

## CURRICULUM VITAE

<b>NAME:</b>	ALAN GOODBRAND	<b>DATE OF BIRTH:</b>	15.2.59
<b>ADDRESS:</b>	30 Ochiltree Drive Earnock Hamilton ML3 9NH	<b>MARITAL STATUS</b>	Married
<b>TEL NO:</b>	Home: 01698-321389 Work: 01698-2352844 Mobile : 07903891434 E-Mail : <a href="mailto:agoodbrand@yahoo.co.uk">agoodbrand@yahoo.co.uk</a>	<b>NATIONALITY:</b>	British
		<b>DISCIPLINE:</b>	Principal Piping Designer

### QUALIFICATIONS

ONC Mechanical Engineering (Coatbridge Technical College)

HNC Mechanical Engineering (Bell College of Technology, Hamilton)

### CAD TRAINING

A. INTERGRAPH :	2 week in-house training course in basic microstation
B. DRAGON :	Introductory course on basic 2D graphics.
C. PDMS :	1 week course in 3D pipe modelling at Richmond College, London
D. INTERGRAPH :	4 day course on microstation l/iso isometric draughting package.
E. AUTOCAD :	3 day course on autocad R.12 Adev propipe 2d/3d & proiso
F. AUTOPLANT:	2 day course on Autoplant R.13.5 equipment & pipe modelling.
G. PLANTVIEW:	2 day course on Cadcentre Plantview 3D modelling.
H. PDS:	2 day course on Intergraph PDS 3D modelling.

### COMPANIES

1975 - TO DATE

Avecia	Atkins Power Generation Ltd
AkerKvaerner	Energos
Aker Maritime	McDermott Engineering
BP Chemicals	Motherwell Bridge
BP Oil	Roche Products
Brown and Root	Shell Oil/Shell UK Exploration and Production
Castlemaine Tooheys	Sinopec
Jacobs Engineering	Smithkline Beecham
Esso Norge	Statoil
Exxon Chemicals	Stone and Webster
Foster Wheeler	TotalFinaElf UK
Glaxochem	Wimpey Engineering
Genesis Oil and Gas	Conoco Phillips
Wood Group PSN	Talisman Energy
Ineos	
Petroineos	

### CAREER SUMMARY

Involved in most aspects of piping design for the oil, gas, petrochemical, pharmaceutical, offshore industries.

This includes equipment and piping modelling using various 3D systems including Intergraph PDS, PDMS, E3D, Cadcentre Plantview and Autoplant.

Also involved in the production and checking of piping layouts, piping general arrangements, isometrics and supports.

## **WORK EXPERIENCE**

**September 2019 - Present**

### **WOOD, GLASGOW**

Project : BP Seagull ETAP Host Project

Position : Principal E3D Piping Designer

Duties : Detailed engineering involving modelling equipment, piping and supports primarily for new wash water pumps that are being installed. E3D Draw used for isometric annotation and support drafting.

**May 2016 – September 2019**

### **JACOBS ENGINEERING, GRANGEMOUTH**

Project : Petroineos Refinery, Grangemouth

Position : Principal PDMS Piping Designer

Duties : On site working on various projects including new tankage and scopes of work for FCCU and Hydrocracker shutdowns. Responsible for modelling equipment and piping using PDMS V12.1. All isometrics produced using Isodraft after clash check. All isometrics checked and revision annotation completed with Autocad 2015.

**April 2015 – April 2016**

### **ATKINS POWER GENERATION LTD., BELLSHILL**

Project : Glasgow Recycling and Renewable Energy Centre

Position : Principal PDMS Piping Designer

Duties : Detailed engineering for a New Waste Treatment Plant for Viridor at Polmadie Glasgow. Responsible for modelling equipment and piping using PDMS V12.1. All isometrics produced using Isodraft after clash check. All isometrics checked and revision annotation completed with Autocad 2015. Navisworks model updated on a weekly basis.

**February 2006-April 2015**

### **WOOD GROUP PSN GLASGOW**

Project : BP Andrew Area Development Project / Total St. Fergus / Total North Alwyn 'A'

Position : Principal PDMS Piping Designer

Duties : Various worksopes which required new design using PDMS V12.0 and LFM Server (pointcloud). Modelling equipment, piping & pipe supports. Isometrics produced using Spooler, supports using MDS & Draft.

Project : BP Project Aurora Sullom Voe Terminal, Shetlands (Modular Construction).

Position : Principal PDMS Piping Designer

Duties : FEED study for above project involving modeling equipment and piping 3" and above using PDMS V11.6. Progressing project through detail design and construction modelling equipment, piping & pipe supports. Isometrics produced using Spooler, supports using MDS & Draft, G.A.'S using Draft.

Project : Talisman Energy, Dumbarton over Piper (Piper Bravo)

Position : Senior PDMS Piping Designer

Duties : Detail engineering involving modelling piping and pipe supports using PDMS V11.5. Isometrics produced using Spooler and pipe supports produced using MDS and Draft .

**November 2003-February 2006**

### **GENESIS OIL AND GAS, ABERDEEN.**

Project : Shell EP Projects/SPDC Nigeria – Gbaran/Ubie Central Processing Facility (CPF), Nigeria (Modular Construction).  
Conoco-Phillips/Qatar Petroleum – Unmanned wellhead platform for the QG3/4 LNG Offshore Development

Position : Senior PDMS Piping Designer

Duties : Involved in the preparation of FEED study for above projects which includes plot plan development and modelling all items of equipment, structures, racks and pipework 3" and above using PDMS V11.5

**June 2003-November 2003**

### **FOSTER WHEELER ENERGY LTD., GLASGOW**

Project : Pars Oil & Gas Co. South Pars gas field development phases 9/10, Assaluyeh, Iran

Position : Senior PDMS Piping Designer

Duties : Involved in the preparation of FEED study for above project which includes plot plan development (Autocad 2000). Modelling all items of equipment, structures, large bore pipework (6" & above) and all critical lines using PDMS V11.3

**July 2002-June 2003**

### **FOSTER WHEELER ENERGY LTD., GLASGOW**

Project : Shell UK Exploration Goldeneye project St.Fergus, Scotland (Modular Construction)

Position : Senior PDS Piping Designer

Duties : Responsible for modelling equipment and piping/pipe supports using Intergraph PDS for a new onshore gas plant which processes gas/condensate from an unmanned platform offshore. Annotation of isometrics using Microstation SE. Checking of Isogen isometrics. Hands on use of Smartplant review.

**Jan 2002-July 2002**

### **AKER KVAERNER OIL AND GAS, ABERDEEN**

Project : TotalFinaElf UK Elgin/Franklin Field Developments

Position : Senior PDMS Piping Designer

Duties : Involved in various projects to upgrade the Elgin PUQ and Franklin Wellhead facilities. All modelling carried out using PDMS V11.2. Design and isometrics produced using Isogen. Basic Microstation used for destruct isometrics etc.

A. GOODBRAND

Mar 2000-Jan 2002	<b><u>BP PROJECTS GRANGEMOUTH COMPLEX</u></b>
Project :	<u>Various projects throughout the complex</u>
Position :	<u>Senior Piping / CAD Designer, checker (Autocad/Propipe/Proiso)</u>
Duties :	Involved in various projects including major plant turnaround shutdowns requiring site surveys, general arrangements, isometrics, pipe supports and checking of all above. All work produced using Autocad R13/14 Propipe and Proiso cad systems.
Nov 1999-Mar 2000	<b><u>AVECIA LTD. EARLS ROAD, GRANGEMOUTH</u></b>
Project :	<u>Various pharmaceutical intermediates projects</u>
Position :	<u>Senior Piping / CAD Designer, checker (Plantview)</u>
Duties :	After initial site surveying responsible for modeling equipment and piping for various projects using Cadcentre Plantview 3d modelling system. Checking of all isogen produced isometrics and review of all vendors drawings.
Aug 1999-Nov 1999	<b><u>JACOBS ENGINEERING, GLASGOW</u></b>
Project :	<u>Clavulanic acid plant expansion project for Smithkline Beecham, Irvine, Scotland</u>
Position :	<u>Senior Piping / CAD Designer, checker (Autocad 14)</u>
Duties :	After initial site surveying responsible for piping general arrangements, isometrics, pipe supports and checking of all above. All work produced using Autocad R14
Jan 1999-Aug 1999	<b><u>FOSTER WHEELER ENERGY LTD, FOLEY HOUSE, GLASGOW</u></b>
Project :	<u>Shell MOGAS (low sulphur gasoline) project for Shell UK Ltd, Stanlow</u>
Position :	<u>Senior Piping / CAD Designer, checker (Autoplant)</u>
Duties :	Responsible for modelling equipment and piping for the above project using Autoplant designer R13.5. Involved in isometric annotation after Isogen production and finally checking of all isometrics for construction.
Apr 1998- Jan 1999	<b><u>AKER MARITIME, PORT GLASGOW</u></b>
Project :	<u>Balder FPU project for Esso Norge</u>
Position :	<u>Senior Piping / CAD Designer, checker (Autocad 13)</u>
Duties:	Responsible for producing and checking piping workpacks for marine, utilities and topsides to allow the FPU to progress to commissioning stage. Workpacks consist of P&IDs isometrics and pipe supports produced on Autocad version 13. Site surveys required while the FPU was in dry dock.
Jun 1994 – Apr 1998	<b><u>BP PROJECTS GRANGEMOUTH COMPLEX</u></b>
Project :	<u>Major refurbishments to existing BP Plants</u>
Position :	<u>Piping Section Leader</u>
Duties:	Responsible for front end engineering design (FEED) plant and piping studies prior to detail design - using AutoCAD R.13 Propipe cad system. Required to determine workscope of Project and allocate design/detail drawing work throughout section. Site surveys as required. Monitoring job progress, manhours etc., on a weekly basis and checking of all drawings required on project
Jan 1994 - Jun 1994	<b><u>McDERMOTT ENGINEERING, ABERDEEN</u></b>
Project :	<u>Shell Oil Pelican Project</u>
Position :	<u>Senior Piping / CAD Designer (Microstation)</u>
Duties :	Major refurbishment to Cormorant Alpha Platform requiring piping studies, GA's, isometrics and checking of above.
Dec 1992 - Jan 1994	<b><u>FOSTER WHEELER ENERGY LTD, GLASGOW</u></b>
Project :	<u>PTA Plant for ICI/Sinopec, Urumqi, China</u>
Position :	<u>Senior Piping Designer</u>
Duties :	As part of in-house design team, duties performed initially were draughting of piping layouts and progressing the construction & completion of the 3D plastic model. Latterly, draughting (microstation L/ISO) and checking of isometrics and GA's.
Apr 1992 - Dec 1992	<b><u>WIMPEY ENG. LTD, GRANGEMOUTH</u></b>
Project :	<u>BP Oil Refinery, Grangemouth</u>
Position :	<u>Senior PDMS Piping designer</u>
Duties :	Upgrading of refinery requiring rerouting of piping. A PDMS model of existing pipe was created by others using photogrammetric survey techniques. Re-routed pipe work added and tied into existing model using PDMS 3D DESCON. New equipment, culverts, structures etc. modelled using INTERCON. Clash check and grout plots as required.

Nov 1991 - Apr 1992	<b><u>BROWN &amp; ROOT UK LTD, GLASGOW</u></b>
Project :	<u>BP Exploration Kinneil Terminal Expansion</u>
Position :	<u>Senior PDMS piping designer</u>
Duties :	All equipment and piping for PAU's and PAR's modelled using PDMS Checking of general arrangements and isometrics.
Aug 1991 - Nov 1991	<b><u>BP CHEMICALS, GRANGEMOUTH</u></b>
Project :	<u>KG Ethylene Plant</u>
Position :	<u>Senior Piping Designer</u>
Duties :	On site during construction of KG Ethylene Plant as part of the engineering support group (ESG). Duties initially were to complete the design of the waste and effluent treatment plant brought up from Stone & Webster, Milton Keynes. Latterly working on pre commissioning design problems, involving site surveys, GA's, isometrics and checking of above.
Feb 1990 - Aug 1991	<b><u>BROWN &amp; ROOT VICKERS LTD, GLASGOW</u></b>
Project :	<u>BP Exploration, Bruce Project</u>
Position :	<u>Senior PDMS piping designer</u>
Duties :	Responsible for initial layout of manual piping studies for PUQ topsides-process module P20. All pipework then modelled using PDMS DESCON 3D modelling system All modelled pipes checked using Datacon and clash checked. Hands on use of CAD CENTRE 3D model review.
June 1988 - Feb 1990	<b><u>BP CHEMICAL ENG., GRANGEMOUTH</u></b>
Project :	<u>Various</u>
Position :	<u>Senior Piping Designer</u>
Duties :	On site as part of the projects team during revamp of the existing ethylene & polyethylene plants requiring site surveys Piping G.A's, isometrics, supports and checking of all above.
Feb 1988 - June 1988	<b><u>WEBB WHITELY ENG., FALKIRK</u></b>
Project :	<u>Exxon Chemicals, Fife Ethylene Plant Mossmorran</u>
Position :	<u>Piping / CAD Designer (Dragon)</u>
Duties :	Responsible for projects to upgrade plant. Requiring :- site surveys, piping layout studies, general arrangements, isometrics, pipe supports & checking of above.
Sep 1987 - Feb 1988	<b><u>FOSTER WHEELER ENERGY LTD., GLASGOW</u></b>
Project :	<u>BP Oil Hydrocracker Rehabilitation Project</u>
Position :	<u>Piping Designer</u>
Duties :	General arrangements, isometrics. Dismantle / destruct / re-erect GA's and isometrics for reactor area.
Apr 1987 - Sep 1987	<b><u>EXXON CHEMICAL OLEFINS INC., MOSSMORRAN</u></b>
Project :	<u>Fife Ethylene Plant</u>
Position :	<u>Piping Designer</u>
Duties :	On-site prior to plant shutdown. Various debottlenecking projects requiring site surveys, piping layout studies, isometrics, pipe supports.
Feb 1985 - Apr 1987	<b><u>FOSTER WHEELER ENERGY LTD, GLASGOW</u></b>
Project :	<u>Statoil, Mongstad Refinery, Norway. BP Oil &amp; Chemicals Grangemouth. Glaxochem Pharmaceutical Plants, Ulverston, Annan &amp; Montrose</u>
Position :	<u>Piping / CAD Designer (Intergraph)</u>
Duties :	Piping layouts, general arrangements. Isometrics from model & layouts. On site during VDU shutdown at BP Oil Grangemouth.
Feb 1982 - Feb 1985	<b><u>CASTLEMAINE TOOHEYS DEVELOPMENTS, SYDNEY, AUSTRALIA</u></b>
Project :	<u>Upgrading of Auburn &amp; Grafton Breweries</u>
Position :	<u>Piping / CAD Designer</u>
Duties :	Expansion work including new tank farms, filtration systems, cooling systems requiring piping layouts, G.A.'s and isometrics.
Nov 1981 - Jan 1982	<b><u>PYNEBOARD PTY LTD., TUMUT, AUSTRALIA</u></b>
Project :	<u>New automated chipboard plant</u>
Position :	<u>Piping Designer</u>
Duties :	On site during construction of plant. Piping layout & detail as required

Apr 1980 - Nov 1981

**FOSTER WHEELER ENERGY LTD., GLASGOW**

Project :

Roche Products, Dalry, BP Oil refinery, Grangemouth.

Position :

Pressure Vessel / Piping Designer

Sep 1975 - Apr 1980

**MOTHERWELL BRIDGE ENG. LTD., MOTHERWELL**

Project :

Sullom Voe Oil Terminal, BP Oil refinery Grangemouth

Position :

Engineering Draughtsman (incl. 4 year apprenticeship to EITB standard)