Tony Gee and Partners LLP provides specialist engineering consultancy services to the worldwide construction industry. We are a multi-award winning firm, renowned for providing high calibre engineering design solutions, with a particular penchant for the unique and challenging.

Our owner-managed business was founded in 1974. From the outset our management structure has been based on short lines of communication ensuring prompt responses to our clients.

Our resources comprise a blend of technical staff directed by highly experienced, professionally qualified engineers. Together with our carefully selected and vetted supply chain partners we are able to offer integrated teams capable of working across all disciplines.

Investment in our staff is fundamental to our success. Through our leading student sponsorship and graduate training programmes, we continue to nurture aspiring engineers through their careers. This approach ensures that the high level of service expected by our clients is delivered consistently.

We provide engineering solutions to a wide variety of clients including building owners and infrastructure operators. We have formed close relationships with our contractor clients and other consultants, enabling us to meet the rapidly changing demands of any construction project.

We are renowned for our ability to integrate permanent works with the development of temporary works necessary to produce the most economical design.

Environmental, social and economic awareness are fundamental in all aspects of our work:

- reduction of waste, with increased reuse and recycling
- community liaison in partnership with the client and the project team
- conscientious design with due regard to its impact on the environment and wider community
- specification of construction techniques and materials with the emphasis on efficiency, sustainability and energy conservation

We deliver our projects through our accredited Quality and Environmental Management Systems.

Tony Gee
Tony Gee’s railway experience ranges from network infrastructure renewal and enhancement in all regions of the UK to independent validation and verification of high speed railways in Asia. Operating under contractual arrangements varying from partnering to highly competitive design and build forms, projects are delivered by staff trained to the highest standards of health and safety appropriate to the rail environment.

We have specific expertise and experience in:
- road, rail and pedestrian bridges
- strengthening with carbon fibre reinforcement
- polymer composite bridges
- replacement structures
- earthworks monitoring
- earthworks remediation and renewal
- demolition and temporary works
- slope stability remediation
- drainage
- stations, depots and interchanges
- permanent way design
- car parks
- construction methodology
- route development
- independent verification and validations

Our expertise covers most aspects of highways design and construction monitoring, on projects ranging from property development schemes to major trunk road improvements and bypasses. A reputation for providing solutions to the most difficult challenges has led to work on some of the world’s largest bridges and highly complex roads schemes.

Design and construction services include:
- planning
- site surveys and ground investigations
- geo-environmental studies and remediation of brownfield sites
- major road interchanges, at-grade and grade separated
- bridges of all types and spans
- major drainage schemes including forensic drainage investigations
- integration of non-motorised user facilities
- ground improvement and formation treatment
- earthworks slope stability and retaining measures
- advice on maximising re-use of earthworks materials
- temporary traffic diversions and crossovers
Coastal, river and canal schemes are undertaken for clients including port authorities, developers, asset managers and contractors. We pride ourselves on providing cost effective and frequently innovative solutions to repair and maintain existing assets and enhance operational facilities.

Our portfolio incorporates:
- ports and harbours infrastructure and transport links
- docks and locks
- berths and fendering
- jetties, linkspans and brows
- pontoons, marinas and quays
- cofferdams and marine temporary works
- shoreside facilities
- piles and dolphins
- foundations and retaining walls
- coastal protection works
- flood and scour analysis
- flood control structures
- marine inspections
- legislation consents

We have successfully completed a diverse range of commissions designing infrastructure to deliver power generated by nuclear, gas and renewable forms of energy. Contractors particularly appreciate our ability to integrate temporary and permanent works designs. Our clients include major utility companies, developers, operators and plant suppliers worldwide.

Our design services include:
- geotechnical assessments
- piling
- deep foundations and basements
- access shafts
- power station structures
- pumping stations
- marine structures including jetties
- platforms for heavy cranes and machinery
- temporary works
- lifting and moving structures
- strengthening with carbon fibre reinforcement
- construction methodology
Working on construction projects in hospitals, clinics, and treatment centres demands the reliable prompt response for which Tony Gee is renowned. We offer clients a full civil, structural and geotechnical engineering capability, with a sympathetic approach to working in the environment of operational facilities.

Our services are provided by staff with a full appreciation of the inherent issues, including:

- safety and environmental regulations
- infection and hygiene control
- vibration limits
- noise and dust minimisation
- access and egress for staff and patients
- security
- liaison between key stakeholders

We provide these services either as an independent consultant for civil and structural engineering design or as part of the professional team of health care development specialists.

Tony Gee has a clear understanding and wide-ranging knowledge of the requirements for educational facilities. Our experience as an independent consultant or as part of a wider professional team covers the fields of civil, structural and geotechnical design for schools and higher education infrastructure.

We can provide design services for:

- primary and secondary schools
- academies and children’s centres
- universities, higher education and further education
- student accommodation
- extension, refurbishment and alteration works
- associated infrastructure
We produce efficient and frequently innovative design solutions for complex buildings and structures for the private sector, underlined by our involvement on many significant projects nationally and internationally. Our experience includes:

- airport hangars and roof erection schemes
- structure stability analyses throughout construction
- terminal buildings, including airside facilities and mezzanine floors
- roads and runways
- control towers
- footbridges and passenger transport
- escalator and lift installation
- multi-storey and surface car parks
- hotels
- façade retention

Our services include designs for:

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<thead>
<tr>
<th>Airports</th>
<th>Commercial, Industrial &amp; Retail</th>
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<td>Working either directly for airport owners or through their supply chain partners, we have designed aviation infrastructure for the UK and at airports worldwide. Our ability to integrate permanent and temporary works designs with construction engineering methodologies ensures minimal disruption to airport operations.</td>
<td>We produce efficient and frequently innovative design solutions for complex buildings and structures for the private sector, underlined by our involvement on many significant projects nationally and internationally. Our experience includes:</td>
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| Foundations, basements and underground works | Foundations, basements and underground works |
| Design of heavy foundations | Design of heavy foundations |
| Construction methodology | Construction methodology |
| Permanent and temporary works design | Permanent and temporary works design |
| Strengthening with carbon fibre reinforcement | Strengthening with carbon fibre reinforcement |
| Façade retention | Façade retention |
| Access and infrastructure | Access and infrastructure |
| Numerical analysis for ground movement | Numerical analysis for ground movement |
| Vibration analysis | Vibration analysis |
| Hotels and shopping complexes | Hotels and shopping complexes |
| Stadia and grandstands | Stadia and grandstands |
| Historic structures/listed buildings | Historic structures/listed buildings |
| Light industrial buildings | Light industrial buildings |
| Multi-storey and underground car parks | Multi-storey and underground car parks |
| Demolition works | Demolition works |
| Hard standings | Hard standings |
| Brownfield and greenfield sites | Brownfield and greenfield sites |