

Professional Profile

I am a time served Mechanical Technician with many years of post-apprenticeship experience within the Oil & Gas / Petro-Chemical industry. I have covered all aspects of Mechanical Engineering e.g. routine maintenance, commissioning, major overhauls and breakdowns to name just a few. I consider myself to be a competent, proactive and a highly motivated technician with a professional, positive attitude to industry. I am an enthusiastic, self-motivated, reliable, responsible and a hard-working person. I am a mature team player and adaptable to all challenging situations. I work well both in a team environment as well as using my own initiative. I work well under pressure and adhere to strict deadlines.

Core Skills

- High standards of safety health and environment awareness.
- Experience of preventative, predictive and reactive plant maintenance.
- Leadership role throughout major overhauls of large-scale assets.
- Analytical, fault diagnosis and technical problem-solving skills.
- Knowledge of commissioning and quality processes.
- Highly focused, with a proven track record of consistent achievement.
- Excellent organization skills and ability to work to my own initiative.
- Knowledge of high-pressure processes including various mechanical sealing systems.
- Highly conversant in computer applications - Microsoft Office etc....
- Incomparable knowledge of Pressure Safety / Relief valves – Conventional, Pilot, Vacuum, Manual & Actuated.
- Non-Destructive Testing - ASNT Level 2 UT, PT & MT.

Qualifications/Skills

- BOSIET. Cert # 98475700231112297 – EXPIRED.
- MIST. Cert # 9847530120111289 – EXPIRED.
- Medical (including Audiometry). – EXPIRED.
- Norwegian Escape Chute. Cert # 231112435 – EXPIRED.
- Offshore First Aid (HSE). Cert # 5063477 – EXPIRED.
- Compressed Air Emergency Breathing System Training. Cert # 02859022907143380984.
- HDA Initial Training. Cert # 1370191109131116153.
- HAD & HERTM Further Training. Cert # 0257024020615846214 – EXPIRED.
- Donut Emergency Escape Training. Cert # 13857-9 – EXPIRED.
- Dangerous Goods by Air – Offshore Helicopter Operations – EXPIRED.
- Banksman and Slinger (Stage 1). Cert # 0289067190214061456 – EXPIRED.
- Small Bore Tubing. Cert # 5517 – EXPIRED.
- Offshore Lifeboat Coxswain. Cert # 1351501109141126165 – EXPIRED.
- TYCO Pressure Relief Valve Training. Cert # CT 6382/3 – EXPIRED.
- TYCO Pilot Operated Pressure Relief Valve Training. Cert # CT 6422/1 – EXPIRED.
- Vantage Card # 0923892.
- CCNSG Site Safety Passport. Card # 5020905441

My offshore certification has expired as you can see above but I still retain the knowledge from the training, and I am more than willing to re-obtain the certification if necessary.

Career Summary

➔ March 2021 - **FREELANCE**: Virasel Valve Solutions – Mechanical Technician / Fitter

BWSC Biomass Power Station - Cramlington

- Inline Dissassembly, Inspection, Overhaul, Reassembly of:
 - Copes Vulcan Products
 - Globe Valves
 - Masoneilan Products
 - Relief Valves
 - Wedge/Gate Valves
 - Safety Valves
- Inline Recommission of:
 - Auma Electric Actuators
 - Masoneilan Pneumatic Actuators
 - Copes Vulcan Pneumatic Actuators
 - ABB TZIDC Positioners

➔ February 2021 - **FREELANCE**: HB Services – Mechanical Technician / Fitter

Heineken Site Outage - Manchester

- Removal, Overhaul, Commission and Re-Install of Masonelian CamFlex Control Valves.

➔ August 2020 – December 2020 - **FREELANCE**: HB Services – Mechanical Technician / Fitter

Drax Power Station, Selby - Unit 3 Outage & Connah's Quay Power Station, Wales - Unit 3 Outage

- Disassembly, Inspection, Overhaul & Reassembly of:
 - Parallel Slide Valves
 - Non-Return Valves
 - Gate Valves
 - Safety Valves
 - Globe Valves
- Disassembly, Inspection, Overhaul & Reassembly of Control Valves Including:
 - Masoneilan Products
 - Rotorq IQ Actuator Commissioning
 - Limitorque L120 Actuator Commissioning
 - Auma SA Actuator (With & Without AC Controller) Commissioning
 - Siemens SIPART PS2 Positioners - Automatic & Manual Commissioning
- Inline seat reconditioning to High Specifications Using Specialist Equipment:
 - Larslap FL
 - Efc0 SL-Series

➔ February 2016 – Present – Working remotely since COVID19

➔ **FREELANCE**: SGS Serviços Angola SA - Valve Division Supervisor

Management of maintenance / calibration teams based onshore & offshore. I am currently based in Luanda, Angola on a 28/28 rotation.

Key Responsibilities

- Supplying technical expertise to onshore, offshore teams as well as directly to the clients.
- Instrumentation calibration Management.
- Planning and organization of preventative maintenance.
- Writing of overhaul and in-line testing procedures.
- Interfacing with oil & gas clients.
- Training of workforce.
- Maintaining workforce standards to ASME & API.
- NDT Trainee/Technician.

- Achieved my NDT ASNT Level 2 UT, PT & MT qualifications.

STEVEN SIMPSON | Mechanical Technician / Fitter

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➔ June 2013 – February 2016

➔ **FREELANCE:** Perenco UK: Leman Gas Field - Offshore Mechanical Technician

Whilst based on the Perenco UK's Leman 27 Alpha platform (14 on / 14 off rotation) I was involved in routine and breakdown maintenance on the main platform as well as being responsible for other Perenco UK assets such as:

- 27Bravo
- 27Charlie
- 27Delta
- 27Echo
- 27Foxtrot
- 27Golf
- 27Hotel
- 27Juliet

Key Responsibilities

- Maintenance on all aspects of mechanical equipment, planned & corrective.
- Platform intervention for process start-up & shutdowns after plant process failure.
- Diesel engine driven generator maintenance.
- Updating records for maintenance on safety and non-safety critical equipment.
- Day to day maintenance of gas plant working within hazardous areas and conforming to customer procedures.
- P&ID Line walks and red line updates for pipeline commissioning. Verify Piping is Installed per P&ID Documentation (piping material/pressure classification, welding/solder, size, insulation, supports, slope, routing) Verify all Valves, Devices, and Instrumentation are provided and properly Installed. Verify piping leak/pressure testing, piping systems were flushed and filled.
- Team member of the Helicopter Operations Team.
- Management PSV calibrations & advise on potential upgrades to valves and systems.
- Commissioning of new systems including hydraulic, pneumatic, mechanical & electrical.
- Designing SIRP compliant isolations & auditing of existing isolations.

➔ March 2009 – June 2013

➔ **Tyco Flow Control - On/Offshore Mechanical / Valve Supervisor**

Supervising the repair & maintenance of plant critical safety equipment (Pressure Safety / Relief Valves).

Key Responsibilities

- Traveling offshore & overseas to attend maintenance, overhauls and shutdowns:
 - Belford Dolphin - Indian Ocean
 - BP Skarv – Norway
 - BP Andrew - North Sea
 - BP Bruce - North Sea
 - TAQA North Cormorant – North Sea
 - ENSCO 100 – Hartlepool.
- Performing maintenance programmes on a wide range of mechanical equipment, pumps, valves, gearboxes, rotating equipment.
- Produce quality build plans and overhaul procedures for various equipment.
- Generate detailed shutdown specification work-scopes to ensure accuracy of planned outages.
- General maintenance, breakdown and major overhauls of site equipment.
- Preventative maintenance, fault finding and overhauls of various size valves.
- Route Cause Analysis and Cause Mapping Failure Analysis of various equipment.
- Provide mechanical technical support to the onshore & offshore management team.
- Producing equipment maintenance history and records logs to customer requirements.
- Carrying out safety audits to ensure maximum safety standards are achieved.
- Carrying out inspection routine maintenance to process relief streams and recertification of Pressure Safety Valves (PSV's).

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➔ **May 2007 – March 2009**

➔ **Kings Control Services - On/Offshore Mechanical / Valve Technician**

Attending various site locations for the breakdown, repair, maintenance and fault finding of valves.

Key Responsibilities

- Supervisory role during specialist maintenance and overhaul of site equipment.
- General maintenance, breakdown and major overhauls of site.
- Preventative maintenance, fault finding and overhauls of various size valves.
- Carrying out safety audits to ensure maximum safety standards are achieved.
- Day to day maintenance of chemical plant working within hazardous areas including Inspections and overhaul of safety relief systems.

➔ **December 2006 – May 2007**

➔ **Moore Control Equipment - Onshore Mechanical / Valve Technician**

Attending various site locations for the breakdown, repair, maintenance and fault finding of valves.

Key Responsibilities

- As above.

➔ **February 2005 – December 2006**

➔ **Industrial & Marine Hydraulics - Mechanical / Hydraulic Technician**

Attending various site locations for the breakdown, repair, maintenance and fault finding of hydraulic systems.

Key Responsibilities

- Lead Mechanical / Hydraulic Technician for all aspects of site maintenance.
- Traveling overseas to attend maintenance and overhauls.
- Supervisory role during specialist maintenance and overhaul of site equipment.
- Dealing with reliability issues daily and implementation of improvements and equipment upgrades.
- General maintenance, breakdown and major overhauls of site.
- Preventative maintenance, fault finding and overhauls of various systems.
- Commissioning of new hydraulic and pneumatic systems.

➔ **March 2003 – February 2005**

➔ **Dunlop Hi-Flex Fluid Power - Mechanical / Hydraulic Technician**

Attending various site locations for the breakdown, repair, maintenance and fault finding of hydraulic systems.

Key Responsibilities

- Attending breakdowns of hydraulic systems.
- Management of the stock levels for the mobile response unit.
- Interaction with clients.
- Fault finding and rectification of plant.

Education

September 1999 – September 2003

TTE Technical Institute

Mechanical Technician - Advanced Apprenticeship (AA) Sponsored by Dunlop Hi-Flex Fluid Power

Throughout my four-year AA as a mechanical technician I covered a whole range of in-depth engineering training which included.

- Pumps and Valves, Gears and Bearings.
- Pneumatics and Hydraulics, Electrical and Instrumentation.
- Welding and Fabrication, Lathes, Milling and CNC Machining.
- Plant Process Operation & Business Operations / Management.

Technical Training Placements included.

- Dunlop Hi-Flex Fluid Power March 2003 – February 2005.
- Wilton HQ Research & Development June 2001 – June 2002.
- SSI Power Station (Formerly British Steel) September 2000 – March 2001.

Professional Qualifications

- NVQ Level 3 – Engineering Maintenance. Cert # 13424840:
 - ENR/101 – Establishing Work Requirements.
 - ENR/103 – Communicating and Self Development.
 - ENR/106 – Diagnosing Faults in Equipment.
 - ENR/107 – Returning Equipment to Service by Replacing Components.
 - ENR/125 – Re-assembling Mechanical Equipment under Complex Conditions.
 - ENR/129 – Dismantling Mechanical Equipment under Complex Conditions.
 - ENR/145 – Reinstating the Work Area.
 - ENR/160 – Repairing Components on Mechanical Equipment.
 - ENR/195 – Inspecting Mechanical Products.
 - ENR/214 – Maintaining the Condition of Mechanical Equipment under Complex Conditions.
- City & Guilds – Engineering Systems Maintenance Part 3:
 - Machine Tool Systems Technology.
 - Machine Tool Systems Practical Qualifying Task.
 - Pipework Maintenance Technology.
 - Pipework Maintenance Practical Qualifying Task.
- City & Guilds – Engineering Systems Maintenance Part 2:
 - Hydraulic Systems Technology.
 - Hydraulic Systems Practical Qualifying Task.
 - Mechanical Maintenance Process Technology.
 - Mechanical Maintenance Processes Practical Qualifying Task.
- City & Guilds – Engineering Systems, Power Transmission.
- City & Guilds – Engineering Systems, Maintenance Competencies.
- City & Guilds – Basic Engineering Competencies.
- City & Guilds – Process Plant Operations (Part 1):
 - Instrumentation and Control.
 - Plant and Plant Services.
 - Materials Processing – Solids.
 - Materials Processing – Liquids/Gasses.
- Non-destructive Testing: ASNT Level 2 – Ultrasonic Testing (UT). Cert # 121012017.
- Non-destructive Testing: ASNT Level 2 – Penetrant Testing (PT). Cert # 123012017.
- Non-destructive Testing: ASNT Level 2 – Magnetic Particle Testing (MT). Cert # 122012017.

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