and Guilds 236 pt 3 - technicians 'C-Course'  
AM2 Electrical exam  
NVQ Lv3 Electrical Installation and commissioning  
Safe working in confined spaces 3 day  
City and guilds 2391 inspection and testing  
17<sup>th</sup> Edition – IEE wiring regs  
CompEx Hazardous area units 01-04 (Gas) & 05-06 (Dust)  
NEBOSH certificate  
ISSOW, Performing Authority, Level 2 Risk assessor and auditor  
eCoW permit system  
First Aid at Work (3days)  
HNC electrical/electronic engineering  
OPITO Authorised Gas Tester including confined spaces

## Employment History

### **September 2017 to Present - Bilfinger UK – E&I Superintendent**

Currently on-going with the maintenance TAR shutdown at Lyondellbasell Chemical work. Role responsibilities include management of 30 E&I technicians and assigned site supervisors. Typical activities include removal of Ex motors for overhaul – detailed inspections of cables and Ex equipment, thermal overload injection testing and remedial works where required. Control valve removal for overhaul, calibration of field devices in situ. Re-commissioning for required function checks typically rotation checks, SIL checks and ATEX inspections. Shutdown is scheduled for completion early March 2018

### **April 2017 to September 2017 - Orbital Gas System – Site Manager**

Tatsfield AGI for client Southern Gas Network as principle contractor for the upgrade of the existing metering system. The existing single stream, orifice plate and metering arrangement is to be replaced for an independent twin stream, class 1 Ultrasonic flow metering skid with conditional based monitoring data, independent temperature and pressure devices. The project involves installation of. Project responsibilities:

Induction, confirm competencies, stakeholder reports, planning and coordination, review and accept risk assessments and methods statements, management of change to any design, asbuilt drawings. Supervision of mechanical and electrical technicians. Ensuring health and safety legislation is followed and company QA procedures are adhered to.

### **October 2015 to December 2016 - RDS engineering - Project Engineer**

Major/minor brownfield projects for drilling platform's Central Azeri and Shah Deniz Alpha. Ensuring project requirements are fulfilled in line with BP Rig Engineering, BP wells and approved costing's. Review of discipline engineers design briefs and CTR's, through to client approval. Interface with vendors, operations and maintenance departments throughout project lifecycle. Chairing of engineering kick off meetings and design reviews through to final 'What If' risk assessments prior to construction phase.

A recent successful project example was the EDR Riser Less Mud Recovery system involving a critical path time scale through to handover with very positive feedback from the client. Hook up of a primary and secondary 10Te subsea winches inclusive of required utilities for seawater cooling, submersible subsea pumps and the control cabin containers. Typical minor projects ranged from ABB switch panel upgrades during TAR shutdowns, LP and HP replacement pipework on all systems typically CRI, potable water and hydraulics.

### **July 2014 to October 2015 RDS Engineering - Onshore Construction Coordinator**

Responsible for offshore construction engineering on the drilling equipment set and drilling support modules. While predominantly electrical bias, experience and knowledge extend to the piping, mechanical and structural disciplines incorporated within both drilling and process systems. I was responsible for full project execution from work pack compilation and hand over to the client across all disciplines working within the RDS structure. Offshore mobilisations as and when required for supervision of commissioning activities ensuring 3<sup>rd</sup> party and vendors activities completed. Review and acceptance of as built work packs, inclusive of GOC, commissioning test procedures, red line drawings and P&ID's

### **December 2010 to July 2014 RDS Engineering - Offshore Construction Supervisor**

Supervision of upgrades to drilling facilities including - Engine Room, SCR, Doghouse and BOP control system. Supervision of E&I technicians, pipe fitting, structural and vendor engineers all to work pack requirements and handover to GOC certification. Projects included, a large cable replacement program executed during normal drilling activities with over 58km of power, instrumentation, telecoms and F&G detection cables. Another high profile project was the BP Chirag re-investment program involving a complete drilling package upgrade. Further

responsibilities included coaching of junior construction supervisors, red line drawings, coordinating sub-contractors, implementation of commissioning, documentation sign off, daily / weekly progress reports through to 3<sup>rd</sup> party contractor assessment and appraisals. Supervision of construction teams from small teams of rope access technicians through to larger projects of up to 30 men typically E&I Techs, Lv 3 Riggers, Pipe Fitters, Platters, Load test engineers and 3rd party vendors

**August 09 to December 2010 – SKN - Offshore Construction Supervisor**

Various construction projects involving but not limited to electrical and instrumentation scopes of work predominantly in drilling areas. LV / MV hook ups, inspections / Installations at height, all working to KCA work packs and commissioning to BP GOC standard.

**May 09 to August 09 - Aker Solutions - E&I Foreman.**

Dunlin Alpha platform, 2/2 Rota North Sea

Working with the engineering dept. on the fire & gas installation for drilling package refurbishment, duties, included permit preparation as performing authority and supervision of switch gear up grades in active switch room, containment install and commissioning, testing and function checks to AKER GOC requirements – Number of men managed was upto 6

**Oct 07 to June 09 - CTS Group - E&I Technician.**

Hazardous areas ATEX inspections including site surveys and co-ordination of remedial work for E&I installations, including ordering of materials, authorized person for safe isolations, permit to work writer and acceptor. Projects include CIBA/BASF petrochemical plant Bradford, Rohm & Haas Dewsbury and TOTAL bitumen Preston. Designated Authorised person and isolating authority

**April 07 to Oct 07 - Fabricom Suez - E&I Technician.**

Nedcalco Trafford Park – Electrical and instrumentation installation work, including containment, Ex equipment, panel terminations, various SWA, control, I.S. cables and pre commissioning

**Jan 07 to April 07 - EMCOR - Electrical Commissioning Tech.**

Manchester university science research unit, Commissioning - testing and inspection of mains, sub mains and final distribution circuits. Supervision of remedial work required.

**August 06 to Jan 07 - Balfour Kilpatrick - Approved Electrician.**

Onshore construction, installation, inspection and testing on medium to large projects

**February 06 to August 06 - Phoenix Electrical - Electrical Commissioning Tech.**

Wembley stadium, inspection and testing of the main LV electrical installation, sub mains, lighting control modules and distribution circuits. Authorised electrical person with full access to all switch rooms.

**July 2005 to February 06 - Leek Electrical Installation Technician.**

Duties included the design and install of HVAC control systems, trace heating, control panel wiring, commissioning and coordinating project requirements. Industrial installations to a high standard were required as normal

**January 2005 to July 2005 - Lourne Stewart - Approved Electrician.**

Salford University medical. Jobs included containment, distribution board and panel terminations.

**June 2004 to 2005 - Cross Services - Electrician.**

Astra Zeneca RA project. Various electrical installation duties, plant room and hazardous areas location as well as sterile medical labs.

**July 2000 to March 2004 – Allied Technologies, Sydney, Australia - Site Supervisor.**

Sydney 2000 Olympics, RAAF, Navy and other Departments of Defence. Duties included job surveying, requisition of equipment/materials/tools, supervision and assessment of installation technicians. Projects personally managed include secret LAN fibre network on the HMAS Newcastle frigate ship at Garden Island Naval base – working in restricted and secret locations. A wide range of services and duties including Electrical and UPS installations, Cat 5e/6 networks to Aus DoD standards.

**November 1999 to March 2000 - Heyday Group, Sydney, Australia - Electrician.**

Installation duties – small power, containment, plant room installation & lighting. Projects on Toyota showroom and 400 George St in the CBD (city business district)

**June 1995 to April 1999 - Hirst & Danson Electrical Apprentice/Electrician.**

Electrical and Mechanical company constructing in all aspects of electrical installation - Fire alarms, various containment & cable management, SWA, plant controls and lighting controls. Completed modern apprentice with further duties including supervision of small projects, organizing materials and running of projects.