

Eur. Ing. RICHARD G. TOWNSEND-ROSE

M.A., C.ENG., M.I.C.E

SUMMARY OF EXPERIENCE

Over thirty years professional experience in the engineering and construction industries, including ten years overseas on major projects at a senior level.

Extensive commercial management experience including all contract administration from pre-contract through the construction phase to post contract, with particular emphasis on resolving problems as they occur in a constructive and cost efficient manner.

Considerable expertise in reviewing and setting up systems for Health & Safety, Quality Management, Accounting and Document Control. Volunteer Mentor with Scottish Chambers of Commerce

TYPICAL PROJECT TYPES

Marine Structures
Power Stations
Pipelines & Roads
Water Supply Schemes
Offshore Projects
Manufacturing
Ship Building & Vessel Fabrication

PERSONAL DATA

Born: 12 June 1947
Single
Liveryman of City of London

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Netherlee, Glasgow G44 3PG
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ACTIVITIES

Contractual & Commercial Matters
Project & Design Management
Contract Claims
Health & Safety and Quality Assurance
Software Design

PROFESSIONAL & QUALIFICATIONS

M.A.(Mechanical Sciences) Cambridge
Chartered Engineer
Member, Institution of Civil Engineers

SOFTWARE DEVELOPMENT

Construction Engineering Management Document Control (TDOC)

FOREIGN EXPERIENCE

East Africa
India
Indonesia

EMPLOYMENT HISTORY

Employer	Dates	Years
Consultant	1989 - Date	19
High-Point Schaer	1988 - 1989	1½
Lithgow Electrical Group	1983 - 1987	4
Contract Consultant	1982 - 1983	2
Montreal Engineering	1981 - 1982	1½
Christiani Nielsen	1980	1
Howard Humphreys (Kenya)	1977 - 1978	3
Pencol Engineering Consultants	1974 - 1976	3
Marples Ridgway Limited	1969 - 1973	5

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DETAILED PROFESSIONAL EXPERIENCE

CONSULTANT April 1989 - Date

Consultant on various matters to clients, contractors, and subcontractors, typically -

- British Waterways Scotland: Review and Recommendations on safety of public access to Canals, and other associate Water structures.
- Scottish Government's Housing and Regeneration directorate: Contractual Review of ground stabilisation project for housing.
- Wiston Lodge: Mentor to a new charity to take over a YMCA Training Centre - Business Planning, Health & Safety, TUPE, and Accounting. Appointed a Director.
- Shopping Centre: Claim for disruption by Substructure and Frame subcontractor, including adverse impact of using a portal for document control.
- Annan Bypass: Earthworks claim. Prepared a claim document and analyzed all the rate of effort expended and rate of the recovery made.
- Rhu Marina: Claim for negligence against the Consulting Engineers after the collapse. Assessment of the commercial implications. Settled out of court.
- Glasgow Concert Hall: Disruption claim for the electrical subcontractor based upon an analysis of effort and instructions given etc, i.e. impact statements.
- Preparation of background briefing documents and subsequent management of the claims process for Cementation Construction Ltd on the positional stability and concrete socket problems on £140M piled jetty for the Shiplift at Faslane Nuclear Submarine base.
- Prepared the contract strategy for procurement by KCA Ltd, an offshore drilling contractor, of a £100M semisubmersible (KCA Bingo SPV), and wrote the contracts. Developed the financial procedures covering treasury, expenditure, and monitoring. Negotiated the design, and certification contracts.
- Developed and implemented a complete set of Quality Management procedures for an electrical, ship building and contracting group, resulting in a major reduction in the occurrence of adverse contractual situations.
- Developed and implemented Quality Management procedures for some sixty other construction, engineering, and manufacturing (fabrication and machining) companies under the Expert Help and DTI Support for Quality schemes.

Expert in the Contract Administration of Technical Documents, owning the copyright to the TDOC System, which has been used or is currently in use on £16 Billion of major projects. Software has been developed in conjunction with the users, and has been supplied bespoke and off the shelf. Typical major projects include:

Balfour Beatty for Retail Developments, RAF, & PFI Schools and Hospital Projects
Heery International Ltd - Edinburgh Airport Phase II, PFI Hospitals, Bank of England etc
Standard Life's Property Department, and Lothian Road Headquarters
Laing O'Rourke - e.g. Glasgow Airport, British Airways World Cargo Centre,
Hyundai Semi Conductor Plant, Scottish Widows' Edinburgh Headquarters
Veolia - Some 20 Waste Disposal Projects
Fyvie DMC & Ogilvie Construction for Factory construction
Teknica UK Ltd for various projects in Libya
Devonport Management Ltd's Future Facilities Project.
Amerada Hess' Scott Project.
Consafe - several Shell Brent B structures.
Intel's Chip Manufacturing plant in Dublin with International Design Consultants.
Tilbury Douglas PFI Prisons, and PFI Schools

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HIGH-POINT SCHAER:

January 1988 - April 1989

Senior Consultant engaged principally on the dispute between Trafalgar House and British Shipbuilders regarding the takeover of Scott Lithgow. This was a major takeover misrepresentation claim for £180m with responsibility for the following:-

- Review and evaluation of work order changes on all disciplines for a semi-the submersible rig Ocean Alliance (Ship 2002).
- Analysis by computer of the construction programme for fit out and modifications of the proceeding semi-submersible rig (Ship 2001).
- Computer support for the analysis of purchase orders and progress systems within this major shipyard.
- Review, evaluation and assessment of changes to steelwork for semi-submersible rig 2001's pontoons, and status of steelwork in general.

Also worked upon major civil contract claims providing technical input.

- A Piling claim. Plant costs & extension of time due to unforeseen ground conditions and design changes.
- Road works claim: Plant costs & extension of time for major highlands road.

LITHGOW ELECTRICAL GROUP: 1983 - 1987

From 1986 to 1987, Internal Consultant to Lithgow Electrical Group, and other group companies, engaged principally in the following activities:-

- Development of Computer Communication Products based on the IBM Cabling System. Including Sales and Marketing of Products and Major Computer contracts for Installations.
- Implementation of computer systems including Accounts, Material control, Manufacturing Systems, and Quality systems in both the manufacturing and contracting companies.
- Procedures and implementations to attain quality approval to BS 5750.
- Contracts Management of Electrical and Communication Projects.

From 1983 to 1986 Contracts Manager for Charters Dundas Ltd, part of the Lithgow Electrical Group, a consortium of Electrical Contractors, principally on their oil industry fit out contracts including for example:-

- For UIE on four modules on the Rough storage project: the As Built records: Preparation of final account including negotiation and settlement of claims.
- For Howard Doris on three modules on the Morecambe Bay Project: Analysis and review of tender, parent company guarantee etc. Setting up site and head office administration teams and procedures.
- In general terms, controlling and settling monthly accounts and interim claims. Preparation of final accounts including negotiation and settlement of claims.
- For the National Iranian Oil Company on a design and construct contract for switch and control gear, control of commercial matters including ECGD cover, advance payment bonds etc.

CONTRACT CLAIMS SPECIALIST 1982 - 1983

Self Employed Specialist Consultant advising on matters of contract, and conducting negotiations on behalf of clients.

- For Scanfield Ltd, a firm engaged in the supply and installation of industrial and agricultural multi-fuel hot water boilers, marketing and advertising assistance, and advice on contractual matters relating to the performance of their boilers.

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- For Pasco Limited, a firm specialising in Project Management on UK Oil and Gas projects for the Rough Storage Project: Review, analysis and recommendation of solutions to contractual problems including contractors program problems, extensions of time, and claims for additional payments. Audit of contractors proposals for methods of payment on disrupted milestone contracts, retention of moneys, bonds etc. Approval of payment valuations etc.
- For KCA Engineering Ltd, a medium size firm of Consulting Engineers to the Offshore Oil and Gas Industry on a design sub-contract for the Slant Drilling Rigs on the Morecambe Bay Gas Project: Review and negotiation of contractual problems including security of payment from main contractor. Preparation of claim for extra works, disruption and extension of time on fixed price design sub-contract against main contractor.
- For Haverton Hill Fabrications, in conjunction with KCA, preparation of claim of the main contractor's claims for extra works, disruption and extension of time as lead to main fabrication claim on fixed price design and fabricate contract against British Gas for the design and management element.
- For Press Construction (Northern), a major international contractor in many fields including Petrochemical, on the refurbishment of Scottish Gas Westfield Development Centre: Reviewed the completed contract and records including various tenders. Prepared claims for disruption, extra works and extension of time.

MONTREAL ENGINEERING: 1981-1982

Supervising contract Specialist with Monenco Overseas Ltd., (subsidiary of Montreal Engineering Company) a major firm of Consulting Engineers in the Thermal Power Industry supervising Electrical and Mechanical contracts (US \$300 million) for the Suralaya Steam Power Project in Indonesia.

- Analysis of Tenders and recommendations to client (the Indonesian State Electricity Board)
- Negotiation of the major contracts (design supply and erection)
- Administration of contracts including setting up Letters of Credit & Finance Agreements etc. Payment Verification, shipping etc. Handling and responding to contractors claims.
- Approval of Programme and Monitoring of Progress etc.

CONTRACT CLAIMS SPECIALIST 1980 - 1981

Self Employed Specialist Consultant advising on matters of Contract, and conducting negotiations on behalf of clients.

- For Agricon Services, a small civil contractor in East Africa on irrigation works, dams, etc: including design of small dams and works, and preparation of claims, negotiations etc.
- For Sathask Driam, a Thai based steel pipe manufacturer on their US \$20 million pipe supply contract in Kenya, including preparation of extension of time and additional costs claims. Also concluded negotiations for an additional advance payment of US \$3.6 million by an Engineers Certificate, in favour of the Contractors' Bank. Prepared budget and cash flows.
- For Pan World Engineering, a Philippine Management Contractor on supplies to the Water Industry: Redesign and Tender for pipes for major water Schemes, including the Al Ain water supply scheme. Also a feasibility study for Pipe Factories in Tunisia and the Republic of Ireland.
- For Zakhem Engineers an international Lebanese contractor: Preparation of Tenders for water supply schemes, and redesign of Pipe and Bridge works.
- For HZ and Co. an International Israeli Contractor: Preparation of Tenders for water and sewerage schemes. Redesign of River works, retaining walls etc. Preparation of claims for additional works, major changes on the Mombasa Coastal Water Scheme etc. Analysis of Tenders including discounting early completions.

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CHRISTIANI NIELSEN: 1980

Contracts Engineer with Christiani Nielsen, a Danish owned UK based Civil and Marine Contractor on their pre-funded reimbursable and fee contract with Alcan for an ore jetty in Eire (US \$50 million):

- Preparation of extension of time claims to protect the company's position.
- Preparation of the monthly budget and cash flow forecast for the clients approval. Unstuck the contract payment schedule.
- Identification of costs between "Reimbursable" and "Fee".
- Preparation of Sub-contracts including tendering etc.
- Reorganisation of the requisitioning/approval/buying/invoicing/accounting procedures.

HOWARD HUMPHREYS (KENYA) 1977-1979

Chief Engineer with Howard Humphreys (Kenya) Ltd, branch of an international firm of UK Consulting Engineers, on the 2nd Nairobi Water. Supply Project (US \$150 million):

- Feasibility Studies including DCF analysis, and Site Investigations for Dams, Tunnels and 200kms of pipelines up to 1.4 dia.
- Supervision of all detailed designs, including roads, bridges, etc.
- Preparation of all Tenders including Conditions of Contract.
- Prequalification of contractors, and visit supplier's works worldwide.
- Analysis of tenders, and negotiation of extra conditions of contract.
- Administration of contracts, - bonds, letters of credit etc.
- Preparation and update of project programmes and financing schedules for the World Bank, and other funding agencies.

PENCOL ENGINEERING CONS'LTS: 1974-1976

Senior Project Civil Engineer with Pencol Engineering Consultants, a major firm of Consultants to the Oil Industry on the Mombasa-Nairobi Oil Products Pipeline, based in Kenya:-

- Civil design of all supporting infrastructure, including roads, buildings, tank farm and pumping station foundations. Some on rock, and some requiring substantial piling.
- Design and routing of the pipeline 450 kms, access roads etc.
- Negotiation of all land acquisition and easements.
- Liaison with power, communications and local authorities.

MARPLES RIDGWAY LIMITED: 1969-1973

Engineer with Marples Ridgway, an international UK Civil Contractor:-

- Site Engineer on Midlands Links Motorway.
- Temporary Works and Planning Engineer in Head Office. Particularly on marine, river, and piling works.
- Overseas Division Design Engineer.