STEPHEN REYNOLDS BSc CEng MIET

Profession: Chartered Electrical Engineer
Specialisation: Business Management /Programme Management
Position in Firm: Director, Major Projects & Commercial Services

Years of Experience
39 (27 with PB; 12 with others)

Education
BSc (Hons), Electronics, University of Manchester Institute of Science and Technology, UK

Professional Affiliations
Member of the Institution of Engineering and Technology

Professional Registrations
Chartered Engineer: United Kingdom

Key Qualifications
Over 35 years' experience of business management, programme management, systems engineering design, implementation, project management, and business development in the rail transportation and wind energy markets. Stephen has particular experience of the application of electronics and real-time software engineering in high integrity systems.

Head of Discipline Major Project Services (2015 - present)

Following the acquisition of Parsons Brinckerhoff by WSP in 2014 Stephen was appointed to the UK Executive Leadership Team of the WSP|Parsons Brinckerhoff business. Stephen assumed responsibility as Head of Discipline for the merged Major Project Services business, with circa 220 staff primarily focused on providing commercial management services. This role builds on the earlier MPCS directorship, with a remit to deliver strong commercial management on projects across a range of market sectors and also to extend the centre of commercial excellence concept across the enlarged WSP|Parsons Brinckerhoff operations.

Stephen's project roles on the TfGM and Edinburgh tram contracts continue.

Director Major Projects & Commercial Services, (MPCS), Business Unit (2013 – 2015)

Stephen was appointed as Director of the 140 strong MPCS Business Unit in 2013 with full responsibility for delivering the business plan. Along with the appointment Stephen became a member of the PB Europe Leadership Team, reporting directly to the MD. The MPCS Unit acted as a centre of excellence within PB Europe, providing programme management staff to PB projects across all market sectors and to external clients. Key disciplines were cost management, claims management, project controls, planning, risk management, document control, and governance reporting.

Director responsible for Light Rail Major Projects (2007 – 2013)
Responsible for client relationship management, new business development, and operational control of the Company's major projects in Light Rail. This position evolved from the Director Infrastructure role to focus on the very large contracts which PB secured in Light Rail from 2005 onwards. Key project responsibilities were as follows:-

- Principal-in-Charge, Metrolink Delivery Partner Contract with Transport for Greater Manchester, (TfGM), PB provided programme management services for the delivery of the £1.5bn capital programme for extensions to the Metrolink tram network. PB staff worked alongside TfGM staff in an Integrated Delivery Team, (IDT), which was 150 people strong. PB filled circa two thirds of the posts. Stephen was responsible for client relations, IDT structure, and competence management across all management functions

and IT solutions for the Water, Power, risk management, Oil & Gas, and Telecoms markets.

- Quality Services, concerned with the provision of quality inspection and certification services for clients in the power and rail transportation markets using specialists in electrical, mechanical, and metallurgical disciplines and generalists in the application of quality system procedures. The Unit comprised two sections: Quality Services Limited headquartered in Newcastle UK, and Quality Services AG, located Baden Switzerland.
- ESRM, PB's environment, safety and risk management team. Integrating engineers and scientists, PB brought together expertise spanning the broad range of environmental issues – from environmental audits and management of contaminated land through to the provision of boardroom advice on environmental, health, safety and risk management issues.
- Building Design & Management provided comprehensive building design and management expertise embracing all aspects of construction. The unit featured a multi-disciplinary engineering capability committed to delivering high quality solutions matched to customer requirements on a worldwide basis.
- Aviation provided skills in the area of airport planning, design, and construction, including Airport Master Planning, Terminal and Facilities Planning, Land Use Management Planning, Airport Site Selection, Airport Access Planning, Airfield and Airspace Planning, Aviation System Planning, Airline Support Facilities, Air Cargo Facility Planning.

Business Unit Director, Systems & Communications Business Unit. (1995 – 2000)

- To define the Systems and Communications Unit Business Plan
- Undertake marketing initiatives aimed at securing follow-on business from existing customers and developing new business with potential clients.
- Maintain (through training and recruitment), the staff resource profile numbers and skills required to achieve the business plan.
- Enforce financial control by setting cost and profit targets for the Unit and for individual projects.
- Assess and report to the Divisional Director, the technical and financial performance of the Unit.
- Define line management and project team structures.

Engineering Manager (1991 – 1995)

- The primary function of the Engineering Manager was to ensure that all projects undertaken were correctly engineered so that programmed timescales were maintained and the required profit levels achieved. The responsibility for performance included the definition of standards for project management and reporting to be adhered to by individual project managers. This allowed the exertion of an appropriate level of Engineering Management control and facilitated consistent reporting to the Directors.
- Projects engineered during this period varied in scope from small business case studies through to the design and implementation of major systems.
- Engineered a major project with a capital value of £30m.
- Principal clients include the English and Welsh Water PLCs, the Scottish Regional Councils, the UK Process Industries, Ministerial bodies in the Middle East, and one

- Responsible for the control of two engineering staff.
- Researching structured design techniques and the application of such techniques to large system development.
- The development of rigorous methods for software development for real-time safety systems. The development methods were applied to programming in the high level language FORTH and Motorola 68000 and 6800 assembler.
- The design and development of laboratory simulators for the testing of system designs. (Using Motorola 68000/010 on VME systems).
- The design and development of analogue electronic circuitry, for example:- bipolar and MOSFET power amplifiers: MOSFET switched mode power supplies.

Development Engineer, Pye Telecommunications Ltd, UK (1976 – 1977)

- Responsible for mobile VHF radio circuit development.