

STEPHEN BARRETT MIET, MRAES • BFPA CONSULTANT • ISO 9000 AUDITOR

FULL MEMBER OF IET & RAES • FULL SECURITY CLEARANCE INCLUDING ITAR (INTERNATIONAL TRAFFIC IN ARMS REGULATIONS)

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Mobile: +44 (0) 7836 607414

Date of birth: 24 July 1953

A widely experienced engineer with an uncommon knowledge and expertise across a broad spectrum of engineering disciplines. Very strong in the integration of mechanical, hydraulic, electronic, data acquisition and computer systems across a diverse range of industries and applications especially as applied to testing systems. Currently providing a wide range of support services to users of mechanical testing systems.

An accomplished trainer having trained over 440 delegates in subjects covering hydraulics, pressure systems, closed loop control, safety and numerous software packages relating to the testing industry.

Employment History

From 1982 to present: Systems Services (S P Barrett Ltd): Managing Director for 29 years

Current clients / projects

Client	Activity	≈ Value
Oceaneering Multiflex	Project Manager/Consultant; Design and build of a new mechanical test facility including assessing specifications, assessing supplier documentation. Acting as technical advisor during build and commissioning. Responsible for acceptance tests.	£2M
BAE SYSTEMS	Lead Engineer; JSF Lightning II 165 channel full scale durability test commissioning.	£80K
Heriot Watt University	Design of 2MN system upgrade, installation, commissioning, training and calibration, on-going support.	£110K
Agusta Westland	Commissioning; 100 channel static test (VH101) & ongoing technical support and consultancy for Future Lynx durability testing	£100K
JCB Transmissions	Consultancy & Technical Support; transmission durability facility	£5K pa
BAE SYSTEMS	Project management of service and calibration of all testing equipment, on-going consultancy and technical support.	£25K pa
Training courses	For Jaguar Land Rover, Global Marine Systems, BAE SYSTEMS, Rolls Royce, Heriot Watt and Sheffield Universities, GKN, Airbus, Vestas.	

Previous clients / projects

Jaguar Land Rover	Consultancy and technical support; new signal cable and distribution system.	£50K
BAE SYSTEMS	Commissioning Manager; Nimrod MRA4, Ironbird Test Rig, Commissioning (all systems) of 26 channel Ironbird test rig, static and endurance tests. On-going technical support & training.	£80K
BMW Group	Consultancy, On-going support for the design and build of a new mechanical test facility including writing specification, assessing supplier documentation and selecting supplier. Acting as technical advisor during build stage and attending all progress meetings.	£2.75M
Alstom Power	Consultancy, Specification writing and supplier selection for supply of test controllers.	£90K
BAE SYSTEMS, Warton	Assessing technical specification for BAE SYSTEMS. Assessing supplier documentation and selecting supplier	£250K
QinetiQ (MOD), Rosyth	Project management of service and calibration of all testing	£50K pa

STEPHEN BARRETT - A Personal Profile

and Farnborough	equipment, on-going consultancy and technical support.	
BAE SYSTEMS, Brough, Woodford & Warton	Commissioning of 80 channel Buccaneer Full Scale Fatigue Test (FSFT), Commissioning of 92 channel Hawk T mk1 FSFT, 16 channel Nimrod MRA2 undercarriage fatigue test, 80 channel Harrier GR4 FSFT & 60 channel Tornado ADV FSFT	£50K to £100K

Employment History prior to establishing Systems Services

1978-1982	Losenhausen GB Ltd.	Commissioning Engineer then Project Manager. Installation and Commissioning of turnkey electro-hydraulic testing systems. Technical writing of manuals etc. Management of complete projects from specification origin to acceptance of system by customer.
1974-1978	Keelavite Hydraulics (later Commercial Hydraulics)	Commissioning Engineer. Installation and Commissioning of turnkey electro-hydraulic testing systems. Technical writing of manuals etc.
1971-1974	Rank Xerox	Service Engineer repairing and installing large photocopiers. Customer Relations

Education:

Indentured Apprenticeship with GEC-Elliot Computers

- Attained: City and Guilds Technician Certificate.
 - Subjects: Control Systems, Computing, Electrical Principles, Electronics, Communications.

Engineering Industry Training Board Certificate

BFPA/CETOP Level Three Industrial Hydraulics

Additional Training:

Training activity	Provider	Date
BFPA/CETOP Level Three Industrial Hydraulics	National Fluid Power Centre	January – April 2011
ISO9000 Certification	A1 Quality Consultants	December 1998 & 2004
ISO9000 Auditor	A1 Quality Consultants	October 2004
Competent Person – Pressure Systems Safety Regulations	Olaer Fawcett Christie	September 2001
Strain gauging	HBM	
Numerous specialist computer software packages.		

Approved trainer:

Kelsey Instruments K7000 Control System – Trainer	Kelsey Instruments
MOOG SmarTEST/Aerotest Control System – Trainer	MOOG

Professional Development

Full Member of the Institution of Engineering and Technology (IET) formerly IEE.

Full Member of the Royal Aeronautical Society (RAeS).

Consultant Member of British Fluid Power Association (BFPA).



Technical References: available upon request.

Further information on Systems Services activities may be found at www.systems-services.com.

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