

Rhodri Morgan

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D.O.B – 10/03/1983

Personal Profile:

My current role is within the machinery safety division of TUV-SUD UK carrying out POWER and Functional safety assessments to the applicable standards along with CE marking and also carrying out CE audits along with DSEAR assessments, Ex protection equipment inspections and Ex protection consultancy. I have now been appointed as the only Technical Expert for Ex-Protection within TUV-SUD in the UK for Explosive Atmospheres and have been tasked with the aim to develop and build the business within the global strategy.

Within my previous role I was a Mechanical and Electrical ATEX/IECEx Project Engineer, I also carried out Consultancy, Product certification, Inspection, Trainer/Instructor and the assessor role for the CompEx courses also along with specialist mechanical design courses for the explosive atmosphere industry. Some of the large companies I have carried out Consultancy, Inspection, Certification and Training for are NOV (National Oilwell Varco), National Grid UK, Johnson and Matthey Chemicals, Royal Royce aeronautical, United Utilities, SGN (Scottish Gas Network), GSK Pharmaceuticals amongst many others.

I'd like to consider myself highly adaptable, positive with a 'can do' attitude, well-presented, polite, honest, practical, hard-working, dependable and ambitious. Im a HNC Mechanically qualified, Electrical Design, Installation and testing engineer, CompEx Trainer and Assessor in units Ex f (Foundation) and EX11 Non-Electrical) and I also deliver a specialist design course for non-electrical equipment to be used in Hazardous areas. Within the role I was responsible for hazardous area certification, testing, training of personnel along with inspections carried out and documented on multiple size projects around the world. I have a methodical approach to work, self-motivated, keen to learn new skills, continually improve my skills and I enjoy a variety in my work and connecting with new people and customers.

I have been appointed as an Expert and an active member, contributing to the drafting and development of new standards in my relevant field by the National Committee for the following groups;

- IEC SC31M and CEN TC305: Non-electrical equipment and protective systems for explosive atmospheres WG 1: Non-electrical equipment
- IEC WG54 Development of Explosive Atmosphere basic understanding standards.
- BSI EXL/023 Explosion and fire precautions in industrial and chemical plant BSI

The Industries I have worked within are Explosive atmospheres (Oil, Gas and Dust), Pharmaceutical, Food manufacturing, Heavy Industry, Agriculture, and have vast experience with Hydraulics, Pneumatics, Compressors, Gear Drives along with small and large rotating equipment.

Key skills:

- Good communicator, written and verbally with the ability to converse with colleagues at all levels.
- Ability to work with my own initiative as well as within a team.
- Excellent organisation skills, practical skills & project management with a high degree of attention to detail
- Technically minded
- Innovative

Education:

2019 (Undergoing)	UCPD European Machinery Safety Requirements
2019 (Undergoing)	CompEx Ex 12 Electrical Design and application core competence certification
2015 – 2017	HNC Mechanical Engineering.
August 2017 – to date	CompEx Assessor and Trainor Ex11 (Mechanical) ExF (Foundation) in Wales, Ireland and Malta. Preparation, Installation, Inspection, Maintenance of Mechanical equipment in Ex systems
April 2017 – to date	First Aider
August 2015 – to date	CompEx Ex01- Ex04 (Gas Atmospheres) <ul style="list-style-type: none">- Preparation & Installation of Ex 'd', 'n', 'e' and 'p' systems- Maintenance & Inspection of Ex 'd', 'n', 'e' and 'p' systems- Preparation & Installation of Ex 'i' systems- Maintenance & Inspection of Ex 'i' systems
August 2015 – to date	CompEx Ex05- Ex06 (Dust Atmospheres) <ul style="list-style-type: none">- Preparation & Installation of Ex 't', 'm' and 'p' systems- Maintenance & Inspection of Ex 't', 'm' and 'p' systems- Preparation & Installation of Ex 'i' systems- Maintenance & Inspection of Ex 'i' systems
October 2015 – to date	PILZ Machinery Safety course including PLC programming.
2013-2015	Llandrillo College, City and Guilds level 3 electrical installations.
2012-2013	Llandrillo College, City and Guilds level 2 electrical installations.
1999-2001	Llysfasi College, BTEC National Diploma in Agricultural Engineering NVQ Level 3 Agricultural Welding NVQ level 2.
1994 – 1999	Dinas Bran school, Llangollen.

GCSEs: Design Technology (B), I.T (C), Electronics (C), Welsh (C), Math's (D), Science (D), English (D)

Employment History:

TUV-SUD

April 2019 to present day.

Technical Advisor for Machinery safety carrying out assessments in accordance with the machinery directive and relevant machinery safety standards.

Appointed as the only Technical Expert for Ex-Protection within TUV-SUD in the UK for Explosive Atmospheres and have been tasked with the aim to develop and build the business within a global strategy.

ExVeritas Ltd (Wrexham):

June 2015 to present day:

Project/Inspection Engineer in explosive atmospheres as well as a Trainer and assessor for the CompEx competency scheme. I instruct/trainer and assessor for the CompEx Ex11 (Mechanical) and the Foundation courses along with specialist design courses on a regular basis, approx. twice a month world wide.

As part of my day to day job role I successfully complete multiple simultaneous projects which are located worldwide and are all focused on Machinery located in and out of potentially explosive atmospheres which are to BSI, IEC and also ATEX and IECEx certification and assessment standards.

The following tasks are which the projects are within:

- Mechanical and Electrical Ex Equipment Inspections in all types of industry.
- Pressurised Habitat certification and inspection.
- On site MEIRA assessments (Mechanical Equipment Ignition Risk Assessment).
- Carry out company Internal CompEx audits.
- Use of Ex Inspection Software.
- Witness Factory FAT testing
- Carry out all Close Visual and Detailed inspections as well as completing reports for higher management. Produce punch list along with fault lists of each inspection.

J Lloyd and sons:

August 2012- January 2015, Blacksmith, steel fabricators, Machinery Repairs.

My daily duties consist of Inspection, fabrication, large and small items of equipment with a large variety of work. Machinery engineering including, lathe work milling, Hydraulic work e.g. pipe repairs, seal replacement, welding all types of steel and Alloy repairs. HGV delivery driver with full class 1 and 2, Machine operator e.g. 360 excavators, dumper, Telescopic handler. Store man serving customers and recording customer purchase, machinery repairs, workshop maintenance. On site work consisting of welding, machinery repairs and steel erection.

Hawk Plant Hire, August 2011-August 2012:

Onsite and workshop Welder/fabricator/Plant inspection engineer, based permanently deep in the hills in Sierra Leone, West Africa. My job consisted of carrying out plant machinery inspections from small lighting rigs, up to 120 tonne diggers, carried out structural welding repairs in a timely manner in elevated temperatures. As well as managing my own time I was placed in charge as a foreman of 3 local metal workers to assist myself and another British welder in the repair of the machinery on and off site. Our site was spread over 200 miles from the port right up to the mine with machines dotted all along a new railway line and within the mine.

J Lloyd and sons:

2009 March – August 2011 Blacksmith, Steel fabricators, Machinery Repairs.

Welsh Water:

June 2007 - August 2009

I carried out machinery repairs as well as HGV tanker driving using pressurized tankers to transfer waste water for processing throughout North Wales and West Cheshire.

Trade Effluent Services:

August 2003 – June 2007

I carried out fleet machinery repairs as well as HGV tanker driving using pressurized tankers to transfer waste water for processing throughout the UK.

Ifor Williams Trailers:

November 2001 - August 2003

Maintenance and repairs as well as production operative when required. Day to day carrying out maintenance tasks and repairs where needed on large and small equipment.

Interests:

Spending time with my 2 children, motorcycles, engineering, social activities, the great outdoors, building design, walking and climbing. I have joined a British Disaster zone charity (Team Rubicon) and look forward to helping where needed and to be able to utilize my skill set as best as possible. Improving on my skill set and bettering myself for my kids benefit also.