



akt II

Meet AKT II.

**Structural
Infrastructure
Facade
Bioclimatic
Geotechnical**
World-class engineering.

Certified

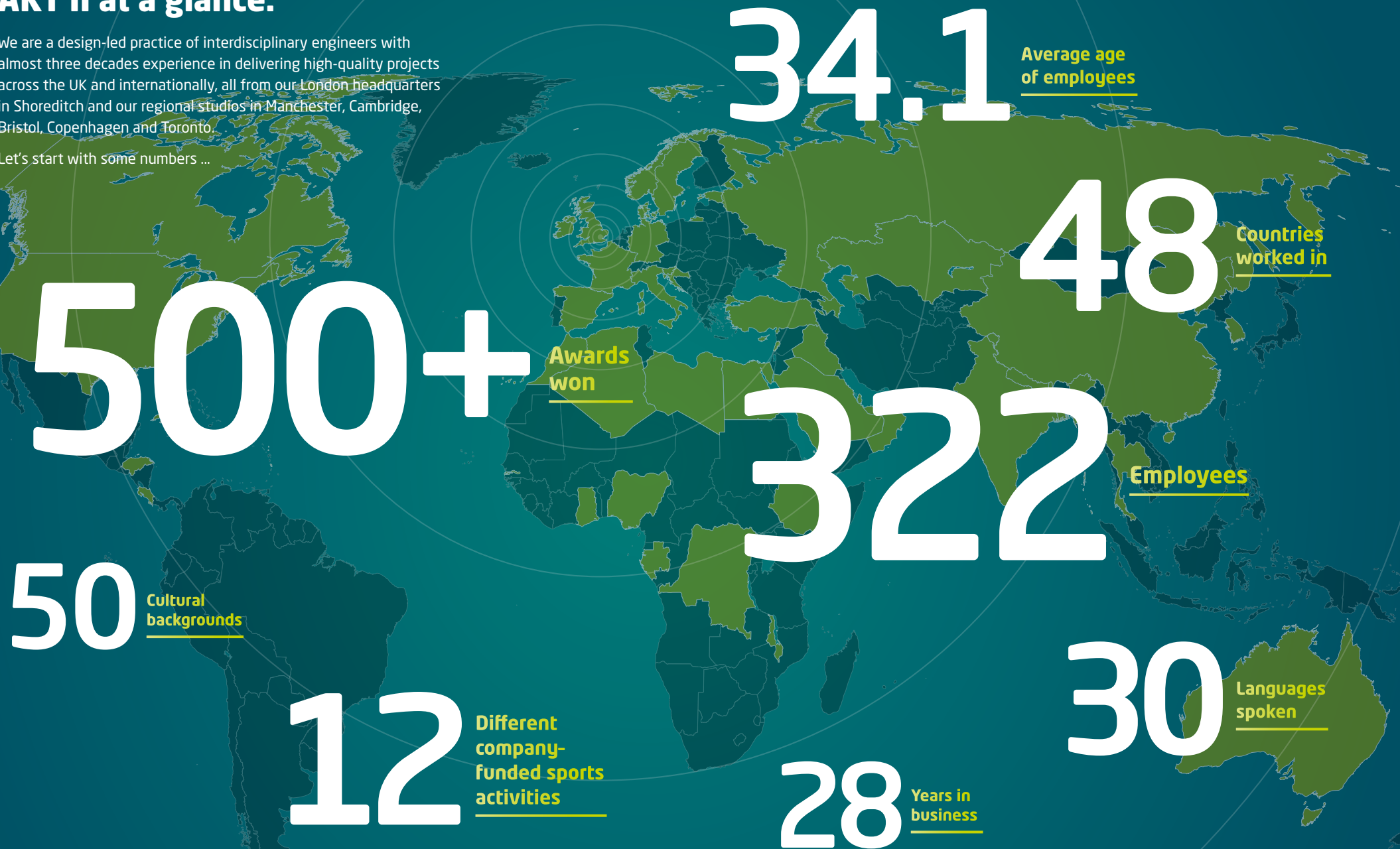


Corporation

AKT II at a glance.

We are a design-led practice of interdisciplinary engineers with almost three decades experience in delivering high-quality projects across the UK and internationally, all from our London headquarters in Shoreditch and our regional studios in Manchester, Cambridge, Bristol, Copenhagen and Toronto.

Let's start with some numbers ...

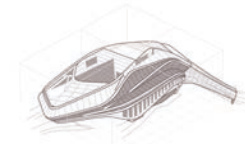


What we do.

AKT II is at the forefront of developing the future of engineering through innovative and sustainable approaches. Our structural, civil and facade teams have a track record for delivering complex, award-winning projects across a variety of sectors: from commercial headquarters to residential towers, sustainable educational facilities and large-scale retail, as well as complicated rejuvenations of listed structures and the design of pioneering pavilions. We work with

many of the world's most famous architectural firms, such as Foster + Partners, Zaha Hadid Architects and Bjarke Ingels Group, and for many high-profile clients like Bloomberg, Google and British Land.

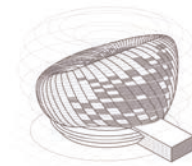
Joining us as a graduate engineer, you will be able to jump onto our exciting projects from the very first day, working with your new colleagues to design the next groundbreaking building for the UK or overseas.



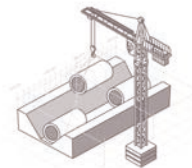
Structures.



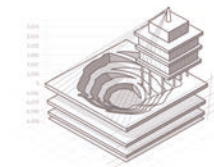
Bioclimatic.



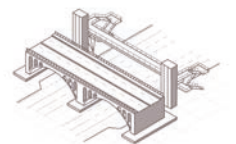
Envelopes.



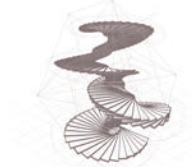
Civil.



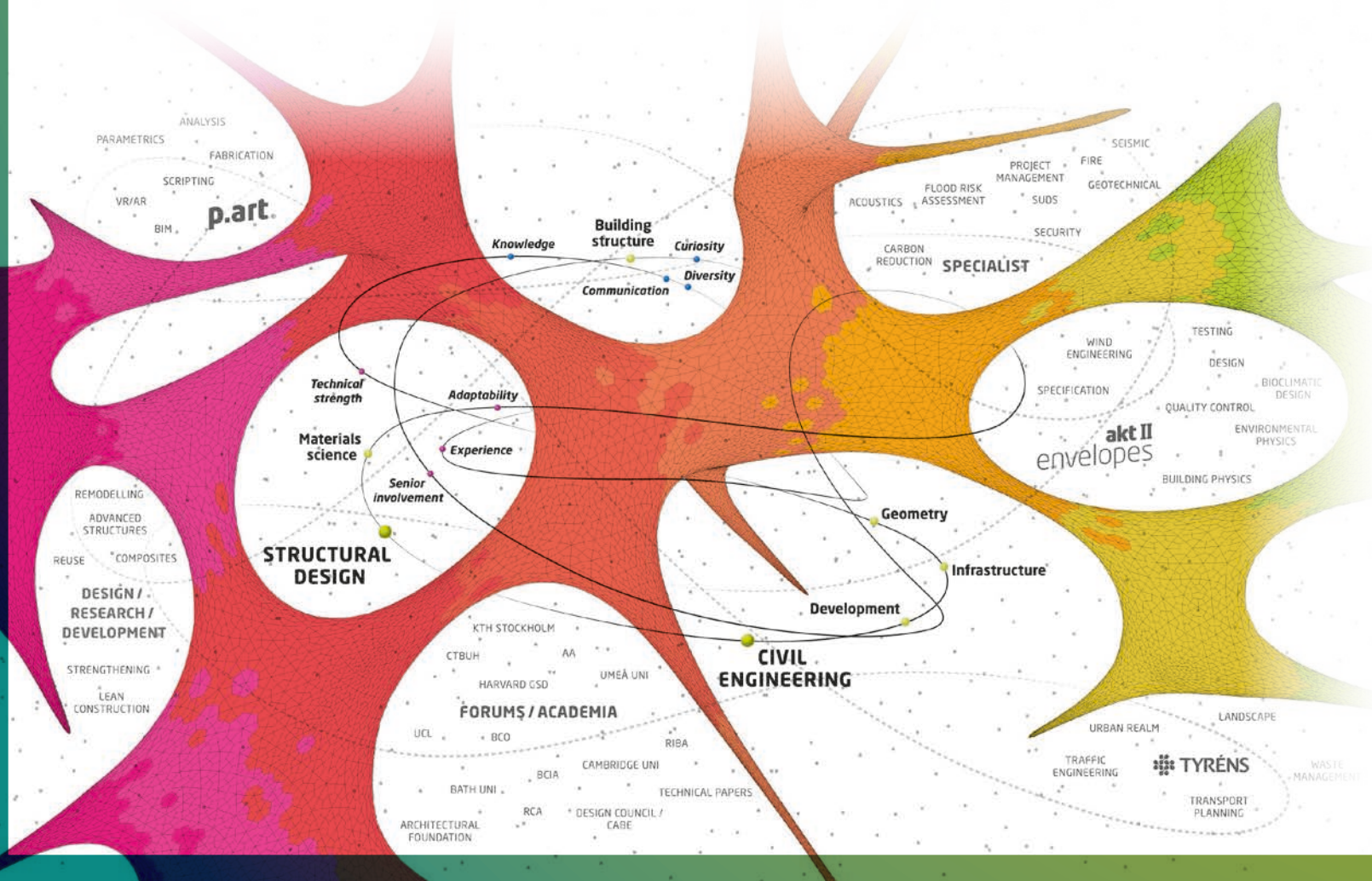
Geotechnical.



Infrastructure.



Computational.





Our culture.

Fundamental to the company and the structure of our teams is our firm belief in a design-led approach to work. Design is, by its very nature, curious, iterative and subject to refinement, and this must be embraced in order to be successful; good design need not cost the earth!

We also seek to transmit our passion, beliefs and knowledge into the academic world, with many of our engineers taking up positions at some of the most prestigious academic institutions, including Harvard University, University College London and the Architectural Association's Design Research Lab.

Diversity is embraced in all its forms at AKT II. It enriches the workplace whilst encouraging openness to a multitude of approaches. At last count, our office is populated by people representing over 50 cultural backgrounds with the ability to speak over 30 languages.

As well as inspiring our staff with the quality of the projects we continue to win, we believe it is important to encourage a healthy balance of work and play; with sports teams competing in leagues and competitions, and social events held throughout the year, there are always opportunities for you to get involved.

Your role as a structural engineer.

As a graduate structural engineer, you would join one of our established teams to work on a wide range of projects. You could jump onto a high-rise residential scheme in London or a huge commercial development in India, working with reinforced concrete, timber or a material new to structural design.

▼ Kholoud worked on One Park Drive, one of London's tallest residential towers, designed with architects Herzog & de Meuron.



The graduate's view

Kholoud.

MEng Civil Engineering with Architecture, City University of London

Why did you choose AKT II?

I chose AKT II because of the wide variety of projects, especially in the international market. I had also heard from people within the company that there was a high level of involvement as graduates in the design stages compared to the other places, so I saw AKT II as a good fit.

Did you get involved in AKT II's social / charity events?

I've helped with the Bow School workshops, where we introduce engineering from our perspective to a group of young GCSE girls, explaining what we do on a normal day, interesting structural phenomena, and

then helping with a workshop activity where the girls get to build the longest bridge or tallest tower with straw, paperclips, spaghetti and marshmallows. I am also part of the social committee, which involves organising the Christmas and summer parties and the office discussions, which is all good fun.

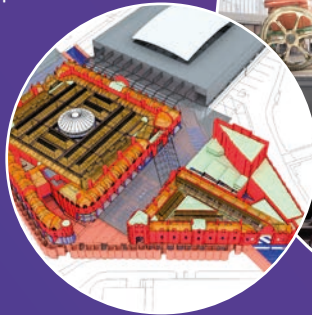
What was the highlight of your first year?

Looking back and realising how much I've learnt compared to when I first started.



Your role as a civil engineer.

As a graduate civil engineer, you would join our experienced team to work on the infrastructure engineering design of projects from inception to completion, producing the detailed design to meet the design and construction programmes. Each project will be different, whether they feature sustainable drainage, traffic assessment, geotechnical analysis or a complex combination of everything the discipline has to offer.



▼ On the London Museum project Kico designed sustainable drainage systems in order to provide relief to the City of London's existing public sewer network.

The graduate's view

Kico.

MEng Civil Engineering, Brunel University

Why did you choose AKT II?

The wonderful regional and overseas projects that AKT II are involved in, the level of involvement graduates get right away, and the clients and architects that AKT II work with.

Which project has been your favourite so far?

It has to be Google's London Headquarters - a 330m-long project with complex and challenging civil engineering design features. Another one has to be Bankside Yards, because the building is surrounded by a live Network Rail line, the River Thames and a busy crossroad, all adding to the design challenges.

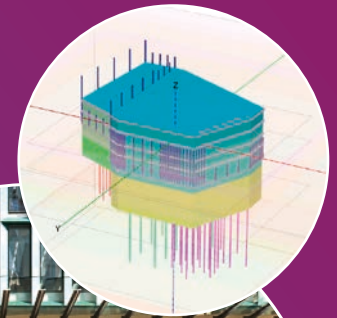
Did you get involved in AKT II's social / charity events?

My favourite is the annual dragon boat race, simply because I don't know how to boat. Oh, and co-captaining our football team to victory in a competitive corporate league with other disciplines. Engineers work hard and play even harder!



Your role as a geotechnical engineer.

As a graduate geotechnical engineer, you'll be joining our growing team who work on a wide range of challenging ground engineering projects. You will be an instrumental part of each project, learning about constructability, geotechnical analysis and design whilst working closely with different project teams on buildings, deep basements and geotechnical structures across the UK and the globe.



► Olivia works on EDGE London Bridge, London's most sustainable tower, located next to London Bridge station.

The graduate's view

Olivia.

B.Eng Engineering Geology and Geotechnics, University of Portsmouth

Why did you choose AKT II?

I chose AKT II because of the exciting projects and the great opportunities the company provides. It was a great place to start my career as I was managing large-scale projects within the first few weeks which gave a great sense of pride and ownership. I knew the company offered exciting, international projects which would provide great experience. Furthermore, it was a unique opportunity to join a growing team with various career backgrounds.

Did you get involved in AKT II's social / charity events?

AKT II is such a sociable company, it quickly became one of my favourite things about working here. There is something for everyone and constant activities are available throughout the week.

I always look forward to the office parties, and it's great knowing so many fun activities are benefiting the chosen charities which AKT II members of staff vote on every year.

What was the highlight of your first year?

My highlight was how quickly the company allowed me to progress in such technical aspects of the job. One year in, I learnt so many skills as both a designer and project manager. Working closely with my team, who are brilliant engineers as well as great people to work with, made my experience an amazing one. I worked on various award-winning projects where I learnt invaluable skills I will use throughout my career.



Your role as a facade engineer.

As a graduate facade engineer, you would join our growing envelopes team, working on projects in the unique realm between engineering and architecture. Appearances are important, but this means little if the design doesn't work holistically and sustainably with the rest of the building. Your first project may be a brick wall for a new residential block, a glazed commercial office or a mixed-use scheme of various typologies and materials.



► Andrea worked on the envelope design for a series of luxury resorts in the Red Sea.

The graduate's view

Andrea.

MSc Building Engineering, Politecnico di Milano, Italy

Why did you choose AKT II?

The first time that I heard about AKT II was two years ago on a construction site visit of the Generali Tower (Zaha Hadid Architects) in Milan. I then found out that they also have an envelope team, and as I really wanted to work for a facade consultancy firm who works on world-class projects, they were my main option when I decided to move to London.

Which project has been your favourite so far?

My favourite project so far has been AURA, a 200m residential tower in Cyprus. It has been so interesting to be involved in this project since the early stage scheme design, because I had the possibility to make suggestions to the architects

when designing the envelope of this exciting building, speeding up the overall design process.

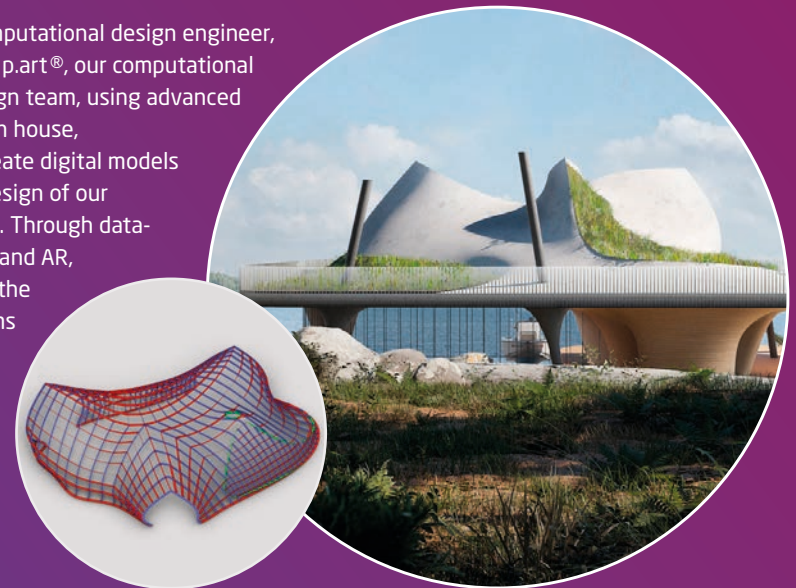
What was the highlight of your first year?

To me, it's incredible how much my knowledge and experience has developed so far. This is due to the skills of the team in which I'm working and to the way they have been able to transmit them to me. Moreover, I was positively surprised by the way people here at AKT II knew how to welcome me and make me feel at home from the very first day.



Your role as a computational design engineer.

As a graduate computational design engineer, you'll work within p.art®, our computational research and design team, using advanced tools, developed in house, to analyse and create digital models to optimise the design of our practice's projects. Through data-driven design, VR and AR, you'll help inform the wider design teams with cutting-edge digital analysis.



▼ Lucy is working on a high-end residential project in North America, using complex doubly-curved steel monocoque construction.

The graduate's view

Lucy.

MEng Architecture, University of Leeds

Why did you choose AKT II?

The range of projects in both shape and scale really interested me, I thought The Twist in Norway was brilliant! Also, AKT II's design-led approach appealed to me as I have a combined engineering and architectural background.

Did you get involved in AKT II's social / charity events?

I have enjoyed getting involved with our climbing/bouldering club once a week. As well as taking part in the dragon boat race against other companies within the construction industry, all for charity!

What was the highlight of your first year?

The past twelve months, working within p.art, has rapidly grown my engineering knowledge, and it has been fascinating to gain experience on several different projects. All whilst learning plenty of software packages along the way. Also, the culture and support from my peers at AKT II has made it a great place to work every day.



Business support roles within AKT II.

Alternative career routes into our award-winning consultancy.
Over 10 % of our staff currently work in the following teams:

Accounts

Our Accounts team deals with the day-to-day management of our company's finances; handling sales and supplier invoicing, payroll and expenses which helps to keep our organisation running efficiently.

Admin

Admin support ranges from PA roles for senior directors, receptionists to work our front desk and facilities managers within our central London office. The team is the backbone of the practice, well-respected and crucial for all our staff.

Branding & Graphics

Our in-house creative studio works continuously on creating high-quality print and digital work, including editorial, exhibition, web and motion design, as well as film-making, to help our practice continue to lead the field.

Marketing & Communications

Our Marketing & Communications team raises our practice's industry profile through events, awards, digital, print and strategic marketing. The team works using both internal and external communications, including digital marketing, such as social media, video content and email.

HR

Our HR team helps the business run smoothly and sources new talent to help our continued growth and build on AKT II's success through every department.

IMS (Integrated Management Systems)

The IMS team provides a practical framework which allows our teams to effectively manage and mitigate business and project risks. We set our approach by managing compliance and the certification to international standards covering Health and Safety, Environmental and Quality.

IT Support

Our on-site IT Support team ensures that our network stays connected providing technical solutions for all of our staff, up and down the country.

Legal

The Legal team proactively supports the organisation, understanding legislative and regulatory change that affects our business. It offers a responsive service, providing commercially astute advice, and contributes to developing the strategic direction of the business within the relative legal frameworks.

My success story at AKT II.

I joined AKT II 26 years ago as a design engineer after graduating from the University of Sheffield and a short period at another firm. Now, I'm one of the design directors at AKT II and a board director. My role focuses on overseeing a broad range of projects across the globe and also, as an individual, I work with our new regional offices.

Back in 1997, AKT II was a young yet ambitious company - at the time there were less than 20 employees! From my first interview it became clear there were big plans, and the founding directors clearly knew where they wanted to take the practice. Joining such a new studio at that time was a small yet calculated risk, but one that has paid dividends for me, having grown with the business to the success story it is now, which I am an integral part of.

Through the earlier stages of my career here, I was fortunate enough to work on relatively small but complex projects which allowed me to use my initiative and take on responsibility from the get-go, with the senior engineers and directors providing collaborative guidance and support throughout. AKT II still has the same DNA as when I started, and everyone collaborates with no internal barriers, and we all work for the collective good.

My career path, whilst within a small, growing practice originally, is still similar to what graduates can expect today - moving from design engineer to senior engineer, to associate then associate director and eventually to director through our supportive and open practice.

AKT II's environment nurtures a collaborative approach for every member of staff, no matter what position you start at. We encourage you to develop yourself by learning from others and working alongside everyone within the practice.

Steve, board director.



Our work.

Based in our London headquarters at the White Collar Factory (which also happens to be one of our own designs), we have ongoing and completed projects all across the UK.



▼ LSE Marshall Building, London

Client: London School of Economics and Political Science,
Architect: Grafton Architects



▲ Bloomberg European HQ, London

Client: Bloomberg,
Architect: Foster + Partners

◀ Luton Power Court Stadium, Luton, UK

Client: Luton Town FC,
Architect: AECOM

◀ The Chancery Rosewood, London

Client: Qatari Diar, Architect: David Chipperfield Architects

▼ Merchant Square Bridge, London

Client: European Land, Architect: Knight Architects



◀ One Park Drive, London

Client: Canary Wharf Group,
Architect: Herzog & de Meuron



▲ The Tide, London

Client: Knight Dragon,
Architect: Diller Scofidio + Renfro

▼ Neuron Pod, London

Client: Queen Mary University of London,
Architect: aLL Design



▲ Maggie's Yorkshire, Leeds

Client: Maggie's Cancer
Caring Centres,
Architect: Heatherwick
Studio

► UCL East Marshgate, London, UK

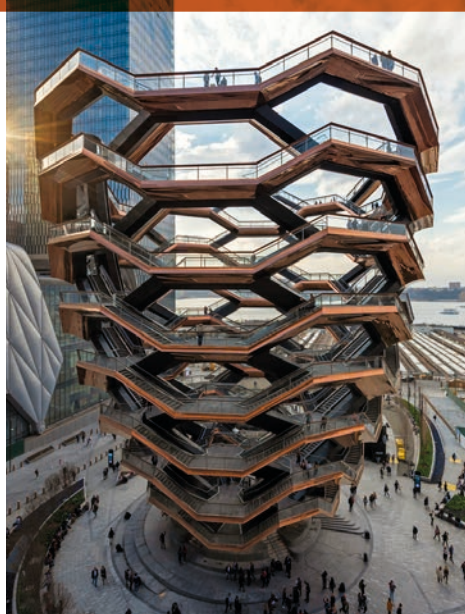
Client: University
College London,
Architect: Stanton Williams



Having worked in over 40 different countries, we can boast a truly global portfolio that demonstrates our inherent understanding of different cultures and strong communication skills.



▲ **Vessel, New York City, USA**
Client: Related Companies,
Architect: Heatherwick Studio



▲ **Welcome, feeling at work, Milan, Italy**
Client: Europa Risorse,
Architect: Kengo Kuma and Associates

► **Oslo Airport, Gardermoen, Norway**
Client: Avinor,
Architect: Nordic - Office of Architecture



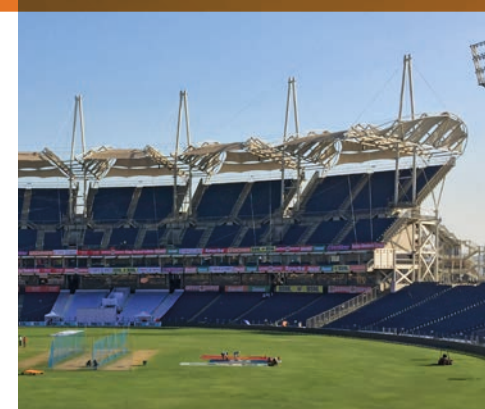
◀ **Napoli Afragola High Speed Train Station, Italy**
Client: TAV spa,
Architect: Zaha Hadid Architects

► **Ummahat Islands, Saudi Arabia**
Client: Red Sea Global,
Architect: Kengo Kuma & Associates, Foster + Partners



▲ **The Twist, Jevnaker, Norway**
Client: Kistefos Museum, Architect: BIG - Bjarke Ingels Group

▼ **Zayed National Museum, Abu Dhabi, UAE**
Client: Department for Culture and Tourism,
Architect: Foster + Partners



▲ **Maharashtra Cricket Association Stadium, Pune, India**
Client: Maharashtra Cricket Association, Architect: Hopkins

▼ **Ismaili Centre Houston, Texas, USA**
Client: Imara Houston, Aga Khan Development Network,
Architect: Farshid Moussavi Architecture



Scan for more projects

Ten reasons for joining the team.

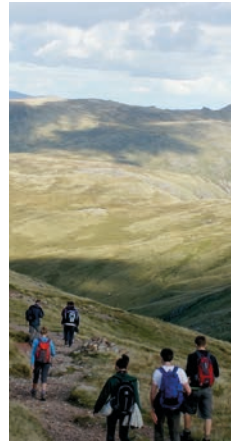
1 Award-winning projects

Opportunities to work on a wide range of projects, from small pavilions to large schemes with high-profile architects.



2 A creative environment

An office where the skills and opinions of all members of the team are afforded importance, provides inspiration and generates real energy.



3 Open and friendly environment

An office that is sociable, open, fun and rewarding – a genuinely nice place to work at.



4 Rich social calendar

Emphasis on regular social activities, including team events, office discussions and our ever-popular 'Tidy Friday' at the end of every month.



5 Sports and activities

Staff are encouraged to take part in our company-funded sports teams and other activities such as softball, yoga, swimming and cycling.



6 Charity events

Regular events and schemes that raise money for charity and engage with the wider London community.



7 Attractive package

A competitive salary and pension, plus benefits such as a flex scheme for holidays, insurance and cycle-to-work schemes.



8 Active CPD and training

Training for all via internal and external courses. CPD requirements are assessed by our Engineers' Forum at monthly meetings.



9 Chartership programme

All engineering graduates are provided training to achieve chartered membership of either ICE or IStructE.



10 Buddy system

Each new employee is assigned a buddy who can help during the first few weeks.



How to apply.

If you are interested in working in a dynamic, forward-thinking environment that strives to push the boundaries of what is physically possible to build using advanced software, materials and techniques, along with the challenges and excitement of working on these jobs, then do not hesitate to send us your application.

careers@akt-uk.com

akt-uk.com / careers



Scan or click
the QR code



**Architizer A+ Awards 2021
Engineering Firm of the Year**



**Building Awards 2019
Engineering Consultant of the Year**



**Tall Building Awards 2022
Best Tall Building Structural Engineer**

**London
Manchester
Cambridge
Bristol
Copenhagen
Toronto**

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