

Curriculum Vitae

Eddie POND

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Profile

A professionally qualified SYSTEM DESIGN ENGINEER with 12+ years experience within the Oil & Gas, Offshore Subsea, Process & Water Industries, including the design and co-ordination of complete PC and PLC based control systems.

Market Sectors

- Oil & Gas
- Subsea
- Waste & Water Treatment
- Process Industries
- Telecommunications

Responsibilities

- Detailed PC/PLC System Designs
- Software Development
- Lead Engineer
- Lead Commissioning Engineer (on and offshore)

Product Knowledge

- PLC – GE Fanuc, Allen Bradley, MODICON
- MMI – Allen Bradley, Stahl
- SCADA –InTouch
- PC – Windows, MS Office, Visual Basic

Personal Skills

- Clear thinking
- Commercially aware
- Good communicator
- Project management experience

Recent Project Highlights

- **Talisman Energy** – Ross Field, 2 Production 2 Injection Well Tiebacks (subsea) Lead Engineer, Technical Design and Specifications, Software Development, Client Interface, Commissioning.
- **Conoco Phillips** – Bacton gas terminal, Gas compressor upgrades and modifications. Software Development, Client Interface, Commissioning.
- **Conoco Phillips** – MacCulloch Field Development, Well 10 Tieback (subsea) Lead Engineer, Technical Design and Specifications, Software Development, Client Interface, Commissioning
- **Borouge (UAE)** - Emergency Control Room (telecommunications) Conceptual design, Electrical/Mechanical Design, Client Interface (Technical), Software Development, Commissioning
- **BP Amoco** – Leman 49/27A Gas Compression PLC Upgrade (topside) Reverse Engineer Existing PLC Logic, Detailed Design, Software Development and Commission
- **AGIP** - Tiffany Platform – HVAC Control System Detailed Design, PLC Development, Validation and commissioning on/offshore
- **Conoco Phillips** - Banff Field Development (subsea) Subsea Commissioning Support both on Banff and DSV Activities

Career History

**eProduction Solutions
(Former Brisco Engineering Ltd)**

Jan 1997 – Present

SENIOR SYSTEM DESIGN ENGINEER

- Lead engineer responsible for all design elements associated with the integration of a bespoke product to support SUBSEA wellhead electro hydraulic control systems, supporting multi well installations. Responsibilities include conceptual design, generation of technical specifications, software generation, co-ordination of build, validation and lead commissioning both on and offshore.
- The specification of hardware and the generation of PLC ladder logic for proprietary PLC systems including GE-Fanuc 90/70 and 90/30, Allen Bradley SLC500 and PLC 5. The generation of SCADA applications using Wonderware Factory Suite for control of subsea installations.
- Responsible for the design of an Emergency Control Center for a Petrochemical Site in the U.A.E. System included multi PC's networked to a RAID 5 server. Installation included for video, audio, LAN and PABX interfaces. Responsible for the generation of project specific applications software using MS Access Database, Visual Basic 6.0 and a Multimedia presentation package including commissioning on site in UAE.

WORMALD LINTOTT, NORWICH

1991 – Dec 1996

ELECTRICAL PROJECT ENGINEER

- Responsible for all aspects in the design and management of electrical projects including schematic design, the generation of PLC software, procurement, negotiation of both commercial and technical variations and the generation of technical documentation.
- Responsible for the electrical design of Control and Instrumentation Panels including an Offshore Heating & Ventilation installation using a dual redundant GE-Fanuc PLC system for increased availability. Plant Control and Instrumentation Panels for Pakistan and electrical packages for chemical Injection Skids for use offshore.
- Responsible for the design and configuration of Supervisory Control Data Acquisition systems (SCADA) for water treatment plants.
- Responsible for the generation of control specifications, electrical design and software configuration for multiple PLC and Man Machine Interface systems (up to 18 remote processors) with a particular expertise using the Allen Bradley SLC500 and PLC product range for a water treatment plant.
- Responsible for the design of a PLC based control system to upgrade and replace existing relay logic for the control of No. 4 parallel gas turbine compression trains for an offshore installation. The system was designed using the Allen Bradley SLC500 PLC system and included for a dual Data Highway 485 network. The scope of work included for the generation of detailed control specifications, in/depth offshore surveys and required a close liaison with both the client and third party vendors.

TASC DRIVES LTD, LOWESTOFT

1985-1991

ELECTRONIC DEVELOPMENT ENGINEER

- Development of analogue and digital electronic control circuits for control of variable speed drive systems with an emphasis on power converters up to 45kW, including current and voltage protection circuits and the control of IGBT power devices.
- Application of single chip microprocessors (8051 derivative) for the position control of a variable reluctance motor, including software development using ASM51 assembler.
- Experience with PC based software packages including schematic capture and PCB layout.
- Responsible for faultfinding and commissioning complete drive systems both home and abroad.
- Work experience within the USA on the development of AC inverter motor drives.

ELECTRONIC TECHNICIAN

- Training successfully completed in accordance with E.I.T.B. Standards
- Responsible for the building and testing of special application variable speed drive systems.

Education & Training

LOWESTOFT COLLEGE OF HIGHER EDUCATION, LOWESTOFT

Higher National Diploma (**HND**) in Electronic Engineering (gained with distinction)
1984-1991 (Part Time)

RGIT SURVIVAL CENTRE, DUNDEE

S.E.S. 2 (skyscape) User Course June 1993

PETANS LTD, NORWICH

Basic Offshore Safety Induction And Emergency Training

GREAT YARMOUTH COLLEGE OF FURTHER EDUCATION, NORFOLK

General Engineering and Electronic Engineering Training 1984-1985
Work completed in accordance with E.I.T.B. standards (Part Time)

Personal

Date of Birth: June 1968

Marital Status: Married, Two Children

Driving License: Full Clean UK

I am in good health with a valid certificate of Medical Fitness for Offshore Employment.