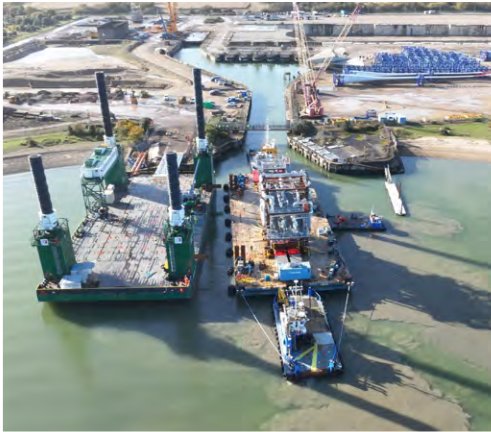




**TAYWOOD
ENGINEERING**



QUEST UNDERGRADUATE SPONSORSHIP 2026

Humility

Teamwork

Excellence

Entrepreneurship

Integrity

Together, we deliver the projects that change people's lives.

Civil engineering is about creating, improving and maintaining the built environment around us.

TAYWOOD Engineering is the consultancy business of Taylor Woodrow, providing cutting-edge full life cycle, both permanent works and temporary works design, project engineering support, digital and front-end engineering services.

TAYWOOD Engineering collaborate and provide value to our clients working on projects for Taylor Woodrow and other companies or partners.



WELCOME

We are proud to have been part of the QUEST programme for several years now with the support of Taylor Woodrow. We now offer a specific pathway graduate and sponsorship programme for graduates who wish to focus on technical and design consultancy, with the benefit of experience and visiting live projects as part of Taylor Woodrow.

We are committed to empowering every member of our team to be the best they can, so it is a real pleasure to have seen first year Students develop into Graduates, and then go on to flourish as Chartered Engineers.

Our projects offer a wide range of opportunities to gain the experience that you need to enhance your knowledge and studies, and we pride ourselves in fostering a family-feel where team members are always there to support and guide you. We hope this booklet helps give a snapshot of TAYWOOD Engineering and what it's like to be part of our QUEST Sponsorship Program to help you decide if it's the right step for you.

We look forward to meeting you during the recruitment process and wish you all the best for your studies and future career.

The TAYWOOD Engineering Team

OUR BUSINESS

TAYWOOD Engineering offers a wide range of services regarding Temporary Works, Permanent Works, ECI support, Digital Engineering and more. All of our services include:



INNOVATIVE DESIGN

Transforming construction with value engineered design that helps deliver excellence at every stage of any project incorporating cutting-edge innovation.



PROFESSIONAL TEAM

TAYWOOD Engineering allow expertise to thrive, seamlessly collaborating with integrity across teams and clients for unparalleled design excellence and true teamwork experience.



QUALITY AND HEALTH & SAFETY

Upholding the highest standards through meticulous quality control and CDM compliance, ensuring every aspect of design is technically assured.

DESIGN SERVICES

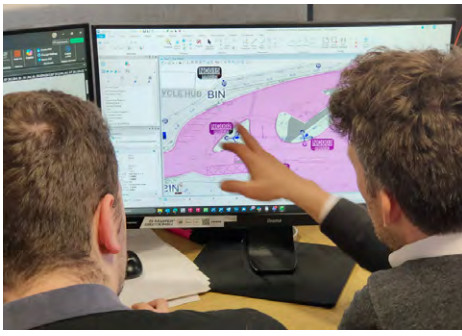
Our multidisciplinary Permanent Works Civils Design team at TAYWOOD Engineering provides expert support across all project stages, including design due diligence. We specialise in delivering high-value, technically robust solutions that meet the highest industry standards and client expectations.

With extensive experience in highways and general civil engineering design, we play a critical role in planning, designing, and maintaining infrastructure across the transportation and energy sectors. Our capabilities also extend into rail, airports, and renewable energy, ensuring comprehensive coverage across a wide range of complex environments.

Our main areas of activity are:

- Roads and Urban Design
- General Civils Infrastructure Design
- Optioneering and Value Engineering
- Design assurance and due diligence
- Coordination between permanent and temporary works design
- Site Investigations
- Pavement Design
- Highways and Urban Design
- Drainage/SUDS Designs
- Earthworks/Geotechnical Designs
- Structural Design and Bridges.
- Foundations Design
- Retaining Walls and Retaining Structures
- Lighting and Signalling Design
- Design Support during ECI & bid stages and construction
- Assets and Bridges general and principal inspections
- Buildability and Swept Path Analysis
- Designs from concept to construction stages





TECHNICAL SERVICES

Temporary Works facilitate the construction, protection, support, or access to permanent structures. Our safety-critical designs range from simple propping solutions to complex structures costing millions of pounds.

With extensive knowledge and skills spanning from Early Contractor Involvement (ECI) to project handover, our team delivers over 1,000 design briefs annually, supporting all UK delegations of VINCI Construction.

- Temporary works design and checking across all sectors
- Temporary works auditing
- Temporary works training and support
- Constructability advice and methodology support
- Value engineering and innovation
- Tender and concept designs
- Temporary works expertise include:
- Structural engineering support
- Working platforms for tracked and mobile plant
- Slope stability analysis
- Earth retaining structures and basement construction
- Earthworks
- Shallow and piled foundations
- Propping and tunnelling
- Building refurbishment, structural alterations and temporary loading analysis
- Demolition and assessment of structures in temporary conditions
- Falsework and formwork
- Scaffolding and access solutions
- Site set up, compounds, site accommodation and hoardings
- Temporary bridges, haul roads, service crossings and highways
- Tower crane bases and complex lifting reviews

DIGITAL SERVICES

We are the Digital Engineering team sitting within TAYWOOD Engineering. We are a powerful enabling tool to unlock new insights into construction methodologies and best practices. Our expertise supports the validation of project viability and constructability from tender through

to delivery. With extensive experience in virtual design and construction, BIM, GIS, drone operations, and data capture, we offer a comprehensive portfolio of services. This enables us to meet the evolving needs of clients across the rail, highways, airports, and energy sectors.

- Tender and concept design visualisations
- GIS Services
- Swept Path analysis
- Cut and fill analysis
- BIM services
- Logistics analysis
- Best practice for digital and design management/delivery
- Digital validation and coordination
- Training delivery
- Digital process tracking
- 3D/4D services
- Data capture
- Aerial Data Capture/Photogrammetry
- Terrestrial Laser Scanning
- Confined Space Mapping
- General Inspections/reports of structures using UAV
- Aerial LiDAR/Topography
- 360 Data Capture
- Underground Services Mapping (AVUS)
- Phasing/methodology Images
- Digital Progress Tracking
- Virtual Reality Solutions
- AR for underground features
- Clash Detection of 3D models
- Quantity Take Offs
- Stockpile analysis and tracking
- 2D drawing production

FOCUS ON...OUR PEOPLE

We are on a continuous journey to provide a better future for us all. Being part of our team means respecting each other, challenging ourselves to be the best we can, and building a business that we are all proud to be part of.



FAIRNESS, INCLUSION AND RESPECT

Different experiences and viewpoints are what makes our team strong and our business successful.

We celebrate our diversity and make sure that everyone's voice is heard. Fairness, Inclusion and Respect is about treating everyone as individuals and fostering an environment where we can all be our best and thrive.

It is a continuous journey and one that we are committed to, taking part in initiatives such as Pride Month and International Women in Engineering Day to open up conversations, make sure people know it's ok to be themselves, and help us connect with each other.

PROFESSIONAL DEVELOPMENT

Our Early Careers Team brings all our learning and career development expertise under one roof and works closely with team members to plan and develop careers, build confidence, and help them achieve their full potential.

Professional qualifications and memberships are encouraged to challenge team members to be the best they can in their area of specialism. These are supported by structured career development paths, which have been established for Engineers and Quantity Surveyors so-far. They provide a defined route-map for development and align with the ICE and RICS Professional Memberships, with a strong mentoring focus. Our programmes provide a specified set of competencies that candidates achieve at their own pace to continuously develop and reach their next career goal.

EARLY CAREERS
Create Your Next Move

ENGAGEMENT

We work hard on our communications to make sure that everyone feels connected and value opportunities for face-to-face communications like our annual Taylor Woodrow Live events.

They involve the whole team taking time out to celebrate our achievements and talk about the future of our business, whilst also providing a great networking opportunity.

We measure engagement annually to understand how our team is feeling. The results of the survey feed directly into our business plan so that we can do more of what we're doing well and work on any areas for improvement.

We have various Employee Network where our placement students and graduates are part of: Early Careers Network, Early Careers Woman Network, LGBTQ+ Network, Neurodiversity Employee Network. You have the opportunity to connect with different people across the business and share ideas.



THE TAYWOOD ENGINEERING QUEST PROGRAMME

QUEST scholars are our talent pipeline for our graduate programme towards Chartered status and beyond. They are the engineering and business leaders of the future, key to the long term sustainability of our business.

We are passionate about building relationships with students during the formative years of your career for a working relationship that grows and strengthens throughout your degree. This invariably leads to exciting long-term career opportunities with us in technical engineering management and associated leadership in the delivery of major civil engineering projects that leave a legacy for generations to come.

The TAYWOOD Engineering QUEST Programme involves:

- Bursary Payment split into two yearly payments
- Eight weeks' Summer Placement and Year-Out Industrial Placement if part of your course
- Graduate Programme

SUMMER PLACEMENTS

Whilst on placement you are assigned an Engineer who will support you through the eight weeks. We also hold a Sponsored Student Dinner during your placement so all the students can meet up and get to know our senior managers who also attend the event

GRADUATE PROGRAMME: ENGINEER DEVELOPMENT SCHEME & 3 YEAR ROTATION

After graduation and based upon your placement performance and academic degree grade achievement, QUEST scholars provide the talent pipeline for our Graduate Programme. This comprises a three-year rotation experience to gain core competencies required for professional qualification with the Institution of Civil Engineers under a designated supervising civil engineer.





All graduates are enrolled into our **Development Scheme**, which follows a structured competency framework matched to the Institution of Civil Engineer's requirements for development into a skilled and competent Engineer working towards charterhip. It gives you control over your own development with the support of a mentor who will ensure that you are gaining the right exposure and help guide you on your journey. In addition, you will be encouraged to undertake technical and behavioural training throughout the three years in order to support the development of your competencies.



VAINAVI PATEL | DESIGN ENGINEER (YEAR SECONDMENT)



"I joined Taylor Woodrow in 2018 as a sponsored student through the ICE QUEST scholarship. After 3.5 years on site and completing the graduate scheme, I recently joined TAYWOOD Engineering. I chose to join TAYWOOD Engineering for my design secondment as I was interested to see how they work alongside Taylor Woodrow and operate as a business unit. I am excited to get involved with designing various solutions for projects across the country whether that is working platform designs for piling rigs, or trench support for excavations. It has been quite some time since I designed anything but I'm confident that TAYWOOD Engineering is the place for me to improve my design abilities."

As I transitioned to TAYWOOD Engineering, I was lucky to already understand a lot of the background processes and admin requirements from working for Taylor Woodrow. This gave me more time to focus on the dedicated training set out in the onboarding plan. I have gained insights into how TAYWOOD Engineering operate with the different management units and this will benefit me during my time with TAYWOOD Engineering and when I return to a site role.

I have joined the Technical Services management unit and have found it is a great way to learn more about what you need to consider when requesting temporary works and how to design them. When I joined the team, my ability to review

and design a temporary works solution was very limited but I have received invaluable support to improve, even receiving a few design briefs in my first few weeks.

When completing a design brief, there is a lot of work that happens "behind the scenes" to someone who has been based on site for the past 3.5 years. I have needed to produce calculations and drawings, which were very difficult to do at first and require a lot of information that site teams don't always provide. The drawing process is supported by procedures and training to provide understanding on the standardisation and how to draw on AutoCAD so that it matches the procedure.

IAIN MILLINGTON | CN AWARDS - TRAINING EXCELLENCE TESTIMONIAL



Working within TAYWOOD Engineering has been an important step in my career. The breadth of knowledge across the teams has enabled me to build a strong technical understanding of engineering principles and directly supported me in successfully passing my chartership review.

TAYWOOD Engineering has provided exposure to a wide variety of projects and construction types. Through these experiences, I have developed a

broad knowledge base and the confidence to tackle diverse engineering challenges. I have gained valuable insight into both temporary and permanent works design, while considering the full construction lifecycle to support the successful delivery of VINCI projects.

This depth of learning is made possible by the highly skilled and experienced TAYWOOD Engineering team. Their expertise has been instrumental in helping me

apply engineering principles to real world problems and consistently achieve high standards.

As part of the wider VINCI family, TAYWOOD Engineering has offered me the opportunity to see my designs implemented on site. This invaluable exposure to construction has strengthened my understanding of buildability and enabled me to produce designs that work not only in theory, but also in practice for those constructing them.

I would highly recommend joining TAYWOOD Engineering at the start of a career. It is an excellent organisation in which to develop as an engineer, offering unique opportunities to deliver designs that are not only technically sound, but successful in the real world.



Graduate Programme Practical Week



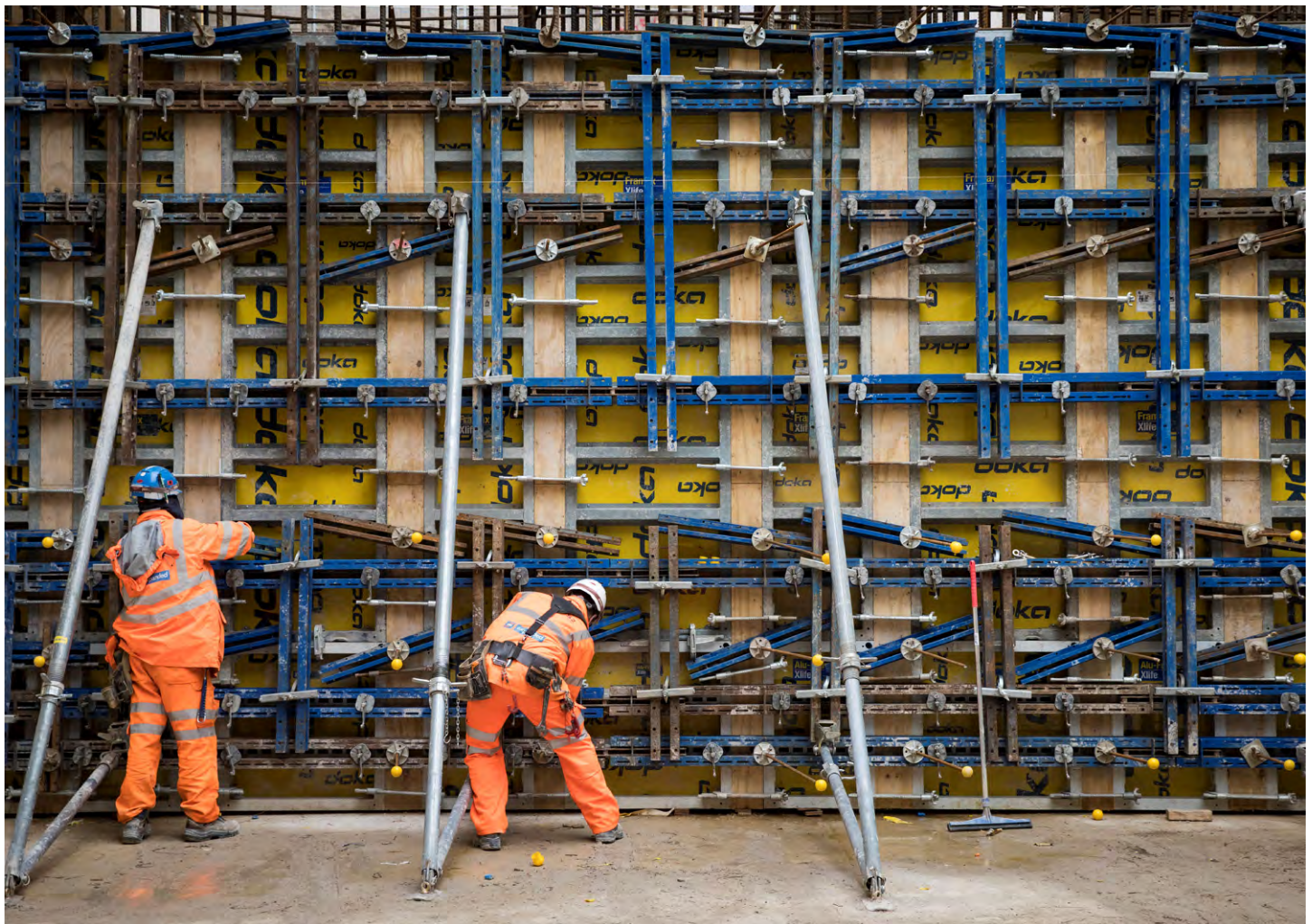
WHAT HAPPENS NEXT

We want to take the opportunity during the interview to understand how our values and your aspirations could meet, and to make sure we could be a good support network throughout your development journey.

After the interview day, we both have to shortlist our preferences through a ranking system. ICE will use a matching process to align the students' favourite potential sponsors with the company's preferable candidates.

So, if after the interview you are certain that TAYWOOD Engineering would be the most suited company to sponsor you, you should make it your first preference in order to increase the chances for the pairing to work.

So take your time now and during the interview to get to know the companies you are selecting for sponsorship, to ensure you make the right choice for your professional future. Good luck and we look forward to speaking to you soon.





**TAYWOOD
ENGINEERING**

TAYWOOD ENGINEERING | 58 | CLARENDON ROAD | WATFORD | HERTFORDSHIRE | WD17 1DA

 @taylorwoodrow1 |  Taylor Woodrow |  @TaylorWoodrow1 |  @Taylor_Woodrow1

info@taylorwoodrow.com | WWW.TAYLORWOODROW.COM/TAYWOOD-ENGINEERING

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