



Robert Mark Fairhurst

B.Sc. (Hons), M.Sc. Mechanical Engineering

Senior Consultant, BHR Group

Client base:

- DTI
- UK Department of Energy
- Ministry of Defence
- Home office
- ALSTEC
- BA Systems
- Vestas Wind Turbines
- Marine Current Turbines
- British Energy
- BNFL
- PALL Europe
- Edison Light and Power
- NYSEG
- Single Buoy Moorings
- Jordan Grand Prix
- Ford
- SELEX
- HS Marston
- GEC Marconi
- Subsea Offshore
- Comex
- Case international
- Boart International
- Sulmberger
- Flexitallic
- Liebherr
- Lufthansa
- Moog
- BMT

Membership of Committees / Panels:

- BFPA/TC8 'Product Testing'
- BSI Panel MCE/18/-/8
- Former member I Mech. E Fluid Power Systems Committee

Engineering Experience

- Development of a novel abrasive water jet cutting process
- Development of International Standards for contaminant sensitivity testing of hydraulic components
- Development of a contaminant monitor using the silt blockage principle
- On site consultancy and equipment operation offshore, petrochemical, world-wide
- Design, build and operation of high pressure, high temperature and hazardous test facilities
- Pressure testing, fatigue and endurance testing of aerospace and military equipment.
- Military applications of water jet and abrasive jet technology
- Hydraulic design of safety critical systems in hazardous environments
- Design and test of facilities for LNG, methanol, refrigerants, explosive gasses
- Design build and test using cryogenic temperatures
- Engineering consultancy on water jet cutting for mining applications, wind turbines, tidal turbines, water hydraulics
- Development of novel cleaning and decontamination equipment
- Development of an energy efficient water hydraulic system for valves in the brewery, dairy and pharmaceutical industries
- Test and development of automotive and racing car components
- Final year project on diesel engine combustion characteristics sponsored by leading engine research company

Managerial/Business Experience:

- Management of Slurry Transport division of BHR for 6-month period
- Formation of major consortium project on water jet cutting technology
- Section Manager – Fluid Power Systems, a 15 professional engineer team
- Project management of numerous single client R&D contracts
- BHR project manager of European FP7 collaborative research programme
- Manager of Fluid Systems Test Laboratory
- Writing of proposals for contracts including technical, pricing and commercial aspects.
- Writing of business plans for group and new ventures
- Manager and driver of a successful drag race team with 30 years experience

Head office contact information:

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