



Jon Hind BSc (Electronic Eng.)

Control and Instrumentation Engineer Safety Systems Specialist

Tel: +44 7986 271357 +44 1582 526993

Email: jon@jonhind.com

Design, implementation and commissioning of functional safety systems

- Wide, cross-discipline knowledge of and interest in project issues
- Detailed knowledge of the performance of Safety Instrumented Systems
- Conference chairing and paper presentations
- Experienced with IEC 61508/11 definition, design and implementation
- Experience of Shell 'SIL reviews', including SIFPro tool
- Wide knowledge of system suppliers and architecture
- Understanding of network designs, routing and TCP/IP architectures
- Practical experience of working in remote locations

Education:

1973–1976 Bsc (Electronic Engineering) University of Hull, UK

1966–1973 'A' levels: Physics, Mathematics, Economics, and General Studies –
Urmston Grammar School, Manchester, UK

Experience:

2015– 2018 Dignity Funerals Ltd - Funeral Service Operative

- Attending funerals
- Meeting with clients
- Making initial arrangements
- Driving funeral vehicles
- Liaising with Doctors, Hospitals, other funeral directors and media companies

2013– 2014 ABB UK – Functional Safety Engineer

- Offshore Safety Systems
- Functional Safety Reports and presentations
- Impact analysis of varying system architectures

2011–2012 Aker Solutions – Engineer - Functional Safety

- Subsea Safety Systems
- Safety Analysis Reports
- Functional Safety Reviews

2010–2011 GE Oil & Gas – HIPPS and Safety Systems Engineer

- Subsea Safety Systems
- Functional Safety Reviews
- Participation in Safety Systems Conference 2011

2009–2010 ABB Process Automation – Senior Engineer

- Statoil Kollsnes Terminal Upgrade
- Modifications to Fire and Gas
- Specification and procurement of Fire and Gas Devices
- Response to SIL requirements
- Statoil Kårstø 2010 Upgrade
- Review and update of SAR and reliability documentation for PSD and F&G Systems

2008–2009 Worley Parsons – KDPC Kashagan Project – Fire and Gas Specialist

- Risk and Safety Department
- ESD and fire and gas cause and effect reviews
- Updating fire zone layouts, maintenance of fire zone register
- Participation in 3D model reviews
- Checking fire detection layouts, evaluation of fire and gas detectors

2006–2008 MW Kellogg – Shell Pearl GTL Project – Systems Safety Engineer

- Production and testing of standard logic designs for fire and gas and ESD systems
- SIL analysis and design using Shell SIFPro tool
- Fire and gas cause and effect generation • Evaluation of system network
- Producing requisitions for fire and gas field devices

2002–2006 ABB UK – BTC (Botaş) Pipeline Project – Senior Engineer

- Design, implementation, procurement and commissioning of fire and gas detection systems
- Production of response to block valve QRA analysis
- Evaluation and procurement of SIL 2 application
- ABB representative at BP pipeline SIL workshop
- Procurement of protection system
- On site in Turkey commissioning and start-up prior to first oil

Other projects:

- Buzzard Project – Reliability report • AIOC/Shah Deniz Offshore LQ fire detection system
- SIL 2 MB300 solution

1995–2002 Autronica Fire and Security Oil & Gas division – Technical Sales Engineer

- Production of technical solutions, bids and engineering follow-up
- Interface to engineering companies, oil companies and systems houses
- Technical support for Autronica's Aberdeen Office
- Reliability report demonstrating SIL 2 application of fire detection systems
- Evaluation and selection of PC-based operator interface for Autronica's fire system
- Production of first Modbus™ interface for Autronica's fire detection system

Specific projects:

- Amerada Hess Triton , BP Alaska Prudhoe Bay Upgrade, Amerada Hess South Arne Project

1991–1995 ABB Industrial Systems – Principal Engineer

Principal Engineer – Industry Support Department. The company's safety systems specialist

- Interpretation of technical solutions for clients' safety systems requirements in conjunction with sales and sales support departments. 'Up-front' discussions with clients
- Internal and external presentations on safety issues and products
- Production of reliability and availability studies
- Internal consultant on safety issues and products • Selection of fire and gas field devices

Specific projects:

- British Gas Easington – combined fire and gas and ESD system for onshore terminal
- Amec Process and Energy – In-house engineer for British Gas Armada Integrated control, ESD and fire and gas system
- McDermott Engineering London – In-house engineer for BP Harding Integrated control, ESD and fire and gas system
- Phillips Judy/Joanne Integrated control, ESD and fire and gas system

1990–1991 GP Elliott Electronic Systems – Systems Engineer

- The company's Systems Engineer, reporting to the Projects Director
- Ensuring technical compliance with client's requirements for systems

Specific projects:

- BP Forties A, B, C and D replacement fire and gas system design study
- Conoco Viking Terminal audit report. Shell, Leman 'E' Offshore correctional visit

1985–1990 ABB Industri, Norway

Location: Bergen, Norway

1989–1990 Preparation of bids and technical audits

1987–1989 Statoil Offshore Operations Division. Reconfiguration and support of Gullfaks 'A' and 'B' fire and gas systems. Offshore visits to perform installation/maintenance tasks

1985–1987 Gullfaks 'A' at-shore, on-shore and offshore

Reconfiguration of fire and gas system, design and production of utility programs.
Documentation of database

1983–1985 Ferranti Computer Systems (Offshore Systems Group)

Specific projects:

- Statoil Gullfaks 'A' fire and gas system Total North Alwyn fire and gas system
- Britoil Clyde fire and gas system

1980–1983 GP Elliott Electronic Systems Ltd

Specific projects:

- British Gas Barrow fire and gas system - Statoil Statfjord 'B' fire and gas system
- BP Magnus Post Red Shutdown system - Maersk Gorm 'C' fire and gas system
- BP Magnus Main Fire and Gas System

1978–1980 Rediffusion Industrial Services

Responsibility for implementation of CCTV, Public Address, TV distribution and paging systems

1976–1978 Cetec International

- Installation, commissioning and maintenance of high speed tape duplication systems in all countries of Europe
- Sales/repair of high-power loudspeakers

Training and Conferences:

Conference paper: Safety Control & Instrumentation Systems 2009 –

["Fire and gas detection and control in the process Industry"](#)

- Honeywell Safety Manager
- Honeywell Experion and Server
- Shell SIFPro SIL evaluation and design tool
- ABB SafeGuard
- ABB AC800M
- Hima SIL 2/3 controller
- Pipeline SIL determination Workshop
- Prosel sales Training
- Oil in water Monitoring
- Floating production systems
- Software in safety systems
- Safety case legislation
- Presentation skills
- ABB Master, MasterView and SafeGuard
- Communication skills
- Time management
- PLC systems
- Vax/VMS
- Offshore safety – Leiro II Parts I, II and III
- Supervision skills

Software:

- Smart Plant Review
- Advanced Microsoft Office
- Linux/small networking
- Shell SIFPro
- Smart Plant Instrumentation (In-tools)
- HTML/PHP/SQL fundamentals

Languages:

- English – mother tongue
- Norwegian – day to day communication
- Turkish – day to day communication
- French – was fluent; could be revived
- German – was fluent; could be revived

Nationality:

British