

# BRIAN JOHN MESSENGER

BSc(Hons) MSc FICE FIStructE MAPM

**POSITION** MANAGING DIRECTOR (AFRICA)

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## KEY FACTS

John has over thirty years of international experience in the construction industry embracing all aspects of project definition, development and delivery, including both client and contractor perspectives. Experience includes the management of projects through initial feasibility studies, scheme development and the 'financial engineering' necessary to translate an opportunity into a viable business enterprise, (typically in a concession (PFI/PPP etc) context). Critical to the delivery of an enterprise is the identification of procurement strategies and the procurement process necessary to secure the involvement of such partners on realistic commercial and contractual terms. John's experience is therefore equally applicable both to owners seeking to develop projects and to contractors seeking to develop involvement in the projects in tender, negotiation and delivery stages.

## QUALIFICATIONS

Bachelor of Science (Honours) Civil Engineering  
Master of Science (Distinction); Project Management  
Fellow of the Institution of Civil Engineers (FICE)  
Fellow of the Institution of Structural Engineers (FIStructE)  
Member of the Association of Project Managers (MAPM)

## RELEVANT PROJECT EXPERIENCE

### Saudi Landbridge Project

As Project Director for the Mada Group (the concession company division of Al Rajhi Bank), John was responsible for developing the concession company's (an SPV) bid for the privately financed Saudi Landbridge project which included the privatisation of the government owned Saudi Rail Organisation. The US\$5 billion project included 1500 miles of rail joining to the east and west coasts of Saudi Arabia via Riyadh.

### Lagos Infrastructure Project

Project Director for the first privately financed tolled highway to be constructed in Nigeria, working on behalf of the concession company. The Lagos Infrastructure Project comprises the upgrade and rehabilitation of 49 km of existing highway from Victoria Island to Epe. Further phases of the concession will include new construction of the coastal highway and sections of other highway improvement within the main Victoria Island network.

Particular involvement included: Reassessment and tailoring of project to achieve practical viability; restructured procurement strategy; tendered and negotiated contracts for design & build construction and toll equipment provision; project management of implementation phase.

## Medupi/Kusile Power Stations

The contract for the design and construction of 12 Nr. 800 MW coal fired boilers for Medupi & Kusile power stations in South Africa (circa US\$ 1800 million) was awarded to a joint venture comprising Hitachi Power Africa and Murray & Roberts (South Africa's largest construction group).

## FULL PROJECT EXPERIENCE

### Director for Engineering Management Services for Medupi/Kusile Power Stations

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Acted as interim Engineering Manager and developed the engineering resources and systems necessary to delivery the heavy steel structures and boiler high and low pressure systems.

This included significant upgrading of the Murray & Roberts steel fabrication business and measures to address the South African shortfall in steel production capability for normalised steel.

### Director for Saudi Landbridge Project.

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### Project Director for Lagos Infrastructure Project

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- restructured procurement strategy;
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- project management of implementation phase.

### Richards Bay Heavy Ship Repairs Facility

Richards Bay ship repair facility was the first privately financed project to be advanced by South African, (National Ports Authority).

After the failure of a pre-emptive bid, which led to court cases, NPA engaged HPR to advise on the procurement and implementation strategies.

Particular involvement included:

- reassessment of the projects viability;
- compiling procurement methodologies compliant with the then new South African treasury department PFI regulations and guideline;
- drafting advertisements and administering tender selection process.

## Director for Scarborough Coastal Defence Project (circa £38 million)

Responsible for implementation phase of Scarborough Coastal Defence project inclusive of:

- 2.1 Km of rock & accropode revetment;
- associated road and wave return wall;
- rehabilitation of East Pier.

## Power Station Experience

### Pembroke Orimulsion FGD Project – National Power

Appointed Engineer for the independent design of all turnkey civil/structural design, inclusive of design management and QA. The QA system provided for an audit trail from the “Responsible Engineer” through to actual contractor/designer for all elements of the project. The audit trail was backed up by selective checking and audit. The design approval system contained a full system of scheme development, documentation and approval.

### Ratcliffe FGD Project – PowerGen

As part of the Merz Rendel Williamson consortium, provided consultancy services to PowerGen for the Ratcliffe FGD Project and in particular, co-ordinated and managed Pre-Application activities. On receiving planning consent, continued to co-ordinate services throughout the design and construction including ;

- Independent Engineer checking of turnkey contractors civil/structural designs.
- Assistance with site supervision and specific technical input where required.
- Design and site supervision of Barton Lane diversion.
- Design and site supervision of Bunker Bay Works.
- Design and site supervision of station road and railway remodelling.
- Design and site supervision of HGV and coal access inclusive of two span composite road over bridge and fully automated access and weighbridge control system.
- Provision of Planning Supervisor services.

### Ratcliffe FGD Project

Project Engineer for Environmental Impact Assessment feasibility studies and other pre-application studies.

### Ratcliffe FGD Project

Project Engineer for design of all preliminary works including services, infrastructure, oversite earthworks, roadworks, bridge works and major power cable diversions.

### PowerGen Plc

Independent design assessment of turnkey contractors submissions for the Ratcliffe FGD project. Provision of civil/structural consultancy services.

### PowerGen Plc

Ratcliffe Power Station Access Works inclusive of 2 span rail overbridge in composite construction, access and internal distribution roads and lorry unloading facilities for bulk products including PFA, coal and limestone.

### PowerGen Plc

Barton Lane Completion Works inclusive of design, contract preparation, tender administration and site supervision.

### PowerGen Plc

Ratcliffe Power Station traffic management study.

## **PowerGen Plc**

Remedial grouting works to railway track and adjacent ground at Ratcliffe Power Station including contract preparation, tender administration and site supervision.

## **PowerGen Plc**

Structural design of package sewage treatment plant at Ratcliffe Power Station.

## **PowerGen Plc**

Ratcliffe FGD Project Phase 1 Landscape Works inclusive of contract preparation, tender administration and site supervision.

## **PowerGen Plc**

Preparation of schemes for Ratcliffe FGD Project Phase 2 Landscape Works including final landscaping and site reinstatement works.

## **Anglo-American CCGT Power Station**

Project Engineer for proposed Anglo-American CCGT power station project in South Wales including preliminary structural design of all major buildings and installations. All design work was carried out in accordance with principles defined in the Environmental Statement and the further mitigation of all environmental and visual aspects regarded as of primary importance by the Client as part of a 'good neighbour' policy.

## **Fawley 'B' Power Station**

Project Engineer with responsibility for the control and co-ordination of Environmental Impact Assessment feasibility studies and design work relating to the development of the project and for public inquiry studies.

## **Fawley 'B' Power Station**

Task Co-ordinator based in the London office. Acted as Liaison/Co-ordinating Engineer responsible for directing all packages being undertaken by the London office and liaising with the Client, the CEGB. Packages for the pre-application and pre-consent studies included earthworks assessment, railways, roads, station layout, programmes, cost estimates and marine works.

## **Engineer/Senior Engineer for the following projects (1982-1988):**

### **Khartoum North Power Station, Sudan**

Supervision of turnkey project design for civil and structural works, including switchyard buildings and transmission lines.

### **Ironbridge 'B' Power Station**

Site supervision for bunker bay roof strengthening, recladding and installation of contractor facilities buildings.

### **Ironbridge 'B' Power Station**

Design check for boiler suspension steelwork and bunker bay roof construction as part of refurbishment programme.

### **Eggborough Power Station**

Design check on boiler house steelwork as part of refurbishment works, and design checks for modifications of water treatment plant.

### **Hinkley Point 'C' Power Station**

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Pre-application feasibility and environmental impact assessment studies, including earthworks, drainage, CW tunnelling schemes, berthing facilities. Studies included proposals for the existing wharf at Combwich and survey work in the River Parrett.

## **Thorp Project, Sellafield**

Independent design appraisal work for Nuclear Installations Inspectorate.

## **Project Director for the following commissions undertaken for the UK Ministry of Defence**

### **BAD Kineton**

Design of reinforced earth embankments to Ministry of Defence explosive storehouses carried out in association with Tilbury Douglas Construction Ltd for 'Design and Build' contract.

### **RMCS Shrivenham, Kitchener Hall – Refurbishment**

Commission for the provision of project management services for RMCS Shrivenham. Services include the preparation and maintenance of a full commercial and technical risk assessment incorporating risk registers, risk management plan and risk monitoring and control reports.

### **Defence Clothing and Textiles Authority Management Support Services**

Assessment of staff and accommodation options for the collocation of 6 existing constituent elements of the organisation situated in various parts of the UK.

Assessment study included determination of future equipment and facility requirements, consideration of available collocation options on existing DCTA sites and other potential MOD and private sites, and the preparation of costed schemes for all construction work and transfer costs.

### **MOD Main Building Refurbishment Option Study**

Condition survey and option study into the refurbishment of the Main MOD Building in Whitehall including the preparation of costed schemes for the refurbishment of all office accommodation and the installation of new conferencing, catering and storage facilities

### **MS(ORG) Clothing and Textile Study**

Assessment of construction requirements, site selection and costs for an option study covering the Optimisation of Clothing and Textile Procurement and Management Quartering Data

### **MOD Main Archive Relocation Study**

Assessment of construction requirements, site selection and costs for an option study into the relocation of MOD Archive Storage.

### **DGES(A) Technical Branches and Authorities Study**

Assessment of construction requirements, site selection and costs for an options study into the rationalisation of Army Technical Branches and Authorities

### **Subsidence Claim Wrinklemarsh Road Blackheath**

Assessment of subsidence damage and identification of remedial measures required to houses in Woolwich

### **MOQS Bushey**

Assessment of settlement damage and identification of remedial measures required to married officers quarters in Bushey

### **Queen Elizabeth Military Hospital Woolwich - Replacement Incinerators**

Option study covering the replacement of clinical waste incinerators at Queen Elizabeth Military Hospital, Woolwich

### **Residential Training Study**

Assessment of construction requirement, site selection, cost estimates and risk analysis for the establishment of a residential training centre for senior personnel.

### **Musician Training**

Assessment of construction requirements, cost estimates and risk analysis for an option study covering the collocation of musician training for the three forces.

### **Project Manager for the following commissions (1989-1997)**

#### **Atomic Weapons Establishment – Aldermaston**

Study into the rationalisation of existing R&D and manufacturing facilities for particular nuclear components. The service included assisting the client in determining the extent of facilities required under various options (including any related decontamination works) and in the preparation of a full investment appraisal covering staff and running cost, all in accordance with the 'Treasury Green Book'.

#### **Commission for the Provision of Project Review Services**

Independent auditor carrying out range of review services covering the performance of all aspects of works services projects undertaken by Ministry of Defence. Provision of consultancy advice on current works services procedures. In addition to undertaking in-house project work, provided a range of project audit and review services for the Ministry of Defence having audited over 90 individual projects. In addition to individual audits, John was appointed by the Ministry of Defence to develop a comprehensive audit and review system for use in connection with partnership contracts and discrete commissions for project management services.

#### **Sir Bruce White, Wolfe Barry & Partners - Engineer**

Design, contract preparation and supervision of construction of Port of Dammam, Saudi Arabia. This included steelwork, marine and port works, roadworks, explosives terminal, shiplift/ship maintenance yard, concrete and steel sheet piled wharf, reinforced concrete and steel framed building construction, port services infrastructure and general operational areas, switchrooms and sub-stations, 40m high water tower and associated works.

### **Other Projects**

#### **Kuwait National Petroleum Company**

Management of teams working of a number of packages for the Kuwait National Petroleum Company (procured via PMS organisations) including:

- **Al Zour – Maritime** :Consultancy services provided via Fluor Daniel in respect of the maritime works tender package for the Al Zour new refinery project inclusive of: offshore loading ,sub-sea pipeline, shorearm and onshore works
- **KNPC Al Zour Jetty Study** : Consultancy services provided via Fluor Daniel for temporary heavy load jetty for Al Zour new refinery project.
- **KNPC/Thyssen Krupp Sulphur Loading Facilities** : Consultancy services provided via Thyssen Krupp for new sulphur loading facilities at Shuaiba port.
- **Shuaiba Small Boat Harbour**: Consultancy services for relocation of small boat harbour facilities at Shuaiba .

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## **Mafrq Cement Works**

Structural design of primary crushing plant for Mafrq Cement Works.

## **Bahrain**

Preliminary design for 10 Nr transmission sub-stations.

## **Hutchison Microtel Communications Plc (Orange)**

Site survey, structural design development for microwave communications equipment.

## **Howard Doris Ltd - Section Engineer**

Construction of major concrete offshore oil production platform (Ninian Central).

## **Kiers Ltd - Assistant Engineer**

Construction of nuclear submarine base, Devonport.