

WILLIAM ANTHONY STEWARD

BE, MBA, MIE Aust, CP Eng, NER, APEC Eng, Int PE (Aust)
12 Rue Maurice Champeau, Issy Les Moulineaux, France 92130
FR (33-1) 4638-4668 / (33-6) 8682-1261, India (91) 86-5708-9601 • wasteward@hotmail.com

SENIOR MANAGER / DIRECTOR

Project & Const Management, Engineering Management, Commercial, Facilities, Operations

Chartered civil engineer (CPEng) and senior project manager (BE/MBA) with 30 years experience in all aspects of strategic planning, design and construction management of complex building and infrastructure projects under various conditions of contract including FIDIC. Experience includes projects in Korea, KSA, UAE, India, PAKISTAN, Qatar, Russia, Iraq, Kuwait and various African countries:

- Business Management
- Major Projects : Program, Project & Construction Management
- Master Plan & Pre-construction Management
- Commercial Building; High-Rise; Mixed-Use; Retail; Residential; Medical; Stadiums etc
- Infrastructure; Heavy Civils; Marine Reclamation; Water Treatment; Dams; Piping Systems, O&G
- Transportation: International Airports; Rail Systems; BOT Highway projects (Kwangju Beltway)
- Mission Critical IT Facilities: Data-Centres & Submarine Cable Landing Stations

HEAVY CIVIL ENGINEERING PROJECT MANAGEMENT: Planning, Design and Construction

\$X.XB Delhi International Airport, Delhi, India, (2019-20)

Turner Construction: FIDIC contracts. Elevated roadway/ramps, 2.5 kms Eastern Cross Taxiway air-bridge over access highway, new 11L/29R runway pair; taxiway upgrades at 10/28 and 9/27.

\$1.5B New Islamabad International Airport, PAKISTAN, (2015-17)

FIDIC contracts: Landside and Airside infrastructure including runway 10R/28L, rapid exit taxiways, apron areas, cargo apron, GSE roads, airfield power & lighting, ATC complex, Ramma Dam construction and associated piping networks, water treatment plant, elevated water tower, chilled water, STP.

\$0.75B Kuwait International Airport – Upgrade Packages 2&3, (2013-14)

FIDIC contracts: Runway 15R/33L, upgraded 15L/33R & 15C/33C, cargo apron and taxiway vehicle underpass, substations, MV & comms networks, water-drainage-sewer-irrigation-FF, GSE roads.

\$380M KOMO Airfield, Southern Highlands, Papua New Guinea (2011)

Consultant: Exxon-Mobil Hides LNG: 3200m runway serving AN124 HL cargo aircraft in remote mountainous terrain requiring +/-30m cut & fill in adverse environment of 5m rain/yr with 80% saturated volcanic soils unsuitable for HD earth-moving equipment. Identify local quarry sources to supply 467,000 cu.m crushed rock 150/37mm to construct runway sub-base, redirect streams, build dams etc.

\$350M Kwangju Beltway, Korea, (2002-04)

Bovis Lend Lease: Kwangju city bypass of 3.5 km, dual 3-lane expressway w/ 2 bridges, 2 tunnels and one interchange. Delivered in conjunction with BOT bankers Shinhan-Macquarie Infrastructure Group, Halcrow Eng. Consultants, Kwangju Ring Road Co., Ltd and other stakeholders.

\$5.5B Incheon International Airport, Korea (1994-95)

Turner Construction: FIDIC contracts. Marine reclamation of 55 sq.kms, compaction & consolidation of 15kms earth-rock filled dike system w/armourstone; drainage lagoon w/spillway, 10m tidal control.

\$2B Riyadh Diplomatic Quarter, Riyadh, KSA, (1983-86)

Riyadh Development Authority: An 800 hectare site with 30m perimeter earth berm, site roads, highway off-ramps, drainage, sewerage, water treatment. \$800M King Fahd Express Way tunnel ventilation; Washem & Shamesi ground water pump-stations and water treatment plant.

\$5B King Khaled International Airport, Riyadh, KSA, (1979-83).

Arabian Bechtel: Ground Service Equipment roads, runways, power distribution, water supply, drainage.

\$X.XB Delhi International Airport, Delhi, India

Turner Project Management (Mumbai) Ltd : Terminal Works Director (2019–2020)

Upgraded and extended 180,000 sq.m Domestic Terminal T1 comprising new T1A arrivals building w/10 carousel BHS reclaim linked to renovated T1D Departures with expanded check-in and upgraded BHS. New Node link building and 475m Pier w/ 22 gates. An expanded apron with 82 remote stands, bussing lanes, widened city-side vehicle ramp, 2.5 kms air-bridge spanning access highway, new 11L/29R runway pair; upgrades at 10/28 and 9/27; Upgrades to International T3 check-in and BHS.

Key Highlights:

- Managing the challenge of executing the works without disruption to normal domestic departure & arrival operations, passenger processing, security screening, baggage handling, retail business etc.
- Construction of new T1A arrivals hall in two parts; the first part to a stage where arrival operations can begin to allow demolition of the existing T1 arrivals hall. The second part to complete remaining T1A work up to the existing T1D departures building at critical K-grid interface where new meets old.
- Construction planning for the K-grid connection involving sub-structure and superstructure works, modifications and additions with important public health, safety, environment and service operation requirements incorporated into the plan. Utilising BIM & 360° camera technology to advantage.
- The progressive taking over of adjacent apron airside areas for new 80,000 sq.m Node and 475m long Pier buildings while bussing operations continue unhindered from remote stands to existing T1 arrivals hall and maintaining those operations into start-up of the first part of the new T1A hall.
- Planning and executing the steelwork, roofing and façade programs to enclose new T1A building and allow finishes work to proceed along with MEP & BHS installations, start-up, test and commission.
- Developing VE concepts e.g. to enable more rapid construction of the 475m long Pier base structure.
- Expediting program to complete construction and fit-out of Utility complex and tunnel works.
- Construction expansion of city-side vehicle approach and departure roadway/ramps.
- Coordination of T1A works interfaced with Delhi Metro (DMRC) airport station construction.
- Progress review of terminal building design: architectural, structural, civil, MEP in preparation.
- Attendance at design and progress meetings with client / contractor; analysis/reporting on progress, quality, safety issues. Special meetings for architectural issues, interiors, façade glazing etc.

Capital works program shut-down due to Covid-19 and since re-started.

\$1.5B New Islamabad International Airport, Pakistan

Mott MacDonald : Project Manager (2015–2017) - Islamabad

Civil Aviation Authority of Pakistan (CAA)

Appointed as PM to lead the PMC/Engineer team of 12 aviation system specialists and 120 local engineers and managers. Scope covered the design and construction of 17 FIDIC airside & landside packages, targeting works completion, operational readiness testing & commissioning of facilities including 200,000 sq.m PTB & 15 gates plus all aviation infrastructure / systems for a phased opening starting Aug 2017. MML/MMP took over the works in May 2015 from the Civil Aviation Authority (CAA) with the brief to take control, pick up the pace of progress and drive the project to completion “*Driving The Project Forward*”.

Key Highlights:

- Provided direction and leadership to PMC team and all stakeholders to rapidly progress the work from 40% to practical completion in that time to the acknowledged satisfaction of the client.
- Organised and chaired design meetings and workshops with design consultants (CPG for PTB, PBBs, BHS & Special Systems; ADPi for airside Infrastructure, CatII/III runways 10R/28L, aprons, power, lighting, nav aids, ATC etc) to resolve outstanding design issues affecting progress.
- Worked closely with the 17 package contractors to achieve progress improvements by optimising the allocation and utilisation of available manpower and resources with enhanced commitment / coordination to realise tangible airport-wide gains in output, quality, safety and client satisfaction.
- Prepared and presented inception, monthly, special reports to key CAA and ministry stakeholders.
- Managed transition from construction into ORAT phase in conjunction with client operations team providing in-depth advice & support to CAA preparations for operational transfer and testing.
- Reviewed contractor claims including previous administration claims backlog.

\$0.75B Kuwait International Airport – Upgrade Packages 2 & 3

DAH / JQEC JV: Project Manager (2013)

Client: Directorate General Civil Aviation (DGCA)

Bid Pack2: Supervision Final Design & Construction - Admin Building, Fire Stations (2).

Bid Pack3: Concept Design & Tender documentation: Pavements and AFL, new 15R/33L, upgraded 15L/33R & 15C/33C. Fire stations, cargo apron and vehicle tunnel, substations, MV and Comms Network, water-drainage-sewer-irrigation-FF distribution, VVIP apron and substations, GSE roads etc.

Key Highlights:

- Led the core team of 45 as project manager for Dar Al-Handasah / Jassim Qabazzard Engineering Consultants for Bid Packages 2&3 as Project Engineer acting on behalf of the Directorate (DGCA).
- Developed project administration plan and monitored the overall execution of the project(s).
- Coordinated with the Directorate to ensure that DGCA requirements were met.
- Acted as point of contact with DGCA departments, MOW, MEW, MOC, KAFCO to obtain information critical to the BP3 concept design development.
- Acted as point of contact with DAH (Beirut) home office re-development of BP3 documentation.
- Managed/coordinated interfaces between BP2 & BP3 and airport operations on continuous basis.
- Proactive lead in establishing project objectives, cost & time constraints, administrative, technical and contract and permitting requirements under FIDIC conditions of contract.
- Maintained standards & procedures adopted in the performance of the works such as submittals processing and variations procedures.
- Managed organisation & manpower requirements, establishing mobilisation schedule and duties while ensuring performance through continuous monitoring.
- Defined communication channels between all parties.
- Identified and assessed potential problems in order to develop timely solutions and prevent delays.
- Oversaw the works and issued certificates and notifications as per contract conditions.
- Liaised with Directorate on matters relating to claims for additional cost & time.
- Conducted periodic progress meetings with stakeholders and monitored technical meetings.
- Attended DGCA Steering Committee Meetings to present progress and performance updates.
- Produced monthly progress reports to DGCA.
- Checked & issued interim and final payment certificates for DGCA approval.
- Advised with respect to time & cost implications on variation orders.
- Monitored project budget and time schedule providing recovery recommendations as necessary.
- Ensured that project EHS and quality programs were enforced.
- Project closeout and handover certification.

LEND LEASE PROJECTS : 1996 to 2012

International leader in real-estate, project and construction management serving clients on 6 continents.

\$1B Project FALCON – Flag Telecom / Reliance GlobalCom, Dubai, UAE

LL Project Manager : Facilities & Fronthaul 2005-2010; Consultant : 2010-2012

Seconded from Lend Lease and based in Dubai as regional lead for Project FALCON reporting to the Director Programs (Heathrow, UK). A coordinated launch of submarine telecom services to 15 countries between India and Egypt with scope involving 20 data-centre projects, 1500km of terrestrial fibre infrastructure and 10,300km of marine cable. Critical liaison to local Landing Parties (ex-Telcos) and stakeholders, parties to agreed capacity-user agreements (CUA's), providing direction on contracts, scheduling, legal compliance, permits, security, supply-chain, engineering, construction and delivery, quality and operational performance. Lead with site evaluation and selection / acquisition; expedited hiring of consultants and subcontractors. Consolidated field survey and inspection data to develop TIA-942 facilities design, Uptime Institute Tier 3-4 compliant at Day-1 RFE/RFS. Developed programs, plans, methods and procedures to manage the roll-out of facilities and terrestrial fibre infrastructure coordinated with marine master-schedule cable landing milestones and contract terms. Managed LP relationships in liaison with cable-equipment vendor and marine cable-lay contractor Alcatel Submarine Networks (ASN), controlling the order, receipt, installation, testing, training, acceptance, O&M. Interfaced across all

functional departments. Attended project control and per-country Joint Working Group Meetings, technical sessions, prepared reports, submitted updates to HO.

Key Highlights:

- Planned and led a global facilities programme comprising 20 phases spanning multiple countries (15) and regions (Indian Ocean, Gulf, Red Sea) w/ diverse working conditions and risk situations.
- Delivered facilities and fibre to all locations including those at special risk i.e. Sri Lanka, Sudan, Yemen and Iraq – on time, meeting tightly specified contract T&C's and delivery, in line with rigorous technical requirements and UI Tier 3-4 compliance for quality, reliability and resilient operation.
- In regions with grid power supply issues, consulted power companies to ascertain short and long-term development objectives; design, size and procure M&E plant and equipment accordingly to ensure reliable and resilient (2n/n+1) AC & DC power supply, with appropriate standby power, UPS, A&B battery back-up, HVAC, FSS. Produced single-line diagrams, control schematics, interconnection details, PB/EOS cable-breaker schedules, small-power/lighting/grounding/cabling layouts plus fibre routes incoming and internal to top or bottom-fed equipment w/wo raised floors.
- Attended 3rd party liaison meetings with energy companies to agree fibre crossing points through Persian Gulf O&G concessions near Ras-Laffan; cable crossing export gas pipelines Qatar-UAE.
- Cleared political, social, environmental and infrastructure hurdles to complete the facilities and fronthaul (terrestrial) cable laying programmes on time and safeguard client financial interests.
- Undertook technical surveys and site selection investigations for next phase NGN-East, Project PEACOCK a submarine cable telecommunications network extending from Chennai, India-East to Ranong & Chumporn, Nha-Trang and Tong-Fuk (HK) to link with Flag N.Asian Loop system (FNAL).

BLL Senior Project Manager (2002-2005) – Seoul, Korea

Led project planning and implementation on hundred-million dollar development and construction works throughout Asia Pacific on major public-private-partnership initiatives (PPP), high-rise buildings, mixed-use retail, fit-outs, manufacturing facilities and military base expansions (e.g. Yongsan & Osan Air Base). Spearheaded cross-functional and cross-cultural project teams in the handling of scheduling, resource allocation, permitting, design management, budget planning, forecasting, and construction.

Key Highlights:

- \$350M Kwangju Beltway: A PPP initiative delivered in conjunction with BOT bankers Shinhan-Macquarie Infrastructure Group, Halcrow Engineering Consultants and other stakeholders.
- \$250M 21/F Seoul Finance Centre redevelopment and fit-out w/Morgan Stanley Properties;
- \$100M Southern Data-Centre and cable landing station for Flag Telecom J/V w/ Korea Telecom & Level3-Asia as part of the Flag North Asian Loop (FNAL) submarine telecommunications cable network. A mission-critical Uptime Institute Tier-4 facility. From feasibility – RFE in 9 months.
- \$335M 88/F 2-IFC, Hong Kong (Cesar Pelli): Pre-construction review of substructure engineering and superstructure construction methodologies for podium and tower (for CWPPM & Arup HK)
- At-Risk Works (building upgrades, fit-outs) – a milestone in Korea for a foreign PM/CM company.
- \$75M Pusan Aquarium (Peddle-Thorpe Architects): Financed and delivered with stunning success in ROI terms and payback for the Australian owner-operator. A major FDI milestone in Korea.

**\$750 Million Sheremetievo Airport Terminal 3 - Aeroflot Russian Airlines, Moscow, Russia
BLL Project Manager (2001-2002)**

Responsibilities/Tasks:

- Led the Pröect (development) phase for preconstruction, assembling a team of 10 specialists in construction, aviation, commercial, legal, Russian regulations and standards (GOSTS-SNiPS).
- Organised a detailed assessment of the project in collaboration with the various stakeholders, analysing the McKinsey Feasibility Study along with other key factors.
- Provided in-depth, front-end management and direction in key areas such as development of the design brief, project execution plan, master schedule, systems plan, construction packaging airside / landside, cost & budget, long-lead procurement, specialist consultants for e.g. interiors and retail planning.

- Analysis of all operational interfaces including liaison with the airport operator, customs-immigration-quarantine, security, baggage-handling etc for the development of matrix criteria for the sequenced transfer of Aeroflot Airlines flight and ground operations from terminal 2-3 (now F-D).
- Liaison with Russian Rail, Moscow Metro and transportation consultant Aeroproect to incorporate high-speed, airport-downtown rail links into the T3 master-plan.

Key Highlights:

- Led bid processes for site preparation / remediation works
- Prequalification and briefing of design consultants and contractors for design-build contract.
- Design-build FIDIC contracts developed in conj. w/legal consultant Debevoise & Plimpton (NY).
- Issue of RFP, review of proposals and submission of report to Aeroflot.
- Aeroflot awarded 172,000 sq,m passenger terminal building design-construct contract to ADPi and contractor ENKA. The construction phase was delayed to 2005-2009.

\$2 Billion ASEM & Korea World Trade Centre Expansion Project – Seoul, Korea
BLL Project Manager (1996-2001)

Oversaw pre-construction and construction phases of this mega, mixed-use project on behalf of the Korea International Trade Association (KITA). Key player in the expansion of the Centre to include a 41-story ASEM office Tower, 29-story COEX Intercontinental Hotel, 6,500 seat convention centre, 1750 seat auditorium, 100,000sq.m COEX Mall w/ 16-theatre Cineplex, 100,000sq.m Exhibition Centre extension & renovation and 8,600 sq.m COEX Aquarium integrated development. Participated in preconstruction design, budget planning & forecasting, scheduling, resource and project controls planning. Following which led the PMC group on site through construction phase to help deliver the project into operation as a key part of the client's 150-man technical team.

Key Highlights:

- Instrumental in completing deliverables on time and on budget, facilitating timely preparation of the COEX Centre Complex for the August 2000 Asia-European Ministers Meeting.
- Assisted KITA in securing the services of top architectural firm, Skidmore, Owings & Merrill (SOM).
- Advised KITA on early retail planning, anchor tenancies, space utilisation and spin-off developments such as 3-level COEX Aquarium, 24-story City Air Tower, Oakwood COEX hotel and Galleria Mall.
- Design management of SOM and local A/E's through concept, schematic and CD's.
- Identified early value-engineering savings of \$millions to KITA on 5-basement foundation design and advance procurement of heavy steel plate from HHI to expedite high-rise tower construction.
- Advised KITA on strategies to preserve liquidity and project viability amid the 1997 Asian crisis.
- Managed the steel program for fabrication, delivery, temporary works, pre-assembly, transfer and erection of 80m long x13m deep steel trusses spanning the roof of the 6500 seat convention centre.
- Managed the façade program utilising specialist design consultants (WS Atkins) and suppliers (e.g. McCalls) for 7500 sq.m vertically-hung Concourse glass curtain wall, 2000 sq.m Entrance area special tension glazing systems, largest in the world in year 2000 and 1750 sq.m glass pyramid roof to the B1 basement food court. Mock-up testing being conducted in Korea & USA. Initiated a value re-engineering of the box-base, coil spring tension-system design to ensure more reliable operation.
- Advised KITA on its marketing strategy for office-tower leasing and retail space launch.
- Provided facilities management services until hand-over to the responsible authority.
- Earned name recognition from KITA via granite engraving in the World Trade Centre garden.

TURNER Construction Co., Seoul, Korea (1994-1995)
\$5.5 Billion Incheon international Airport
Contracts Manager (FIDIC)

Preconstruction Program Managers: J/V Turner, Parsons, Korea Power Eng. Corp (KOPEC) and ICT.
Client: Incheon International Airport Authority (IIAA).

Mega-airport development for 100M PAX/year on a 55sq.km marine reclamation located between Yeong-Jong and Yong-Yu islands off Incheon. T1 PTB of 500,000 sq.m designed by Fentress-Bradburn. Two parallel independent runway pairs of 3750m w/Cat3B ILS. Future T2 of 750,000 sq.m. Transportation Centre of 250,000sq.m (Terry Farrell design) including terminus station for KORAIL TGV Inter-City service, HS City-Link Express, Metro Rail, People-Mover and 870m Intra-Airport Transit (IAT) serving T1 and 170,000 sq.m airside Concourse C1; vehicle ramps and car parks. Construction started in 1994 and flight-testing began in 2001.

Responsibilities/Tasks:

- Master Plan:
Participated in PMC team review of 1992 Bechtel-Yooshin master-plan covering T1, future airside concourse terminals C1-4 and final phase T2 expansion. Associated inclusions - business park and free trade zone, 873hectare airport township on Yeong-Jong island; resort and leisure concepts for marinas, hotels, theme parks, golf courses; planning for mainland Incheon & Songdo City road & rail bridge access to Yeong-Jong; berthing facilities for coastal tankers, cargo vessels, passenger ferries.
- Design development review of airside and landside facilities through schematic and DD stages including reclamation works, dike construction, PTB building works.
- Contracts (FIDIC): \$150M HS BHS, \$73M IAT, \$63M PBBs.
- Systems: Development review airport-wide IT comms system and MSI plan.
- Development of project controls system, project-wide ISO 9000 QA/QC system.

Key Highlights:

- PM oversight of marine reclamation using one of the world's largest assembly of dredging vessels
- Closure of the main dyke system and drainage operations to the 55 sq.km marine site
- Trial compaction and consolidation testing – surcharge, dynamic compaction, wick drains etc.
- Construction of seawall and other marine revetments / shore protection systems.
- Installation of dike stability monitoring systems for diff. settlement, toe erosion, tetrapod system
- Test piling for passenger terminal building substructure and basement works
- Design and construction of the combined IAT/BHS tunnel from PTB to future airside Concourse-A
- Advance pavement testing – runways, taxiways, apron areas

GLOBAL TRADENET CORP, Los Angeles, CA, USA (1988-1994)
International Marketing Director-Asia-Pacific

- Key member of IT team that created and managed the development, testing, marketing and eventual sales distribution of InfoNet-based program to link existing global trade networks for e-commerce with application to multi-sector international trade, marketing & sales, procurement and investment.
- Conducted economic analyses, prepared feasibility studies, budgets, financial models, business plans and proposals for project developments and investments in areas such as airports, business parks, economic free trade zones, privately financed transportation-related initiatives.
- Developed and fostered agency, client and partner relationships; e.g. telecommunications companies, DoC, foreign trade commissions, Exim bank, development banks, ECA's, MLA's, investment banks, ITT, WTC, aid agencies, manufacturers, wholesalers and retailers, trading companies, auction houses, customs agents, air-cargo companies, courier services, shipping, freight forwarders etc.
- Directed marketing and sales team; exhibiting twice at Comdex and at other trade fairs in the U.S., Asia and Europe.

RIYADH DEVELOPMENT AUTHORITY, Riyadh, Saudi Arabia
Project Manager - Civil / Structural (1983-1986)
\$1B Riyadh Diplomatic Quarter, Riyadh

An 800 hectare site for 120 embassies relocated from Jeddah, residences, government buildings, commercial corridor development and full complement of community facilities, clubs etc:

- Reported to the Director-General Planning and Construction.
- Managed the structural & civil team of engineers and inspectors.
- Co-ordinated multi-disciplinary design by international arch/engineering consultants.
- Contract management of all building and civil works.
- Site supervision of consultant site managers and contractors, assessing progress, quality, managing approvals, reviewing claims, commissioning of facilities, practical completion.

Projects in the Metropolitan Area

- \$1B Justice Palace District Redevelopment (45 hectare Kasr-al-Hokm city centre) – Incl. Emirate, Municipality, Police HQ, Justice Palace, Grand Mosque, Cultural Centre, pedestrian precinct.
- \$1.1B Min. of Foreign Affairs Staff Housing - 612 housing units in 39H self-contained community.
- \$800M King Fahd Express Way – Tunnel ventilation, Washem & Shamesi pump-stations & WTP.
- \$35M Refurbishment of 70 villas and 3 palaces of the late HRH King Abdul-Aziz.
- Master planning the superceded Riyadh City Airport for military and general aviation use.
- Master Planning 350 sq.km Al-Thumamah Nature Reserve to the north of Riyadh.

ARABIAN BECHTEL Co. Ltd (ABCL), Riyadh, Saudi Arabia
Senior Construction Engineer/Manager (1979-1983)
\$5B King Khaled International Airport, Riyadh

New EPCM Airport contract for MOD & Civil Aviation. Comprising four HOK-designed passenger terminal buildings of 190,000 sq.m, link structures, air cargo facilities, ATC complex, two parallel 4200m runways, multi-story car parking, 3 housing & community facilities compounds, hotel, sports centre, golf course.

Responsibilities/Tasks:

Held various roles from field engineer, deputy RE and construction engineer up to CM level. Scope of responsibility included passenger terminal building excavation and foundation construction; sub-structure works; superstructure steel fabrication / erection; airport infrastructure works and Area-I housing & community facilities projects. These consisting of 750 housing units under contracts PF4-\$250M, PF5-\$350M, CS45-\$100M, CS46-\$250M, CS47-\$350M, CS61-\$20M & CS62-\$25M.

Field Engineering:

- Interpretation of design drawings and specifications.
- Preparation of cost estimates, material take-offs.
- Multi-disciplinary design coordination / design change review.
- Review/approval of contractor shop-drawings, material submittals, mock-ups.

Management of Construction:

- Organized and directed construction supervision teams.
- Developed and approved construction methods and procedures.
- Planning, approval, coordination crane plans, temporary works, site access & logistics.
- Area activities and related interfaces e.g. roads, power, water, drainage, signage, environment.
- Schedule management and control.
- Reported on construction progress.
- Field change control process.
- Project controls reporting, progress payments, estimating, forecasting, materials on-hand.
- ABCL provision of govt-furnished material – aggregates, concrete, rebar, asphalt, fill, water, fuel
- Local and international procurement; shipping, customs clearance, road transport
- Post construction claims analysis – EOT's, VO's.

EDUCATION & CREDENTIALS

Post-Nominals

BE, MBA, MIE Aust, CP Eng, NER, APEC Eng, Int PE (Aust)

Master of Business Administration Finance, Marketing & Real Estate

University of California (UCLA), Los Angeles, USA – June 1988
Anderson Graduate School of Management

Bachelor of Engineering Civil / Structural

University of Melbourne, Australia – April 1969

CPEng : *Chartered Professional Engineer, Australia*
MIEAust : *Member Institution of Engineers, Australia – May 1969*
NER 2024 : *National Professional Engineers Register, Australia*
APEC Eng : *Registered APEC Professional Engineer*
Int PE Aust : *International Professional Engineer, Australia*
Member : *Australian-American Chamber of Commerce, LA*

PROFESSIONAL TRAINING

Advanced Project Finance, Structuring Risk, Funding, Modelling
Legal Contracts & Insurance
Cost Accounting
Cost Engineering
Environmental Health & Safety (EH&S)
ISO9000 Quality Systems

AWARDS

Commonwealth Tertiary Scholarship – Australian Government
Corporate Finance – UCLA Business School
Business Mathematics & Statistics – UCLA Business School

COMPUTER SKILLS

MS-Office Suite, PhotoShop, Adobe
AutoCAD, SolidWorks, ETABS, Prokon, PCA
Primavera P6, MS-Project, SureTrack, Aconex, Procure, Expedition etc

LANGUAGES

Fluency: Korean (50% Sogang-Univ, Seoul), French (75%), Arabic (50% Bechtel, KSA)
Conversational: Bahasa Indonesian (High-School), other language familiarity

PERSONAL

Marital Status : Married
Children : One – university student
Sports: Health & fitness, golf, tennis, scuba, cycling, skiing, hiking-camping-climbing