
Graham Storrie—

Infrastructure Lead – Middle East



Experience Overview—

Graham has over 30 years' experience in the management and design of transportation, highways and civil infrastructure projects. He is a Chartered Civil Engineer and Project Manager with considerable experience of technical and contractual matters relative to projects and professional services. Graham has significant experience of client and stakeholder engagement both in the UK and Middle East and has been involved in the initiation, development and management of domestic and international alliances. He has specialist knowledge and experience of risk, value and change management.

Technical Design

Graham has extensive technical design experience, gained in the UK and overseas with leading roles on significant projects including the Qatar Armed Forces General Headquarters, Tay Road Bridge Column Strengthening, Dundee Airport Runway Strengthening: UK and the EPIC for Road Upgrade in Zekreet, Qatar. Making significant contributions to all stages of a projects evolution he creates an environment which encourages innovation in design, construction and project management providing technical guidance and advice on transportation, civil and infrastructure projects.

Project Management

Graham has extensive design and construction experience in highways and infrastructure projects as well as significant management capabilities, strong stakeholder, client and design team leadership on large multi-disciplinary projects. Establishing, managing and maintaining a structured and quality centric operating environment Graham has previously led stakeholder workshops to establish functional requirements, effective delivery strategies and robust financial appraisals.

Graham has strong diagnostic and negotiating skills and is an experienced decision maker with specific knowledge of value management.

Leadership and Management

Operating within strategic, operational and functional environments Graham has extensive leadership, management and planning experience allowing him to establish an efficient and appropriate course of action, develop controls and create a level of appropriately directed activities.

Graham has a proven strategic perspective where he takes account of a wide range of longer-term issues, opportunities and contingencies and identifies the means of implementing plans in line with the vision and direction of the organisation. He has the capacity to perceive the impact and implications of decisions and activities on other parts of the organisation, teams and individuals.

Position—

Infrastructure Lead— Middle East,
BG&E Consulting Engineers LLC

Qualifications—

- MSc PM
Master of Science Project Management; Distinction
- CEng
Chartered Civil Engineer: 379270
- MICE
Member, Institution of Civil Engineers: 47956024
- MCIHT
Member, Chartered Institution of Highways and Transportation: 61926
- MAPM
Member, Association for Project Management: R42428
- Higher National Certificate in Civil Engineering

Career Milestones—

- 2013- Technical Director/ White Young Qatar
- 2011- Head of Highways & Infrastructure/ White Young Qatar
- 2009- Flood Risk Management Act/ Public Sector Implementation
- 2008- Depute City Engineer, Dundee City Council, UK
- 2003- Area Regeneration Manager, Scottish Enterprise Tayside, UK (Secondment)
- 1978- Tayside Regional Council Roads and Transportation, UK

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Detailed Project Experience—

2016–Present: Infrastructure Lead- Middle East, Dubai UAE

Responsible for the Civil and Infrastructure Middle East business unit including the leadership and management of critical activities comprising business development, marketing and project procurement, management and maintenance of a sustainable and profitable ME team and the management and delivery of programmes, projects and initiatives across the Middle East region.

Develop the BG&E Middle East strategy working closely with the Australian discipline Director, Regional Director, UAE and Qatar Managers. Establish, manage and maintain measureable commercial and people metrics, recruitment, supervision and mentoring of engineering and technical staff within the Middle East offices providing a technical focus and lead on all transport, civil and infrastructure works within the region.

Effective coordination and liaison with all teams in relation to business development, marketing and project procurement, oversee the preparation of cost effective and commercially competent proposals including appropriate use of internal resources and formation of reliable and sustainable alliances.

Provide specialist advice and lead technical discussions with Clients, Local Authorities and associated agencies. Initiate, manage and maintain strategic and local alliances to ensure effective and efficient delivery of programmes and projects.

Responsible for the effective preparation of engineering designs, specifications and reports, construction supervision, health and safety, risk, value and change management. Coordination and execution of peer reviews and constructability analysis providing technical and commercial direction. Manage business unit priorities and assign work to professional and technical staff considering performance, training and development needs. Ensure project managers and design staff achieve project cost, time and quality objectives and provide recovery plans where necessary.

Operating within a quality controlled environment initiate and participate in the detailed technical review of work processes and procedures providing management and supervision to ensure high quality deliverables are produced consistently.

Practice Project Director and Technical Advisor to Ministry of Defence Qatar Emiri Corps of Engineers, Al Udiad Air Base, Qatar

- Personal representative providing report and advisory, project management and multi discipline design services incorporating fire and life safety services. Responsible for the provision of professional and technical advice relating to Qatar Rail, Expressways, Orbitals, Local Roads and Drainage Projects, negotiating with Consultants, Contractors, Client Agents and Stakeholders
- Provision of professional design services on multiple projects across the base: low and medium rise structures, parking, drainage schemes including design and development of specialist facilities.

Traffic Impact Study, Education City Qatar Foundation

- Project Director for large TIS including numerous public buildings and educational facilities. Compliant with MMUP guidelines, liaison with MMUP and Ashghal, road safety audits, VISSIM and VISUM, mitigations and approvals.

Traffic Impact Study Sidra Medical Centre/ Hospital, Qatar Client: Qatar Foundation

- Project Director for TIS including accelerated programme liaison with MMUP and Ashghal, road safety audits, design of mitigations and obtain approvals.

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Detailed Project Experience—Cont'd

Transport Strategy Education City FIFA World Cup Stadium Supreme Committee for Delivery and Legacy

- Project Director for development of transport strategy for FIFA 2022 stadium. Responsible for identification and development of user groups, flow and route calculation using Legion Pedestrian Modelling software, static and dynamic analysis.

Local Roads and Drainage Programme, Qatar North, Qatar Client: Ashghal

- Consultancy Practice Project Director responsible for the provision of post contract site supervision services on Local Roads and Drainage project within Qatar North.
- Al Khor Sewer Network • Al Khor Industrial Area Package 5 • Al Khor Commercial Street
- Al Khor Extension to Treated Sewage Effluent System

Solis Hotel, Luxury 5 Star Hotel Development, Education City, Qatar Client: Qatar Foundation- Westin Hotel Group

- Consultancy Practice Project Director responsible for report and advisory, management of roads and infrastructure design review, cost consultancy and Architect of Record. Presenting design stage outcomes at stakeholder workshops delivering Engineers estimate and cost plan responding to Client queries and design change management

Beach Villa, Ras Umm Leigi, Qatar Client: Private Engineering Office for HH Sheikh Tamim bin Hamad Al Thani, Emir of the State of Qatar

- Discipline Lead providing roads and infrastructure design and construction supervision services associated with prestigious private villa. Provision of specialist coastal roadside design solution.

Private Villa Development, Al Rayyan, Qatar Client: Minister of Defence, Qatar

- Discipline Lead providing roads and infrastructure design services and post contract construction supervision and administration services associated with three prestigious private villas.

Private Villa Compound Development, Al Khor Area, Qatar Client: Private Qatari Client

- Consultancy Practice Project Director providing roads and infrastructure design, construction supervision and specialist advice regarding standards and specifications associated with a prestigious private multi villa compound development. Procurement, cost consultancy and contract negotiation.

EPIC Road upgrade, Zekreet Interchange to Ministry of Education Office, Qatar Client : BOOM Construction

- Consultancy Practice Project Director providing project management services, geometric highway, drainage, street lighting and infrastructure design, construction support services securing Ashghal, Qatar Petroleum and all utility approvals.

11KV Smart Grid- Education City, Qatar Client: Qatar Foundation

- Consultancy Practice Project Director providing specialist services associated with smart grid assessment and analysis, develop an automated management system and provide performance management capability. Use of specialist consultant and liaison with third party stakeholders.

Ras Laffan Industrial City Roads and Boundary Improvement, Ras Laffan, Qatar Client: Al Jaber Engineering

- Consultancy Practice EPIC Project Director providing project management services, geometric highway, drainage, street lighting and infrastructure design, construction support services securing Ashghal, Qatar Petroleum and all utility approvals.

Reverse Osmosis Plant, Education City, Qatar Client: PROTEC Water and Energies Technologies

- Consultancy Practice Project Director responsible for provision of multidiscipline design services, development of professional services agreement, payments all contractual matters on D&B project.

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Western Road and Junction Design, Junction N20, Education City, Qatar

Client: Qatar Foundation

- Consultancy Practice Project Director providing Ashghal compliant design and securing all authority approvals, incorporating light rail system, safety case and stakeholder management.

Nozul Lusail Marina High Rise Tower, Lusail City, Qatar

Private Qatari Client

- Discipline Lead providing transport planning and design services on mixed use development. Traffic Statement and negotiation with approval authorities. Skidmore, Owings & Merrill project securing an Honourable Mention; unbuilt projects category; American Institute of Architects Awards, 2015.

Al Waab Complex: Public Roads (Packages 1,2 & 3) Client: Ashghal Public Works Authority, Qatar

- Project Director Road Improvements, liaison with Al Waab City Development, pre-contract design review, post contract supervision, QS and design review of Sign Gantry Steel and Foundations.

Road Improvement Works in Doha Municipality Grading Works for Ain Khalid Client: Ashghal Public Works Authority, Qatar

- Project Director for Road Improvements and Grading including provision of post contract construction supervision services incorporating QS services and site environmental management.

Road Improvement Works In Al Khor Municipality - Grading Works for Al Khor Industrial Area Client: Ashghal Public Works Authority, Qatar

- Project Director for roads and infrastructure Grading Works, provision of post contract construction supervision services incorporating QS services and site environmental management.

Road Improvement Works in Central Rayyan (Phase 2) Client: Ashghal Public Works Authority, Qatar

- Project Director for roads and infrastructure Improvement Works including provision of post contract construction supervision, QS services and site environmental management.

Al Udeid Military Base Client: Qatar Armed Forces, Qatar

- Design Manager for Military installation incorporating geometric, structural pavement and surface water drainage design for runway, taxiways, links, aprons, service and access roads. MoD approvals

Dundee City Council

- Flood Risk Management Act Programme Manager. Responsible for interpretation and implementation and Member of Scottish Advisory and Implementation Forum and National Advisory Group. Responsible for flood mapping framework and catchment based fiscal allocation. Key advisor to representatives of Scottish Ministers, Scottish local authorities, Scottish Water and Environmental Protection Agency.
- Capital Projects Senior Programme Manager and advisor to council departments, responsible for implementation of projects and management of budget expenditure. Lead advisor to Finance Department for Option Appraisal process delivering training to senior officers and delivery managers.
- Senior Manager developing corporate plan and advising on National Outcome Agreement. Development of projects, targets and performance reporting to Committee on areas of road and street lighting, emergency, business continuity planning, asset protection, coastal and flood protection and mitigations.
- Departmental Lead for Community Planning Partnership including liaison, development of community projects and integration of authority projects with community groups.

Gymnastics Centre Dundee City Council Leisure Services Department

- Design Manager providing civils and infrastructure design, tender and contract administration services.

Harris Academy Ground Investigation Dundee City Council Education Department

- Project Manager for ground investigation services including supervision of GI contractor and preparation of factual and interpretive geotechnical report.

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Marchbanks Waste Management Facility Dundee City Council Environmental Services Department

- Design Manager for traffic management and circulation scheme, investigation of existing drainage issues, liaison with Environmental Agency regarding discharge quality control.

Riverside Nature Park Dundee City Council Leisure & Parks Department

- Project Manager for redevelopment of domestic and clinical waste landfill site. Secured additional funding and developed GI, gas monitoring, ground water modelling, remediation strategy and supervision, consultation with Elected members, environmental groups, aviation and general public.

Cemetery Development Dundee City Council Leisure & Parks Department

- Design Manager for extension to existing Birkhill and North East Cemeteries including geometric design, ground investigations, extensive ground water modelling, sampling and analysis.

Primary School Design Services Dundee City Council Education Department

- Design Manager providing civils and infrastructure design services for Whitfield PS, Balgarthno PS, West End PS, Birkhill PS, Kingspark Special Needs School

Contaminated Land Remediation Dundee City Council Environmental Services Department

- Programme Manager for Planning Authority validation certification of Alloway Place, Ettrick Crescent and Seymour Lodge.

Flood Investigation and Alleviation Dundee City Council City Development Department

- Programme Manager providing hydraulic investigation and design services at Ballochmyle Road, Barns of Claverhouse, West Henderson's Wynd, Cedar Road, Gillespie Terrace, Lochee Park

Whitfield Life Services Centre Dundee City Council Social Work Department

- Design Manager providing civils and infrastructure design services, tender services and supervision.

Tayside Region Pluvial Study Dundee City Council and Angus Council

- Programme Manager for pluvial study covering urban and rural terrain. Management of cross territory priorities and liaison with National Agencies: Water Authority and Environmental Protection Agency

Douglas Terrace Walkway Dundee City Council City Development Department

- Project Director for development and design services associated with Coastal Protection Scheme including tendering, construction site supervision and NEC contract administration services.

Whitfield SUDS Dundee City Council City Development Department

- Design Manager for development and design services associated with innovative sustainable urban drainage incorporating hydraulic modelling, flood risk mapping, tendering and site supervision.

Public Realm Improvements Dundee City Council Planning Department

- Project Manager for street scape design, tender and contract administration on Union Street, Park Avenue, Baldovan Terrace, Commercial Street, Hilltown, Tay Square, City Square and Dock Street, incorporating feature lighting and waterproofing systems.

Dock Street Realignment and Improvements Dundee City Council Planning Department

- Design Manager for development and design services associated with urban road improvement scheme incorporating geometric design, tendering and site supervision and contract administration.

Broughty Ferry Coastal Defences: Phases I & II Dundee City Council City Development Department

- Project Director for developments and design services associated with Coastal Protection Schemes including tendering, construction site supervision and contract administration.

Water Course Inspections Dundee City Council City Development Department

- Project Director: Flood risk modelling, hydrological studies and mapping of 3.5km of watercourses.

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Dykes of Gray Road Improvements Dundee City Council City Development Department

- Project Design Director: Community infrastructure levy project providing stakeholder interface, project appraisal, promotion and approval, negotiating with private housing developers. Detailed design, traffic management, liaison with authorities, utility providers, emergency services and trunk road operators

Whitfield Spine Road Dundee City Council City Development Department

- Project Design Director for development of road improvements, stakeholder interface, coordination and detailed design and construction supervision. Facilitation of Value Management Workshops and stakeholder interface meetings incorporating functional analysis.

Economic Development Dundee City Council City Development Department

- Programme Director promoting strategically significant projects within the City, including option appraisal, council approval, stakeholder interface and establishment of project success criteria and project delivery team for Olympia Swimming Pool, Gallagher's, Hunter Street Multi Storey Car Parks.

Dawson Park Sports Facility Dundee City Council Leisure Services Department

- Design Manager for development and implementation of synthetic all-purpose sports surface and associated Sustainable Drainage System.

Albert Square Public Realm Improvements Dundee City Council City Development Department

- Project Manager for street scape design and wider grade A listed gallery refurbishment project, procurement, appointment and management of specialist external consultants, interface management, structural and architectural improvements and visual display contract.

East Marketgait Leisure and Pool Dundee City Council Leisure Services Department

- Design Manager providing drainage design services.

A92 Kingsway (Trunk Road) Kings Cross Interchange Dundee City Council City Development Department

- Project Manager and Resident Engineer for road bridge parapet replacement, refurbishment and renewal of bridge deck water proofing, complex traffic management and coordination with Utilities, emergency services and trunk road operator.

Dundee Airport Runway Strengthening Dundee Aviation

- Project Director for NEC3 partnership project including detailed MX design and construction supervision, interface management incorporating Civil Aviation Safety Case, risk management, flight schedule and works coordination, communications and financial control.

City Wide Arterial Routes Dundee City Council City Development Department

- Design Engineer for Dual 2 way urban district distributor incorporating preparation of MX design, drawings, specifications, BoQ and tender documents on North East and West Arterial Routes

Caird Park Velodrome Dundee City Council Leisure Services Department

- Design Manager for condition survey and design development of velodrome resurfacing project.

Baldovie Decommissioning Dundee City Council Environmental Services Department

- Decommissioning Director for incinerator plant, management and control of residual dioxins, furans and redundant plant, development of bespoke Contract Conditions and specification. Stakeholder interface, coordination and elected member briefings, public consultations in sensitive and volatile environment.

Tay Road Bridge Column Strengthening Dundee City Council City Development Department

- Project Director and Design Manager for detailed design associated with vehicle collision and impact project using fibre reinforced polymers, assessment of existing structure, design options and supervision of piled foundations and protection system, first project of its type in Scotland.

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Bridge Maintenance & Road/ Rail Interface Works Dundee City Council City Development Department

- Programme Manager and Resident Engineer for NEC3 partnership associated with multi-site works including liaison with Railtrack, development of method statements and track possessions.

Montrose Inner Relief Road Dundee City Council City Development Department

- Design Manager for Dual 2 way urban district distributor. Supervision of MX designers and preparation of tender documents including drawings, specifications, BoQ and tender documents.

Technical Design Auditor Dundee City Council City Development Department

- Design Auditor on local authority highway schemes. Review and analysis of designs, identification of departures, relaxations, preparation of report incorporating recommendations and authority risk advice.

Kingsway Footbridges Tayside Regional Council Roads and Transport Department

- Site Engineer for RC concrete footbridge installation including precast bridge deck placement responsible for construction supervision, materials quality, works setting out, measurement, payments, planning analysis and management, site reporting and claims determination.

Olympia Footbridge Tayside Regional Council Roads and Transport Department

- Site Engineer for RC concrete and steel closed footbridge installation including piled foundations responsible for construction supervision, materials quality, works setting out, measurement, payments, planning analysis and management, site reporting and claims determination.

Tay Road Bridge Control Tower Dundee City Council City Development Department

- Design Engineer for 4 storey structural steel control tower. Preparation of tower design and footbridge link between tower and main bridge structure.

Main Rail Line Footbridge Deck Upgrade Dundee City Council City Development Department

- Project Manager and Resident Engineer for bridge deck replacement project including management of Health and Safety case, third party authority approvals, track possessions and site works.

Maryfield International Sport Complex Dundee City Council City Development Department

- Designer and Resident Engineer for water based and sand filled synthetic surfaces, development of rejuvenation specification and testing regime securing FIH accreditation.

Tayside Regional Council Roads and Transport Department

- Design Engineer for Trunk and Local Road improvements throughout Tayside Region including detailed design, preparation of tender and construction drawings, tender documents, specifications, BoQ, construction site supervision, as-built drawings, final claims determination and settlement.
- Design Engineer for mass concrete and cantilever walls, preparation of all drawings, specifications, BoQ and tender documents, management of tender process and award and construction site supervision
- Project Manager planning and undertaking bridge inspections and demolitions, reporting remedial measures, decommissioning and or demolition of bridge structures using controlled explosion.
- Design and Site Engineer for structural non-destructive inspection of authority owned public buildings. Preparation of inspection schedule, undertaking inspections, reporting recommendations for remedials and improvements, associated design and site supervision.

University By-Pass and Forfar By-Pass Tayside Regional Council Roads and Transport Department

- Design Engineer for urban and rural dual carriageway projects engaged on detailed design and site supervision.