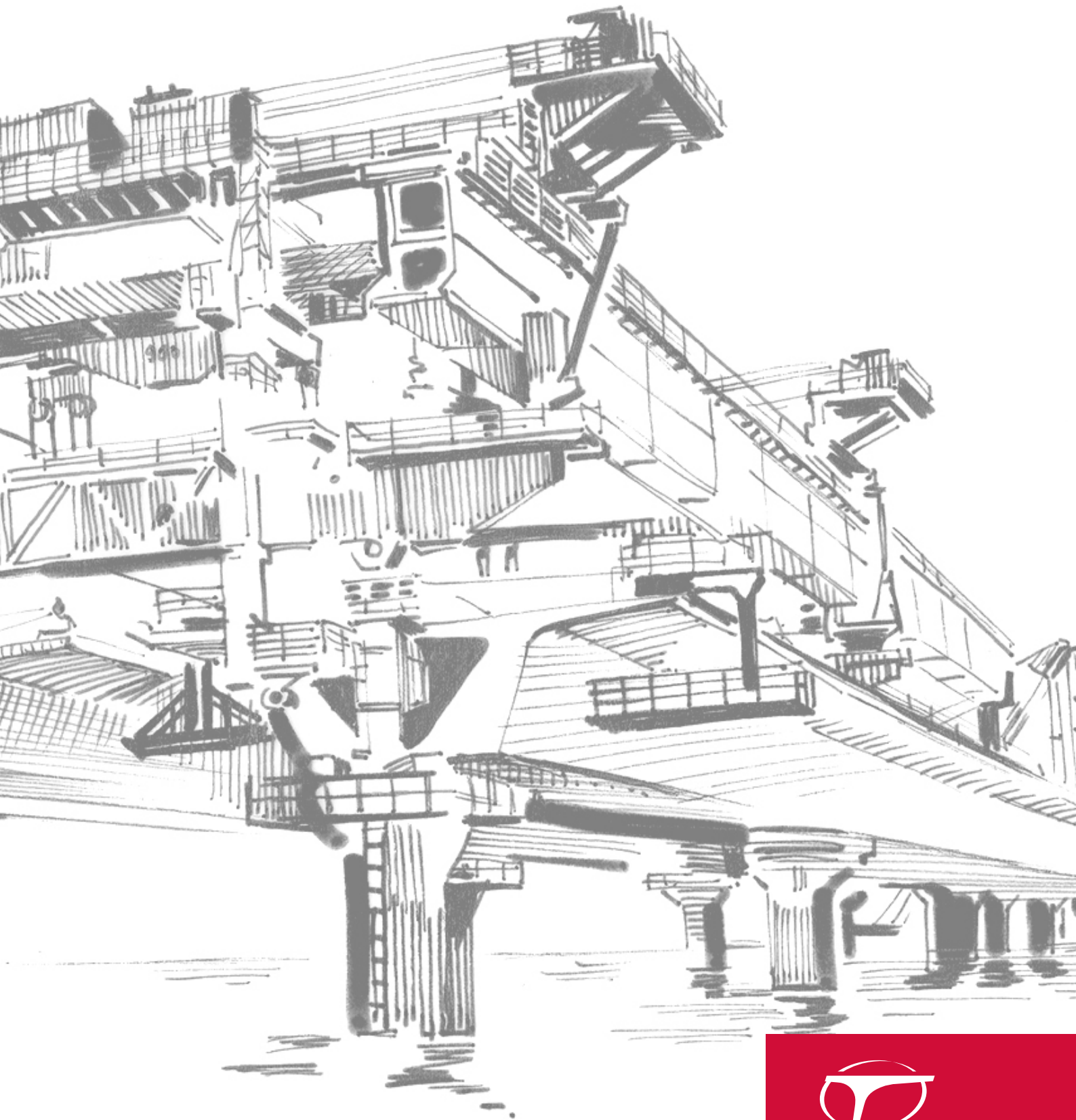


Design once, engineer right



Tony Gee

Consulting Engineers

We Design Once

Our work is always the best it should be, anticipating challenges and revealing possibilities, avoiding waste and better serving the needs of society and the environment – for today and the future



Wokingham Major Highways Programme

Tony Gee and Partners

Tony Gee and Partners is an owner-managed business which focuses on civil, structural and geotechnical engineering and infrastructure design services. Founded in 1974, we are a multi-award winning firm which has a reputation for providing high-calibre, complex and innovative engineering solutions, with a particular flair for the unique and challenging.

We have offices throughout UK and overseas locations, and have established, world-leading capabilities that can deliver solutions at an international level whilst recognising the needs of local clients and communities.

We deliver value

Tony Gee has been adding value to design and infrastructure solutions for over 45 years. Our reputation has been built through the delivery of innovative and alternative designs that have embraced the employment of construction methods, modern and innovative techniques as well as the effective use of materials. Our approach is always to work alongside our clients to consider robust, combined solutions, designing both permanent and temporary works together, focussing in particular on integration of design with construction that deliver cost, time and material resource savings.

Our key differentiators and USPs:



Collaborative – Experience in working with clients and contractors on complex projects for many years



Flexible – Flexibility and responsiveness in service delivery



Experienced – Expertise and experience in infrastructure design including value engineering, construction methodology and design integration



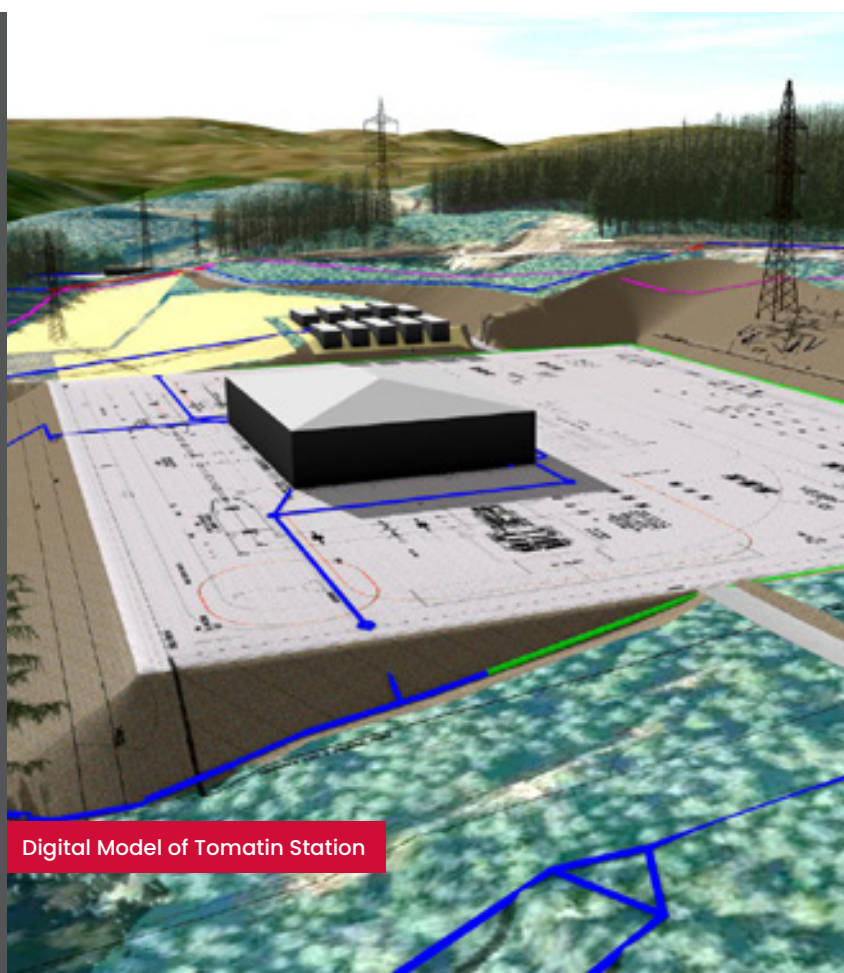
Sustainable – Substantial design and technological resource



Understanding – Understanding of construction risk in the design process methodology and design integration



Technical – Highly experienced technical teams exercising regular peer review



Digital Model of Tomatin Station

"A firm which has carved out a strong reputation as a provider of technical maestros who can sort out any complex construction challenge"

New Civil Engineer Magazine



Dover Sea Wall

Our Culture

Designing for the future

Sustainability has become a cornerstone to our work. We embrace all the services that are now demanded by client organisations and projects and retain in-house capabilities in sustainability, digital delivery, carbon, social value and whole life costing. Our size allows us to be flexible and adaptive to our clients changing needs and this combination of skills enables efficient, innovative and economical designs to be produced – a fact recognised by our involvement in major UK and international projects. We are an accredited carbon neutral organisation.

Giving something back

At Tony Gee we take pride in giving back to communities. Whether this is with the contributions we make to charity and good causes or with the engagement in wider industry and local activity that we support our staff to make. We empower them to make a difference. For many years we have been a major supporter of RedR both financially and in staff time offered in support of their work. We have participated in the Bridges to Prosperity programme on several occasions, leaving a legacy for communities around the world. We also regularly participate in project initiatives that support engagement with schools and businesses.



Simply Safe

Simply Safe is our cultural approach to safety and the well-being of people and is woven throughout everything that we do. We value technical excellence – inviting and tackling the hardest engineering challenge but always with a deep commitment to our civic duty to protect our people, our industry colleagues, and the wider public from harm. We know that ‘design it once’ and ‘design it well’ means working so it can be designed and built safely and without risk to anyone’s health. We can make safety simple by planning ahead, designing right first time, and considering the whole life-cycle of every project. We value our people and our industry colleagues, their physical and mental health and their wellbeing and always look to continuously learn and improve.

Our people make us

We are a business of people. Our size allows us to maintain our values and culture through simple lines of communication and to be able to remain flexible and responsive to changing demands. We employ highly qualified and experienced staff and develop them through progressive training programmes to develop the broad range of skills across all disciplines that we have built our reputation on. Our highly experienced senior staff all work at the front line of design work ensuring that clients always get the benefit of their knowledge and that this is passed on through the business. Our “design once, engineer right” approach is part of our culture that our staff embrace, always looking to get it right, first time.



What We Do

Sectors



Rail



Highways



Power and Energy



Marine



Aviation



Industrial



Commercial



Education



Health





Detailed design and related services



Research and development



Inspections and assessments



Feasibility studies



Ground investigations



Permanent works design



Temporary works design



BIM



Lifting and moving systems



Design checking



Demolition and façade retention



Construction methodology



Site monitoring



Expert witness

Rail



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 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



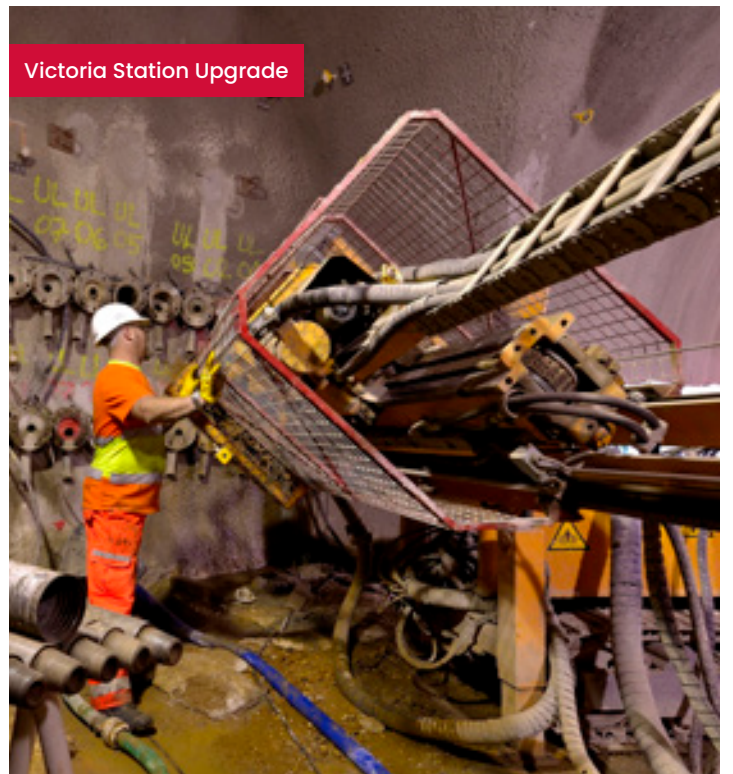
High Speed Rail West Kowloon Terminal Building, Hong Kong



Arun Bridge



Victoria Station Upgrade



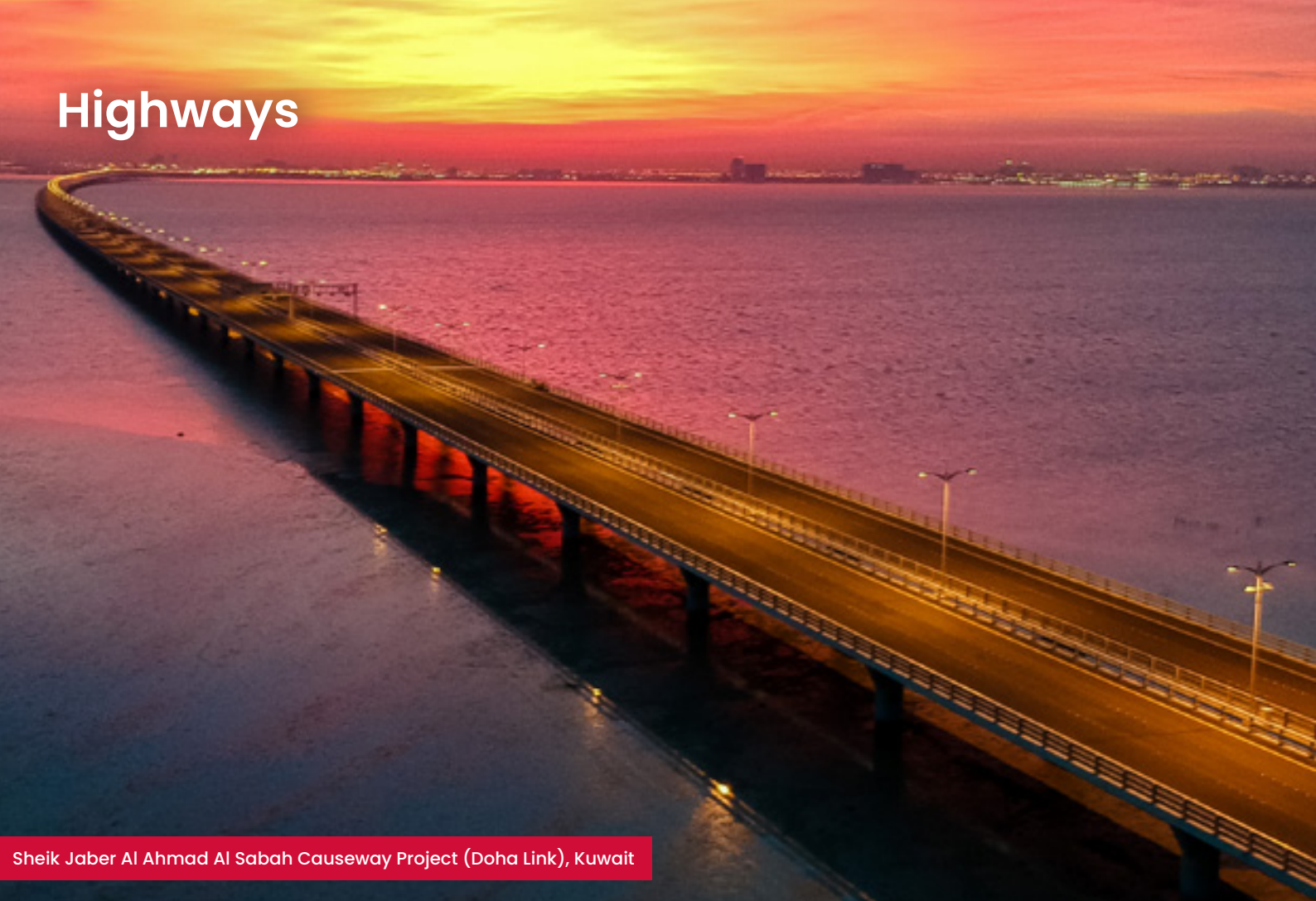
Sandwich Station Footbridge



Newton-le-Willows Station



Highways



Sheik Jaber Al Ahmad Al Sabah Causeway Project (Doha Link), Kuwait

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.

Our reputation for providing solutions to the most difficult challenges has led to work on highly complex road schemes and some of the world's largest bridges.

Our scope includes:

- Site wide infrastructure
- Local authority networks
- Motorways and SMART motorways
- All purpose trunk roads and expressways
- Highways structures
- Planning
- Site surveys and ground investigations
- Geo-environmental studies and remediation of brownfield sites
- Major drainage schemes including forensic drainage investigations
- Integration of non-motorised user facilities
- Ground improvement and formation treatment
- Analytically designed pavement foundations
- Earthworks slope stability and retaining measures
- Advice on maximising re-use of earthworks materials
- Temporary traffic diversions and crossovers



DP World London Gateway



Batesmans Bay, Australia

A142 Ely Southern Bypass



Wokingham Major Highways Programme



Orlando Street Bridge



Ampang Elevated Highway, Kuala Lumpur



A77 Symington to Bogend Toll



Power and Energy



Leanamore Wind Farm. UK

Tony Gee has 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 design.

Our clients include major utility companies, developers, operators and plant suppliers worldwide.

Our scope includes:

- Power station structures
- Transmission and distribution networks
- On-shore wind
- Site common infrastructure
- Operational equipment manufacturing
- Substations
- Transport logistics
- Geotechnical assessments
- Piling
- Deep foundations and basements
- Access shafts
- 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



Hinkley C Tower Crane, UK

Tomatin Substation Delivery



Viking Wind Farm



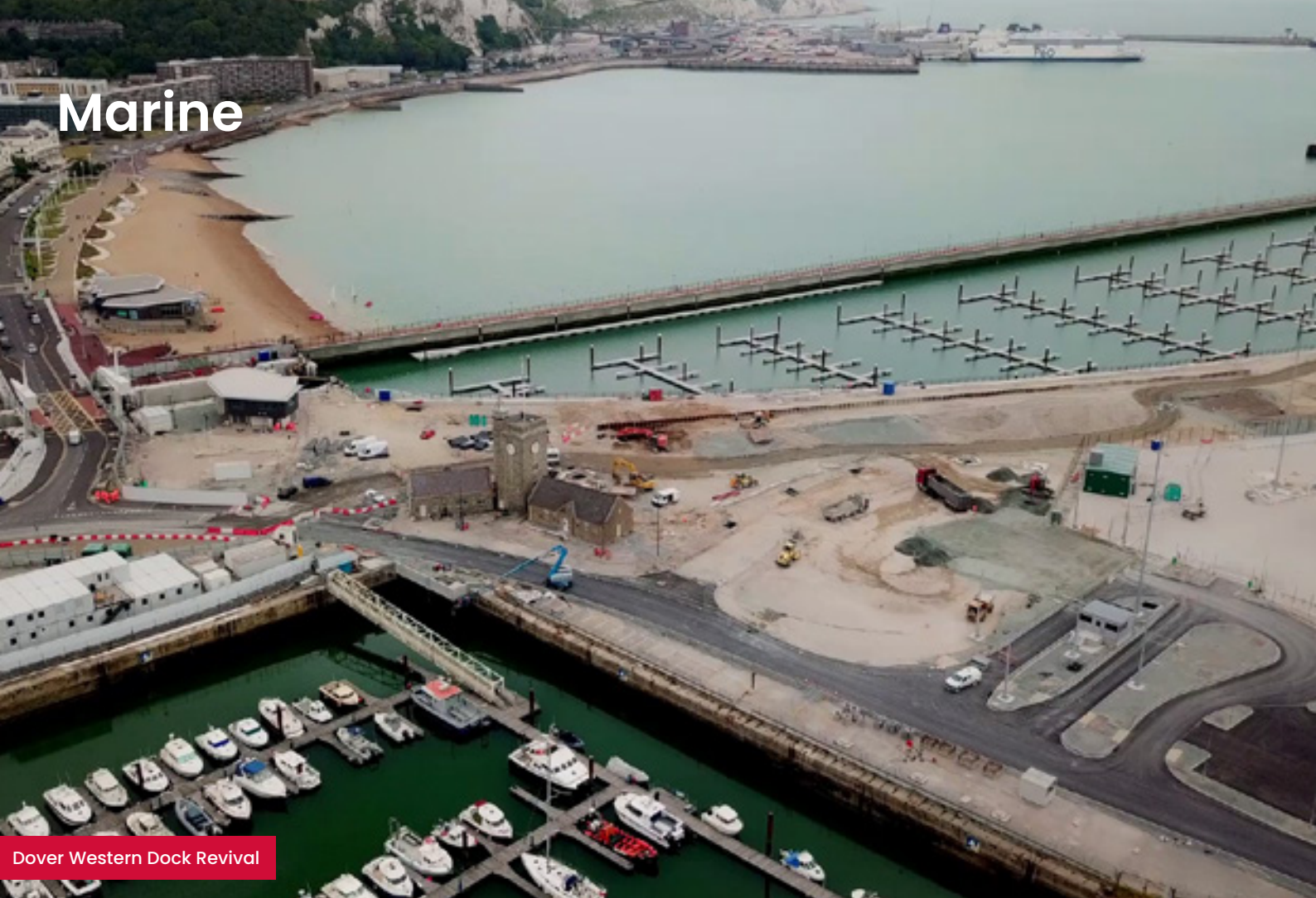
Brechfa Wind Farm Substation



Dungeness B



Marine



Coastal, river and canal schemes are undertaken for clients including port authorities, developers, asset managers and contractors. We pride ourselves in providing cost effective and frequently innovative solutions to design new infrastructure, repair and maintain existing assets and enhance operation facilities.

Our scope includes:

- Ports and harbour development
- Docks and locks
- Berths and fendering
- Sea and river defences
- Flood prevention, alleviation and emergency response
- Sea and river defences
- Jetties, linkspans and brows
- Pontoons, marinas and quays
- Cofferdams and marine temporary works
- Shoreside facilities
- Piles and dolphins
- Foundations and retaining walls
- Collision protection structures
- Marine inspections
- Legislation consents



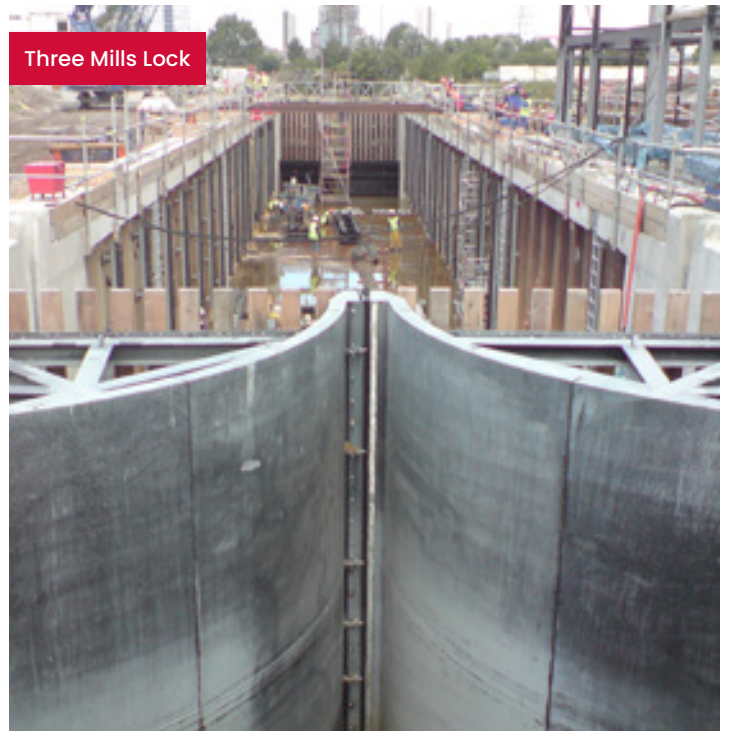
Dawlish Sea Wall



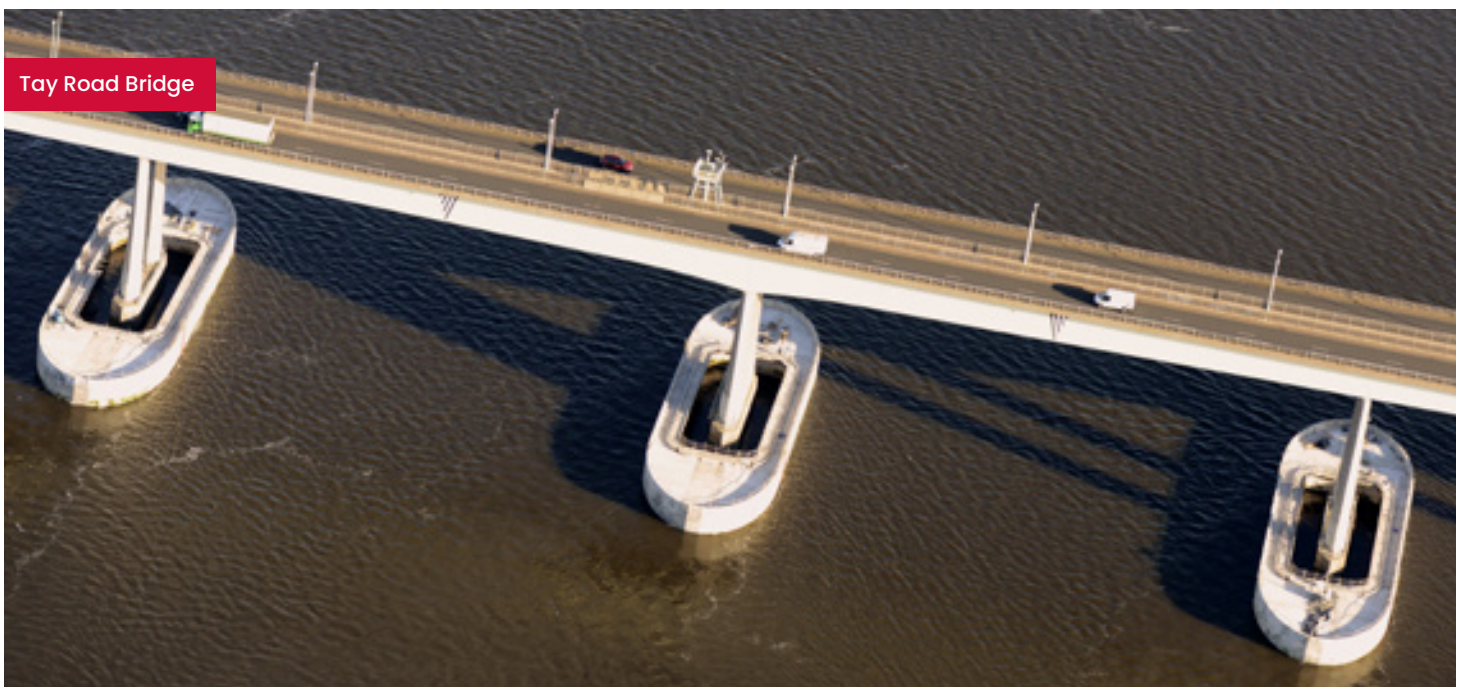
Ipswich Flood Barrier



Three Mills Lock



Tay Road Bridge



Airports



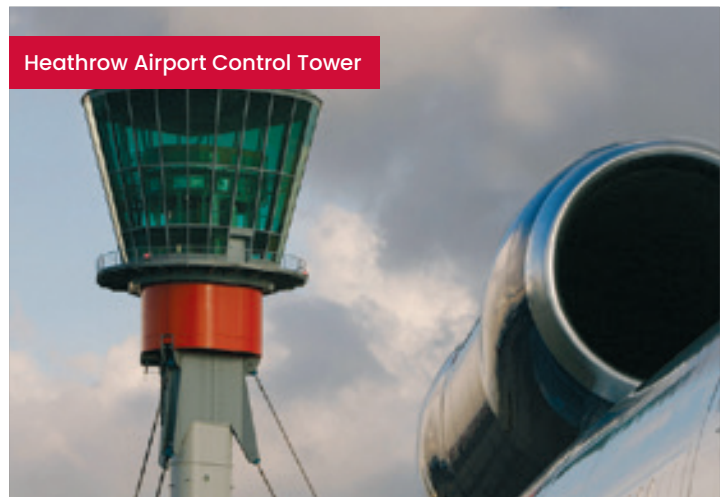
Skyplaza, Hong Kong International Airport

Working either directly for airport owners or through their supply chain partners, we design aviation infrastructure for airports worldwide. Our ability to integrate permanent and temporary works design with construction engineering methodologies ensures minimal disruption to airport operations.

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

Heathrow Airport Control Tower



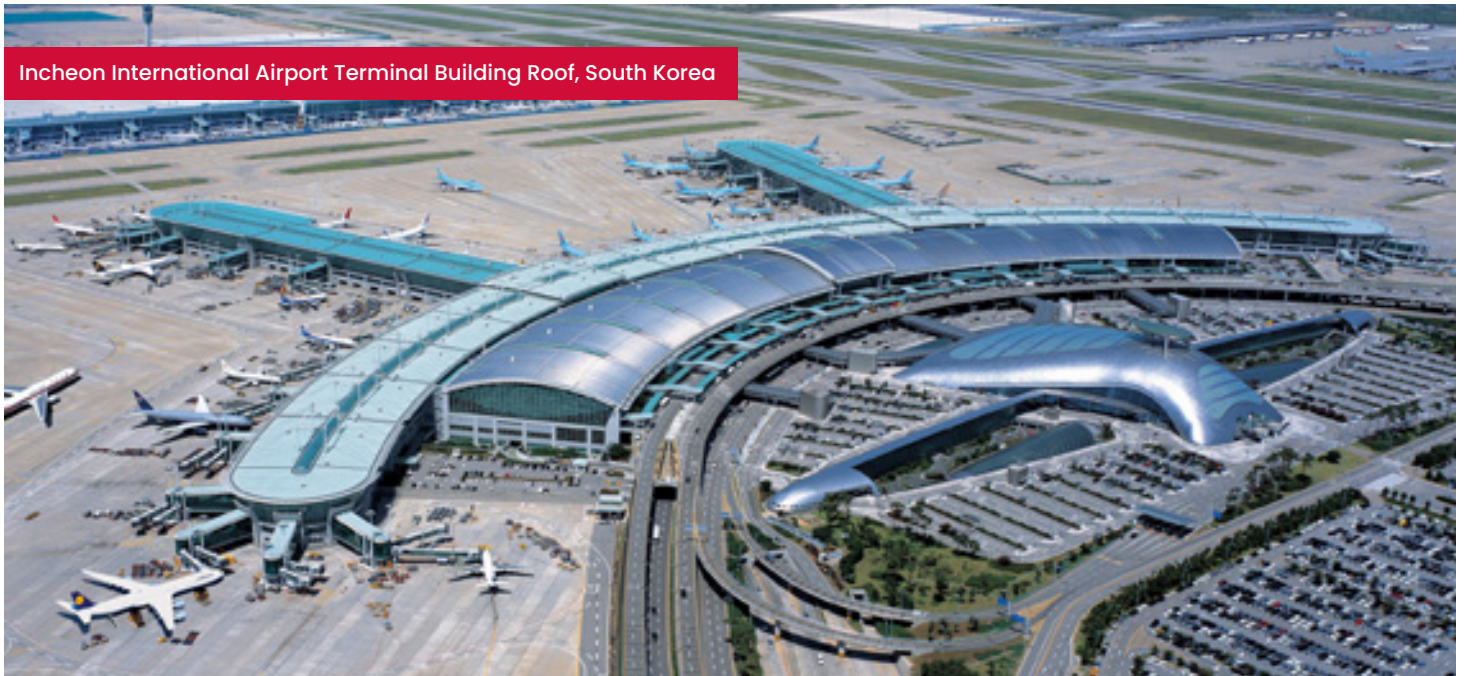
Gatwick Airport Airside Operations Building



Luton Direct Air-Rail Transit



Incheon International Airport Terminal Building Roof, South Korea



Haeco Hangar, Hong Kong



Commercial and Industrial

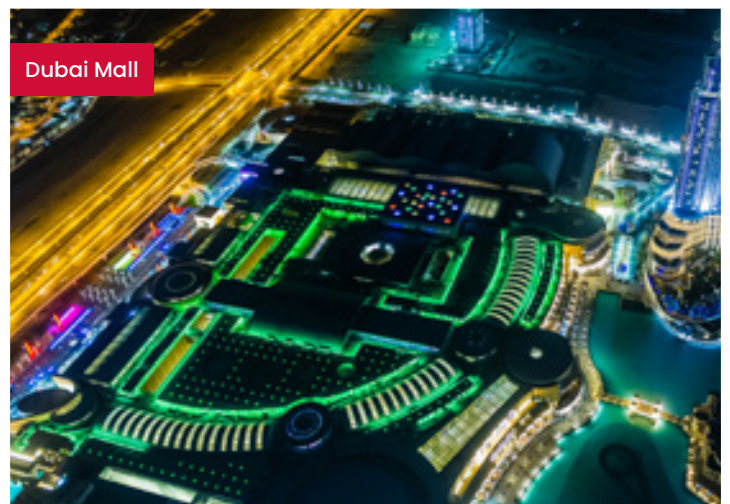


Singapore Sports Hub

We produce efficient and innovative design solutions for complex buildings and structures for both the public and private sector. This is underlined by our involvement on many significant projects nationally and internationally.

Our services include:

- Foundations, basements and underground works
- Design of heavy foundations
- Construction methodology
- Permanent and temporary works design
- Strengthening with carbon fibre reinforcement
- Façade retention
- Access and infrastructure
- Numerical analysis for ground movement
- Vibration analysis
- Hotels and shopping complexes
- Stadia and grandstands
- Historic structures/listed buildings
- Light industrial buildings
- Multi-storey and underground car parks
- Demolition works
- Hard standings
- Brownfield and greenfield sites



Dubai Mall



Corus Steelworks

City of Dreams, Macau



Wigan Station Car Park



Edinburgh St James



Buxton Crescent



Health



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 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 stakeholder



Education



University of Northampton Pedestrian Bridge

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.

Our scope includes:

- Primary and secondary schools
- Academies and children's centres
- Universities, higher education and further education
- Student accommodation
- Extension, refurbishment and alteration works
- Associated infrastructure

Simon Langton School, STAR Centre



University of Northampton Road Bridge



Our History



London Eye



A38 Marsh Mills Interchange



Stonecutters Bridge, Hong Kong



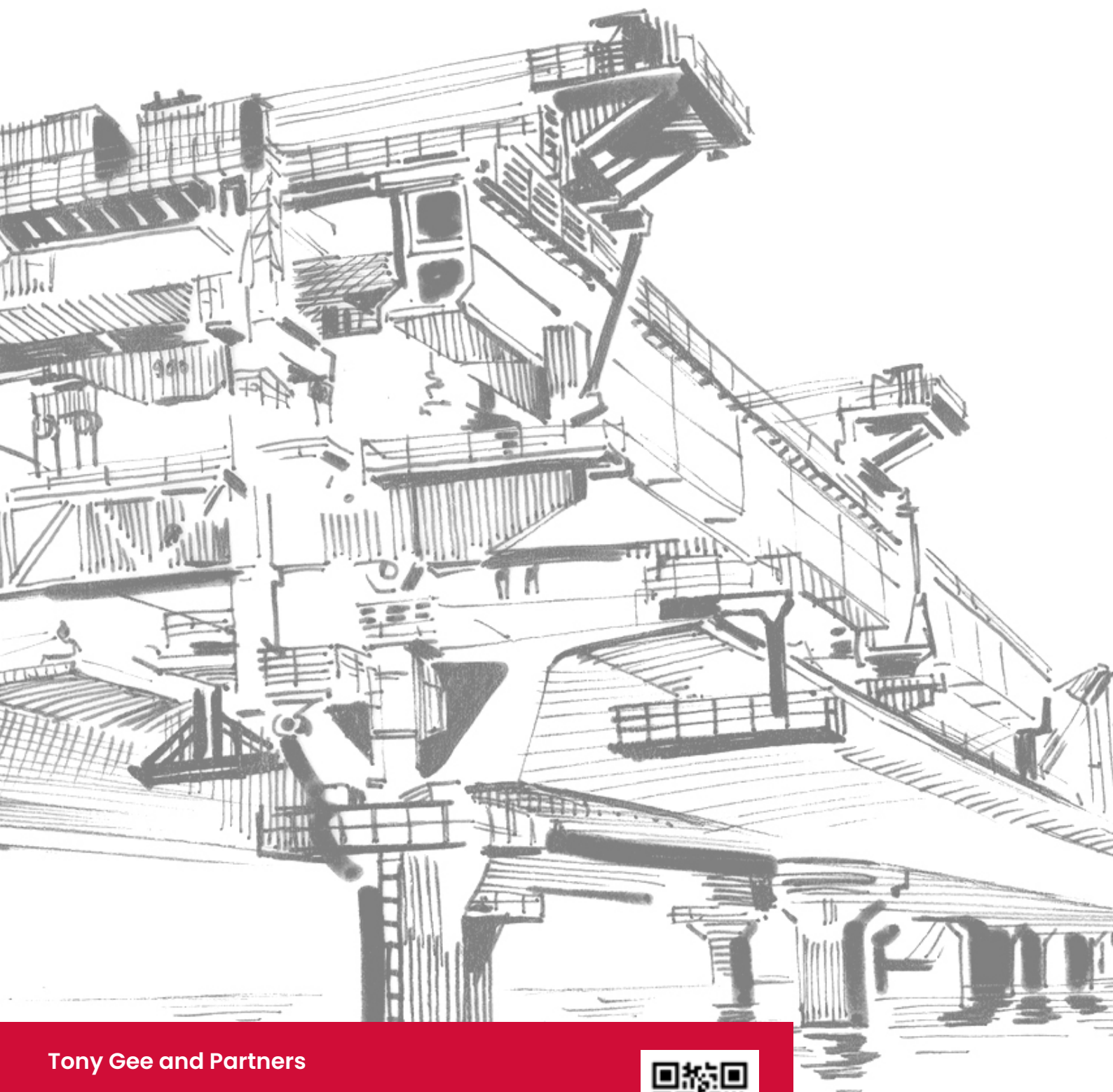
Taiwan High Speed Rail



Dawlish Emergency Works



Falkirk Wheel, UK



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www.tonygee.com



Tony Gee Website

