

Tony Gee News

"Investing in our staff wellbeing is a vital ingredient in our success"

2

3



WISE up to diversity...

Our student winner

4



In port progress



Tony Gee has won a major infrastructure development design contract for marine cargo, berth and additional facilities at the Port of Dover.

Working on the first stage of a £115m contract, Tony Gee is designing the new 500m-long public access marina pier and the navigation access structure, providing access to the existing Wellington Dock.

The navigation access includes a lock and 100m cut, sector gates, future provision for mitre gates and a 15m-span lifting bascule bridge. Tony Gee will also undertake the Category III checks for the civil and marine structures forming new cruise and container berth facilities.

Phased construction of the navigation channel

will ensure no service disruption and interfaces between the new navigation access and the existing highway and Grade II-listed dock walls also have to be considered.

The new marina pier design has been developed to shortest buildable timescales and with attention to environmental conditions such as wave, wind and a seven metre tidal range. The designs have been produced in collaboration with Principal Contractor, VolkerStevin Boskalis Westminster JV, as part of the port's flagship Dover Western Docks Revival scheme.

ICE NW award win



Carters Bridge recently won the Small & Medium Project of the Year award at this year's ICE North West Awards.

The judges highlighted Tony Gee's excellent collaboration with all parties. Working alongside Network Rail, J. Murphy and Sons and Shay Murtagh, Tony Gee completed the permanent and temporary works design for a new structure to replace the existing rail overbridge based in Wigan.

An innovative weathering steel composite solution was incorporated, which reduced the overall construction programme and minimised future maintenance. The design also minimised disruption to the local community and rail users during construction.

White Hart Lane Station

London Overground has awarded the £15m contract for the upgrade of White Hart Lane station to Taylor Woodrow, the civil engineering division of Vinci

Construction UK, with Tony Gee as the lead designer.

The redevelopment forms part of a wider 20-year regeneration plan in Tottenham, and will make the station safer and

more accessible to football fans visiting the new Tottenham Hotspur 61,000-seater stadium. It will help support the economic and social benefits of the new stadium.





Graham Nicholson
Executive Managing Director

The UK national news has made for hard reading in the last couple of months. Deliberate acts of terrorism in Manchester and London have shocked and appalled the whole world and the fire at Grenfell Tower, leading to over 80 deaths, has shaken everyone, particularly those who work in construction.

These terrible events have unimaginable consequences for individuals directly involved but even those on the periphery can be badly affected and, of course, that includes our people. It's important we understand that not every day is a perfect day for everyone and that's why we have trained our directors in how to recognise significant mental ill health.

We have been encouraging conversations on mental health and hope we are making a positive difference



To help break down the barriers we have been encouraging conversations on mental health and we hope we are making a positive difference to how people feel. We have also trained mental health first aiders in our offices to provide a first point of support and information to anyone who feels it will help them cope with the stresses that sadly seem part of everyday life.

The focus above is unashamedly on us because we believe that investing in our people's wellbeing is a vital ingredient to maintaining a successful engineering consultancy. I hope you enjoy reading about some of those successes in this newsletter.

Bath station on track



Tony Gee has been working as lead designer for the Bath Spa Station development, alongside HOCHTIEF (UK), as part of the Great Western Route modernisation.

After two years of design, investigations and preparatory works, the team provided designs for realigning the track and widening platforms. This allowed for overhead electrification lines to be installed through the station while protecting the heritage of the structure. The Grade II* listed station, was originally built in 1840 by Isambard Kingdom Brunel.

An intensive 16-day programme of works in April ensured minimum disruption with over 120 team members on site in peak shifts, working over 33,000

hours to remove around 350 tonnes of material from the station and over 450 tonnes of new construction materials installed. The platforms were widened by using lightweight polystyrene blocks with precast concrete units on top. This solution maximised offsite construction and minimised weight on the underlying arches.

Further strengthening of the existing bridge and platform extension is due this summer.

Bath Spa station: project in numbers



The Bath Spa station is a heritage building. It is Grade II* listed and was originally built in 1840 by engineering legend Isambard Kingdom Brunel



In early April, in order to minimise disruption, teams worked 33,000-plus hours over an intensive 16-day period to progress the project



Around 350 tonnes of material was removed from the station and over 450 tonnes of new construction material was installed



The work involved 95 designers from four Tony Gee offices and six sub-consultants to deliver possibly the most challenging Great Western Route project for years



Bath and North East Somerset Council highly praised the pre-planning and implementation of the platform and one kilometre track realignment

Making a DASH in Kuala Lumpur

Tony Gee is to work with contractors Acre Works on package CB1 of the Damansara-Shah Alam Elevated Expressway (DASH).

DASH is a 20.1km, three-lane, dual-carriageway expressway that will connect the Selangor

state capital of Shah Alam to Damansara Mutiara in the north west suburbs of Kuala Lumpur.

Tony Gee's alternative proposal has a material saving of up to 30% on the conforming design and will reduce the existing number of piles from 37 to 24.

Tony Gee will provide an alternative design for one of the long span bridges on the main alignment.

The four-span 82m-long balanced cantilever

cast bridge will span across an existing MRT viaduct and highway flyover, with a maximum pier height of 30m.

The webs of the viaduct have been revised from tapered to vertical for ease of form, erection and reinforcement installation.

Piling works have just started on site and all of the construction drawings are in progress. Design work is being undertaken by both our Hong Kong and Kuala Lumpur teams.



Ten ways to WISE up

Tony Gee has always been committed to offering a welcoming and inclusive working environment and since 2016 has been involved in the Women in Science and Engineering (WISE) campaign which promotes diversity in the workplace.

As the firm strengthens its commitment to equality and diversity further, it has signed up to the WISE 10 Steps programme, a specific initiative supporting gender equality.

The Tony Gee Equality and Diversity Group is also working to enhance the working environment and promote these important issues across the business. The first stages of this process are about looking at where we are now and then informing and educating on where we want to get to.

In early June we toured all of our UK offices and gave a presentation informing everyone on how we are doing now and what we are planning to do in the future as well as highlighting the wider subject of equality and diversity both in our business and in our industry at large.

The 10 steps programme is gender specific but we



have undertaken to use this as a general model for improvements in diversity as much of the philosophy behind this programme relates to promoting a fairer more inclusive culture which benefits everyone.

Business development

Lee Brown joined Tony Gee earlier this year to head-up business development in Hong Kong and Asia. Working with Nick Southward, he will promote the business internationally, re-introducing Tony Gee to key clients, identifying new clients and maximising opportunities for tenders in Hong Kong and the surrounding region.

Lee has been in Hong Kong for almost 20 years and his experience includes commercial, general management and business development roles in engineering and construction companies.



Image: At a recent WISE event, Susie had the pleasure of meeting HRH Princess Anne.



WISE words

Tony Gee's Stonehouse engineer Susie Jutsum has been accepted on to the Young Women's Board (WYWB) of Women in Science and Engineering (WISE)

The WYWB acts as a 'sounding board' for the main WISE board and will be able to give the views of young women working in STEM (Science, technology, engineering and mathematics).

Susie will also be acting as a WISE ambassador within Tony Gee, where her duties may involve attending and speaking at various media events.

Susie says: "I am really pleased to be given a position on the WISE Young Women's Board and am looking forward to helping drive the campaign forwards. It's really important to showcase the benefits of a career in STEM subjects and I hope I can play a role in inspiring the next generation to move into this area, particularly in engineering."

For more information on the WISE campaign and how it is breaking down boundaries for all, visit the official website: wisecampaign.org.uk

IN BRIEF

• NCE100 RECOGNITION

Tony Gee has maintained its 21st-place ranking in this year's NCE100 Awards. The NCE100 is a totally independent, authoritative assessment of what it means to be an excellent civil engineering practice.



• JOHN VINCETT RETIRES

Tony Gee wished farewell to Marine Director John Vincett earlier this year. John has been with Tony Gee for over 40 years and was instrumental in establishing the firm's thriving marine sector.

This role led him into landmark projects such as the Dawlish Emergency Works, the multi-award winning Three Mills Lock and most recently the revival of the Dover Western Docks.

All at Tony Gee wish John a long, happy and healthy retirement.



• AJE COMES ON BOARD

Following the retirement of John Vincett, Tony Gee has welcomed Adeniyi Aje as the new Marine Director for Tony Gee. Aje is experienced in maritime civil engineering project delivery both in the UK and overseas and has worked with public and private sector clients, stakeholders and regulators, consultants and contractors. His experience covers project management, design, analysis and construction supervision in marine environments.

IN BRIEF

• LOOK NORTH

Tony Gee is strengthening its presence in the north-west with new office space in the heart of Manchester's city centre. The newly-refurbished suite will provide better staff facilities and extensive areas for clients and suppliers to share space with project teams. The larger space will also allow for future growth as Tony Gee consolidates its position in the rail sector and develops capabilities in broader structures and geotechnical markets.

The new office address is 4th Floor, Arthur House, 11-13 Chorlton Street, Manchester, M1 3FH.

• TONY GEE RETURNS TO RWANDA

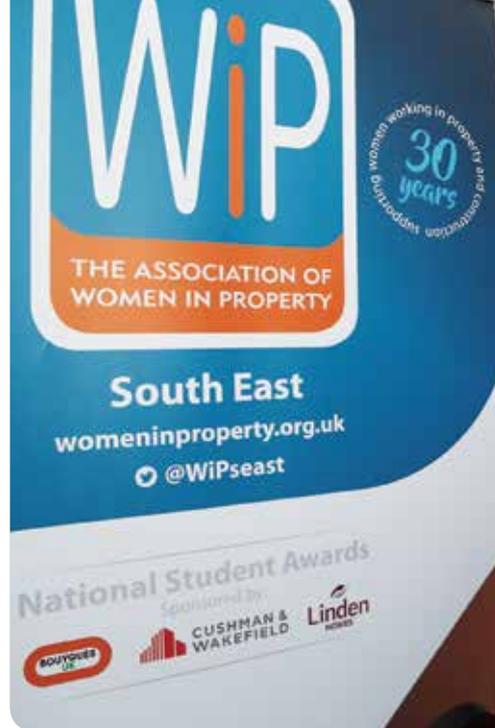
Following the success of last year's Bridges to Prosperity project, Tony Gee and Raymond Brown Construction are reprising their partnership to build a new bridge in Africa.

After successfully raising an astonishing £15,000, the team of 10 volunteers (five from each company) will be heading out to a small village called Kiyumba in July to construct a new 58m-span footbridge over the Bakokwe River.

The community of Kiyumba is primarily made up of farmers who have to cross the Bakokwe River to access trade and other vital services. During the rainy season, this journey is rendered impossible for the villagers, the river causing fatalities and injuries whilst being crossed in the past year. The new footbridge will make it possible for more than 8500 residents of the Kiyumba community to safely reach essential services all year round.



Image: The completed bridge from 2016's B2P project



Student award success

Tony Gee student engineer Joanna Hartnell has been awarded the south-east regional Women in Property (WiP) Student Award.

The WiP awards are organised by the Association of Women in Property and the student awards recognises the most talented students on built environment courses.

Nominated by her peers at University of Surrey, Joanna competed alongside 21 other regional finalists from across Surrey and the south coast region. She was awarded the trophy along with a cash prize.

Commenting on her win, Joanna said: "I'm delighted to be one of the three south-east winners and am very grateful to the Civil

Engineering Department at Surrey. Participating in the WiP Student Awards process has not only provided a valuable insight into the property and construction industry but also the opportunity to engage with senior, motivational role models. It has been a brilliant experience."

Subsequently, Joanna has been entered into the WiP National Student Awards where she will line up against 13 regional winners in the next tier of the awards process. The winner of the National Student Award will be announced on September 20 at Claridge's Hotel in London.

Joanna is currently undertaking her final year at Surrey University as part of Tony Gee's sponsored student scheme.



East Coast challenge

Tony Gee is working as specialist designer with Morgan Sindall and Mott MacDonald on the Werrington Grade Separation project.

This challenging scheme is to deliver a railway dive-under the East Coast Main Line (ECML) close to Peterborough with deep excavations and structures built within tight confines.

The design adopts a curved

portal structure which is detailed to benefit the speed and cost of installation, but also improves future durability and maintenance.

The new reinforced concrete dive-under structure will be cast off-line and jacked through the excavation during a rail blockade. A propping base track slab will be subsequently cast through the portal to form the final box structure.

Contact

If you have an opportunity you would like to discuss, please contact:

UK: Chris Burton

☎ +44 (0)7989 746 576

✉ chris.burton@tonygee.com

Asia: Lee Brown

☎ +852 2377 2765

✉ lee.brown@tonygee.com

UAE: Ted Helsby

☎ +971 2 635 5887

✉ ted.helsby@tonygee.com

Malaysia: Bill Addington

☎ +60 3 6206 1332

✉ bill.addington@tonygee.com



Follow us for our latest news