

Peter Lowe

Contact Details / Qualifications / Skills

Contact Details

Mobile: +965-7218204
Email: pjlwenz@gmail.com

Qualifications / Competency

Masters Degree (Civil Engineering)

B.E. (Civil)

M.I.P.E.N.Z. , Member of Kuwait Society of Engineers

Chartered Engineer (Civil, Structural), NZ

Certifying Engineer (Structural), Northern Territory Building Practitioners Board, Australia
Int. PE

All NZ Heavy vehicle licenses

New Zealand (trucks, heavy/light wheeled and tracked vehicles). Australian Driving licence.
Kuwait Driving licence.

AutoCad

proficient (2D/3D)

Languages:

Fluent/expert at English, basic Bahasa Malaysia and Mandarin.

Career Objectives

- Efficient management and coordination of major civil works.
- Clear and complete documentation of procedures and essential records for site quality control.
- Planning of work to ensure objectives are met.
- Cost control, payment and variation management.

Personal Statement

I am able to work in demanding environments while promoting good relationships.

I have a professional approach to my work, and have enjoyed strong staff support on my worksites.

I utilise current technologies to achieve efficient solutions at the workplace.

I am familiar with most major softwares: eg. Microsoft Office, Lotus, critical-path planning packages (MS Project etc.), database systems, and Internet, as well as AutoCad, structural and road-design packages.

EMPLOYMENT HISTORY

KEO INTERNATIONAL CONSULTANTS: September 2006 – present.

Project Manager/Construction Manager – Multiple Projects - Kuwait

I manage civil and marine projects on behalf of Kuwait Ports Authority, at Doha and Shuwaikh Ports. These include widening and deepening the Navigational Channel for Shuwaikh Port, new water reticulation systems at Doha Port, procurement and installation of 6 new Post-Panamax Ship-to-Shore container cranes, development of Shuwaikh Port, leasing of mobile container cranes, maintenance of container cranes, rehabilitation of filter systems for bulk reclamations, rehabilitation of concrete jetties, installation of new fenders (including new concrete), new wastewater and stormwater reticulation for Shuwaikh Port, subdivision redevelopment etc (30+ projects in hand) I am responsible for quality, time and cost for these projects, and manage the Design, Construction, and Supervision contractors. I review Contract documents, Method Statements/Calculations, Shop Drawings, daily/weekly/monthly reports from contractors, chair weekly progress meetings, prepare monthly reports, etc. Total awarded contract values at present: USD 22m, projects assigned but not yet in construction: estimated value USD 1b..

HYDER CONSULTANTS MIDDLE EAST April 2006 – September 2006

Construction Manager – New Wharf at Ruwais, United Arab Emirates: This is an Engineering, Procurement & Construction (EPC) contract, where, as Construction Manager I reviewed all Contractor proposals (design proposals, suppliers, materials, method statements, planning and monitoring, health and safety). I was responsible to ensure the project is delivered as specified, to monitor and report on progress, ensure safety and quality standards are adhered to, to review variation claims and progress payment claims. I have a team of civil, mechanical, electrical and marine senior engineers and inspectors reporting to me, to whom I allocate and coordinate review and inspection tasks.

SMART ASSOCIATES LTD.: January 2006 – April 2006

Senior Consultant: Management of the design team for: 70m x 75m truss-portal warehouse one internal prop every 3rd bay). Seismic strengthening of retail complex (post-tensioning brick walls, steel trusses, concrete shear walls), Construction Supervision, and Client Relationships Management.

SKM Darwin: January 2005 - 2006

Project Manager : Commercial and Industrial structures. Design team/SubConsultant management for: eight-storey apartment building, structural design of 80m x 120m retail department store (portal frame, 2 internal props), numerous minor structures. Client relationships and reporting, budgetary control, estimating and planning (cashflow and resources).

SMART ASSOCIATES LTD.: April 2001- January 2005

Senior Engineer Responsible for:

Design team management, Client reporting and relationships, fee estimates, Contractor progress payment certification. Subconsultant manager (architects, electrical, geotechnical specialists, etc.)

- Design of heavy marine structures (wharves, dolphins, etc) as well as industrial and domestic structural and civil design.
- Management of office during extended periods of owner absence.
- Resident Engineer in the Maldives for road construction project.
- Project Manager for wharf reconstruction (Havelock, NZ).
- Design of new wharf for RO-RO berth (CentrePort, Wellington),
- Design of mooring dolphins (Kings Wharf, CentrePort, Wellington).
- Site reports (foundations, wastewater disposal) for domestic sites.
- Design of a major (30m width) haul road (including hydrology, culvert and pavement design) through rugged terrain.
- Subdivision design (roading, services).

PORT MARLBOROUGH NZ LTD. : April '99 – April 2001

Client Representative: Shakespeare Bay Wharf:

- Management of sub-consultants (survey, design) during construction phase.
- Oversight of Contractor to ensure that quality and time objectives are met.
- Reporting to senior management and providing liaison at all Contractor/Client/Consultant meetings.
- Progress Payment Certificates
- Monitoring of concrete statistics and progress.
- Design work for client (bridges, light-tower foundations, linkspan design).

DUFFILL WATTS INDONESIA: July '98 – December '98

Structural Engineer: Wayang Windu Geothermal Project, Pangalangen, West Java, Indonesia.

- Management of SubContractor on Pipelines and heavy structural construction (including launching of bridges).
- Chair and minute daily meetings with 4 Construction Managers, Planning and Project Managers .
- Responsible to ensure product is to ISO 9002 documentation and meets quality objectives.
- Fast-tracking a behind-schedule project, with 1400 workers on this part of the project, excluding management (80 at DWI, 200 at subcontractor).
- Progress monitoring.
- Liaison with sub-consultants.

TOYO CONSTRUCTION: – March'96 – June '98

Chief Civil Engineer: Lahad Datu Expansion Project, Sabah, East Malaysia.

Toyo construction implemented all physical works relating to wharf structures, as a contractor to Kawasaki Steel, the Project Management team.

As Chief Civil Engineer I was responsible for:

- Onshore (eg casting yard, pile handling, batching plant, pre-stressing yard) and off-shore concrete works.
- Maintenance of communications with all parties (Resident Engineer, Main Contractor (Kawasaki Steel), SubContractors, Client).
- Supervision/management of subcontractors, including scheduling formal daily meetings.
- Reviewing and planning the sequence of work to ensure our goals could be met
- Document systems (databases for: Drawing Register, Correspondence, Bill of Quantities/Variation, a Bar-bending (for reinforcing steel), Daily Report)
- Involvement in regular full-site Safety Meetings, including addressing workers on specific safety issues.
- Coordinated implementation of ISO-9001 systems for all aspects of the job.
- Created and implemented a concrete testing database system, providing daily reports on curing & testing requirements, and accumulating job statistics.
- Checked subcontractors formwork and falsework calculations, critical survey calculations, lifting systems for precast elements.
- As-built Drawings from information provided by site engineers (using Autocad).
- Provide Method Statements for all items of work.
- Active participation in weekly client meetings.

DAVIDSON PARTNERS: August '93 - March '96

Consulting Engineers, Blenheim:

Senior Consultant

Urban Water Supply and treatment:

- Contract document preparation, project management and supervision for an urban water treatment system (dam aeration + pressure filtration).
- Design of airline and pump for intake dam, pump-matching to enable balancing reservoir to be utilized.
- Checking of pressures/flows to ensure compliance to design criteria.
- Analysis of network / matching of pipes to computer simulation.
- Design of heavily loaded industrial structures and foundations to resist seismic forces.
- Design of stormwater systems (open channels, buried pipes with sumps, etc).
- Structural design of a large supermarket (Pak 'N Save Northlands, Christchurch).
- Design of retaining walls.
- Design of off-shore anchorages for mussel-farms.
- Development of an analysis system for stormwater reticulation.
- Slope and foundation investigations and reports.
- Subdivision supervision and as-built preparation.
- Preparation of reports.
- Familiarity with NZ/Australian Steel design code, and limit state design.

DOWNER MINING LIMITED: Jan '89 - August - '93

Martha Hill Mine, Waihi: Engineer / Surveyor – Dec '92-Aug'93

I supplied design and survey data for both operational and payment requirements. I set out all batters and interfaces for bulk earthmoving control. I measured and calculated volumes of irregular cuts/stockpiles, planned and supervised day-to-day activities on the dam.

Head Office, Greenlane, Auckland Development Engineer Jan '89 - Dec '92

Senior Estimator: Developed a database bidding system.

Created a truck-haul modeling program controlled within a spreadsheet.

Analyzed company financial figures (including risk analysis).

Designed and introduced a plant reporting system, which created reports on both plant availability and work that the plant has done.

Developed various managerial overview indicators, showing, for example, how the current fleet is aging.

Surveyed a major haul road proposal in difficult terrain, designed the road, and costed it.

Set-out for construction an earth dam with internal material boundaries.

Worked in Hong Kong, closing major bids for the Tai Ho and Yam O sections of the North Lantau Expressway (part of the Chek Lap Kok Airport development). I estimated the quantities for the Tsing Yi part of the North Lantau Expressway.

DOWNER AND COMPANY LIMITED : June '84 – Jan'89

June '84 Jan '86: Business Development Engineer

I created a bid database for a major bid (Yonki Dam). I worked on analysis of hydro potential within New Zealand, analysing, reviewing and summarizing many reports commissioned by various organisations.

Analyzed creep deformation of large concrete beams during construction for the Auckland Children's Hospital.

I investigated thermal effects in mass concrete placement during a bid for the Maui-B oil platform. Developed a performance monitoring system, and implemented this at both Motunui Gas-to-Gasoline and at Kaitaia Triboard Mill. I developed a financial model for fast-track building developments.

Jan'86- Jan'89 : Project Manager/Engineer

Planner and Expediter / Deputy Project Manager: K-Mart/Foodtown complex in Henderson, Auckland. Management of sub-contractors, and management of the project team.

Contract Manager on the Cable Price Steel redevelopment in Plunket Ave, Manukau.

Project Manager for the Manukau Greyhound Racing Stadium.

NEW ZEALAND RAILWAYS CORPORATION: March '82 - June '84

Senior Engineer. Management of design teams. Responsible for maintenance of permanent way and structures between Hutt Valley and Waipukurau, and the Manawatu Gorge. Supervised replacement of bearing plates to the Mangatira Viaduct. Managed span replacements and underpinning of major bridges. Designed and supervised construction of numerous small structures. Managed an industrial conflict to a successful resolution.

Assessed catchments for flood potential as part of my design of culverts and bridges.

CANTERBURY UNIVERSITY: February '81 - March '82

Completed a Masters Degree in Engineering (Civil). Studied prestressed/post-tensioned concrete design, bridge design, advanced structural steel design, and shear-wall high-rise building design.

MORRISON COOPER AND PARTNERS: June '79 - February '81

Graduate Engineer. Analyzed truss viaducts, and designed various industrial structures (portal framed buildings, elevated corridor on cantilever poles, etc.)

**MARLBOROUGH REGIONAL CATCHMENT AND WATER BOARD:
January '79 - June '79**

Graduate Engineer. Surveyed a proposed floodway route and designed various floodways and costed these. Aided in earthwork setout, culvert construction and hydrographic analysis. Designed rock protection sizing for scour protection. Estimated peak flood discharges from catchment characteristics and historical records.

MWD (WATER & SOILS) November '78 - January '79

Graduate Engineer Analyzed the power curve for HighBank Power Station from historical daily records. Designed freeboard requirements for canal bridges at points of constricted flow. This involved calculating backwater curves. Determined an equitable and practical scheduling system for water allocation to farmers sharing an irrigation system.

General: I believe that I have demonstrated flexibility and the ability to meet new challenges.

Other Interests:

I am keen on outdoor pursuits, and enjoy wind-surfing. I swim regularly. I like to explore the coastline on foot. I play tennis occasionally. I enjoy water sports, leisure games, walking, and the company of friends and family.