

SENIOR ENGINEER / PROJECT MANAGER

Jeff Hambleton

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Date of birth	14 January 1948
Nationality	British Citizen
Driving licence	International
Passport	British

PERSONAL PROFILE

A successful and highly motivated, adaptable multi-disciplined electrical project engineer / project manager with over 40 years extensive experience, in electrical engineering and management of complex projects covering detailed design engineering, procurement, integration, installation and commissioning and preventive maintenance.

Experience with multi-disciplined Projects which include telecommunications and heavy industry.

A thorough knowledge of telecommunications, process control power systems with extensive experience in all aspects of project documentation, planning, organisation and problem solving with office and site based experience in Portugal, Iran, Saudi Arabia, Abu Dhabi, Singapore, Indonesia, Vietnam, Thailand, Africa and Europe which has resulted in a flexible and adaptable approach to work.

Excellent communication, presentation and interpersonal skills giving the ability to develop and lead a multi-national team to achieve corporate targets, quality and objectives.

QUALIFICATIONS

- National Certificate in Electrical Engineering at Stoke Polytechnic 1965-69

KEY SKILLS

- Adaptable and flexible approach to work yet still maintaining the ability to perform consistently in a varied environment and under pressure.
- Ability to arrive at clear decisions and implement them efficiently and effectively.
- Proven ability to relate and communicate with people of all nationalities and backgrounds.
- Exceptional oral and written communications skills.

IT LITERACY

- Very Experienced in AutoCAD 2008 (2D & 3D)
- Very Experienced in Microsoft Office (2007-10) and MS Project (2007)
- Very Experienced in writing MS Access (2007) Programs
- Very Experienced in programming Siemens PLC's S5

TRAINING

- Project Management Course 1996, Siemens Machine Tools Course 1995, Siemens S5 PLC Programming Course 1982.

CURRICULUM VITAE – Jeff Hambleton

CAREER HISTORY

Siemens 1995 – 2010

2009 – 2010 ABU DHABI	Project director for ADCOP - Habshan Fujairah Pipeline Project
2007 - 2008 SINGAPORE	Consultant engineer responsible for documentation on Dung Quat refinery in VIETNAM in Siemens – SINGAPORE
2006 - 2007 INDONESIA	Consultant engineer writing documentation for Telecoms for PGN Gas Pipeline Project - Siemens INDONESIA
2005 – 2006 ABU DHABI	Siemens – ABU DHABI Project Manager for Bab SCADA Gas Injection Project – 15 Wellheads, Solar, WHHP, SCADA Project Manager for Power Skid Water Injection Upgrade Project – 23 Power Skids 33kV/ 3.3KV/LV, SCADA
2003 – 2005 THAILAND Lead Engineer	Sole Engineer making system design, documentation and all documentation including specifications, procedures, drawing in ACad. On sit in LIBYA in charge of multi-discipline commissioning team. Responsible for final handover to SOC. Personally commissioned Intercom System and DC Power Supply System in Gas Plant, Power Plant and remote sites in LIBYA. Helped commission 13GHz Microwave. Also working on various proposals for various oil and gas projects in THAILAND and the SUDAN.
2000 – 2003 GERMANY / SUDAN Project Manager / Lead Engineer	Project Manager and Sole Engineer for the Attahaddy Project in LIBYA – Microwave, Multiplexers, Trunked Radio, Intercom, DC Power Supply, PABX. Project Manager and Engineer - Muglad Oil Basin Pipeline Project including FOC, FOTE, VSAT, SSB, VHF, PABX, NDB and TRS partly in Germany and on site in Sudan.
1998 – 2000 Germany / SUDAN Engineer	Muglad Oil Basin Pipeline Project (1600 km) in Sudan – delegated to Germany from Thailand. Responsible for Engineering and Procurement of SSB, VHF, NDB and TRS Radio Systems
1996 –1998 THAILAND Project Manager	Project Manager for YADANA Gas Pipeline Project – 150km pipeline. Communications along pipeline to PTT head offices in Bangkok and Chonburi including installation of FOC into conduit by air pressure through mountainous and swampy areas, FOTE, RTU's, VHF system, 12 x 30m Radio Towers, Video Displays System in PTT Head Quarters, Pipeline Data sent to Central Display via FOC, Trunked lines and Leased lines.
1996 – 1996 THAILAND Project Manager	Project Manager for two microchip processing plants, implementing instrumentation and process control
1995 – 1996 THAILAND Project Manager July 2010	Project Manager for SubMicron Project at Chacheongsao – 115KV switchyard and MV - LV substation, process control clean room for manufacture of micro-chips

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Saudi Iron & Steel Co – 1982 – 1995

- 1991 - 1995
SAUDI ARABIA
Senior Electrical Engineer
- Senior Electrical Engineer responsible for electrical systems (complete power distribution 230kV – 460V, motor control, PLC / SCADA system etc.) for a new steel plant complex. Writing specifications, technically evaluating vendor's bids.
- Senior Electrical Engineer responsible for a steel plant enhancement project consisting of two 25MVA ladle furnaces and other general improvements including a complete visualisation system using Siemens COROS 2000
- Responsible for major changes to the 230kV and 34.5kV systems including a new main substation with a second static compensation equipment of 160MVA.
- Responsible for design, procurement and installation of double 230kV oil filled cables from overhead lines to GIS switchgear, replacing existing oil filled underground cable without plant interruption, for increase in existing plant and to feed second steel plant.
- Responsible for the control and automation of a new Flexible rolling mill producing rebar and small sections. Main Contractor Danieli with ABB as main electrical sub contractor.
- 1987 – 1991
SAUDI ARABIA
Senior Electrical Engineer
- Leading the electrical engineering team in the Plant Engineering Dept. reporting to the Plant Engineering Manager.
- Responsible for many plant projects including writing technical specifications, reviewing bids, writing project justifications, raising AFE and controlling project costing, contractors, commissioning and handing over to the user dept.
- Developed computer controlled project management dbase within a LAN using dbase IV.
- Responsible for major plant power alterations e.g. 230kV power down to 460V distribution. Substation layout, Static Flicker Compensation sizing etc. for major plant expansion project.
- 1984 – 1987
SAUDI ARABIA
Senior Electrical Engineer
- Part of the plant engineering team in the Plant Engineering Dept. working on the following projects:
- Commissioning electrical equipment & PLC on a new Scrap Shear.
- Design and commissioning PLC modifications on Steel Plant billet handling area to allow plant to produce non-standard 4 metre billets.
- Design, commissioning and contractor supervision of outside storage feedback and slewing conveyors in the Direct Reduction plant. Complete design of PLC program and integration into existing PLC system.
- Redesign, commissioning and contractor supervision of automatic sampler at the port.
- Redesign, commissioning and supervision of the electrical installation of 3 water cooled oxygen lances for the electric arc furnaces.

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1984 – 1987

SAUDI ARABIA
Senior Electrical
Engineer

Other major tasks during this period

Long investigations into furnace operation on 3 electric arc furnaces. These investigations resulted in changes to the Siemens 'Simelt' electrode control system changing from Rowgowski coils to primary current transformers by building and installing home made circuit boards. Aided by early PC's, investigations were carried out into furnace balance resulting in the recalculation and redrawing of furnace circle diagrams.

The outcome of the investigations combined with new installations such as automatic carbon injection, water cooled copper panels, enabled a gradual increase in furnace output power, large savings in electrode consumption, increased furnace relining times and increased network voltage stability resulting in large increases in production, way above design capacity.

Examples of changes:

Melting power was increased from 60 to 70 MW.

Electrode current was reduced from 75 to 64 kA.

Reactive power was reduced from 60 to 45 MVar.

Power factor was increased from .73 to .83

Involvement in electrical explosions on the 34.5kV bus system caused by system instability and reignition of vacuum circuit breakers including special harmonic and high voltage tests involving experts from Erlangen University WG.

Responsible for technical aspects of two 133MVA 230/34.5 kV damaged transformers, carrying out tests etc.

Servicing and changing working characteristics of 140 MVA water cooled, thyristor controlled static flicker compensation.

Such changes helped in substantially reducing the network MVA and consequently the loading and heating effects of one 133 MVA transformer whilst the other was being repaired. This also kept the voltage changes to a minimum on the 34.5 kV bus, preventing over voltages and consequential damage, at the same time keeping the furnace MW's as high as possible.

Investigations into Steel Plant 200T ladle cranes, with resulting improvements.

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1982-1984
SAUDI ARABIA
Electrical Engineer

Electrical Engineer responsible for contractors during the erection and commissioning phase throughout the whole plant, including the Steel Plant, Rolling Mills, Direct Reduction Plant, Utilities and high and medium voltage sub stations including SF6 and static VAR and flicker compensation 120MVA.

Responsible for the long term supervision and training of 8 expatriates, twelve Saudi trainees, and 3 Indian technicians in multi task disciplines including plant wide PLC systems, control systems, high/medium and low voltage distribution and DC drives.

Acting electrical superintendent on the rolling mills, responsible for the electrical plant acceptance on a TURN KEY contract.

Re-checking, and where necessary, redesigning the Siemens PLC programs in the utilities areas after plant hand over, in response to production requirements, with control of 4.16KV pump motors.

Responsible for maintenance contractors on two Japanese manufactured iron ore ship un-loaders.

Fault finding and trouble shooting on all of the above mentioned plant and equipment.

Redesign and commissioning of emergency power system for the Steel Plant, including changes to two MVA emergency generator sets, electrical interlocking with other systems and automatic pump starting sequences in the PLC.

GEC Electrical Projects 1974 – 1982

1977 - 1982
EUROPE
Electrical
Commissioning /
Service Engineer

Part of a small service team for GEC Electrical Projects based centrally in Rugby, England. Helped to build up the service contracts, which finally amounted to over 60. The area covered most of the UK and Scotland as well as France, Holland, Southern Ireland and Northern Spain. The equipment covered new and old as well as most of the full range of control equipment supplied by English Electric, AEI, GEC, Metro Vic, etc.

Types of Equipment Serviced

- Arc Furnaces
- Amplidynes
- Ignitrons
- Excitrons
- Invertrols
- Large and small DC drives
- Magnetic amplifiers
- Mercury arc rectifiers
- Saturable reactors
- Standby and No Break power Supplies
- Valve amplifiers
- Variable frequency drives
- Ward Leonard sets

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Types of Sites Covered	Actual Sites Covered
Aluminium Mills	Star Aluminium
Billet Mills	GKN Brymbo
Blooming Mills	Patent Shaft
Breweries	Bass
Cable Extruders	AEI Cables
Cardboard Mills	Thames Board Mills
Coal Ship Loaders & Ship Unloaders	NCB Immingham, Fisons
Cold Copper/Brass Rolling Mills	D.F. Taylors
Cold rolling Mills	BSC Shotton, BSC Gartcosh
Container Ports	Freightliners, Bell Lines, PLA London, PLA Tilbury
Copper Rod Mills	BICC Prescott
Drag Lines	Ruston Bucyrus
Glass Manufacturers	Pilkingtons
High Security Prisons	Albany, Coldingly, Long Lartin
Sequencing & PLC	Severn Trent, Cadburys, GKN Cardiff. GEC Willans
News Papers	Daily Mail, Daily Express, Financial Times, Brighton Argus
Paper Mills	Bowaters, Hollins, Ruberoid
Power Stations	CEGB Carrington, Chadderton, Westwood
Research Establishments	Dept. of Ind. Warren Springs Lab., N.E.L
Rod Mills	GKN Cardiff, London Works Steel
Stainless Steel Rolling Mills	Arthur Lee, Johnson Mathey, JB & S Lees
Standby Power Supply	Boots, Runcorn Shopping City
Arc Furnaces	BSC Tinsley Park, Patent Shaft, GKN
Test Rigs	Dunlops, Lucas Aerospace, Rolles Royce Helicopters
Textile factories	ICI Wilton
Tube Mills	BSC Bromford Tubes, TI Weldless, TI Desford
UPS Uninterruptable Power Supplies	Esso Refinery Fawley, BP House, Prisons

1974 - 1977
EUROPE
Electrical
Commissioning
Engineer

Involved mainly with the commissioning of DC drives up to 4000 kW. Commissioning the thyristor equipment and all control, auxiliary and protection equipment as well as the power transformers up to 33kV.

Sites Included

Portugal - Siderugia Nacional Rod mill in Oporto, commissioning the rod handling (Stelmor) equipment - D.C. drives upto 300 kW and low voltage A.C. motor MCC's etc.

South Wales - GKN Cardiff, commissioning a GEC, PLC (using early PROMS) controlled pallet handling system on a 4 strand rod mill.

England - BSC Thryborough bar mill, Rotherham, commissioning TTL controlled mill set up equipment.

England - BSC Scunthorpe commissioning billet mill.

England - BSC Shepcote Lane commissioning large 18 pulse DC drive on reversing mill.

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England - BSC Ravenscraig, Scotland, commissioning electrical loopers on a hot wide strip mill. Site engineer in charge of 3 commissioning and two design engineers.

England - BSC Hartlepool, re-commissioning English Electric Mag. Amp. system for rolling mills, after an oil cellar fire.

Scotland - Scot Lithgow ship yard, Underwater Research Vessel URV01, commissioning AVR's and field controlled thyristor drives with 2000 A circulating current from Diesels.

England - Winch type electric arc furnaces in South Wales, Sheffield and Birmingham. Commissioning the 33kV furnace transformers and the electrode regulation equipment for DC winch motors.

Qatar - Doha power station, dry out 30MW gas turbine and commissioning a BBC electro-mechanical AVR.

Ahwaz Rolling & Pipe Mills Co. 1972 - 1974

1972 – 1974
IRAN
Electrical & Electronics
Engineer

Directly responsible to the General Manager - This position involved standby, breakdown maintenance, preventive maintenance and improvements and modifications to a 5 stand narrow hot strip mill and hot reversing mill, 3000 kW

Responsible for an electronics lab and the development of many (in house) electronic improvements for automating the mill.

Developments included a new type of ramp firing circuit using the latest 741 amplifiers and TTL logic, which was incorporated in a thyristor drive, later used in the pipe mill.

GEC Elliott Automation Ltd. 1969 – 1972

1969 – 1972
PORTUGAL
UK
IRAN
Electrical
Commissioning
Engineer

Electrical Commissioning engineer working on a variety of sites and equipments:

Sites included:

Portugal - Siderugia Nacional Lisbon commissioning large thyristor drives on a cold rolling mill under the supervision of the senior commissioning engineer.

UK - Commissioning various small projects including a flying shear Thyristor/Ward Leonard controlled.

Iran - AHWAZ Rolling & Pipe Mill Co. commissioning narrow hot strip mill.

Iran - English Electric Site Engineer on standby for the whole mill. This was for about one year.