



Elizabeth House, London

SWECO 

# Introducing Sweco

Transforming society together

## Our vision

We are city planners, engineering partners, building designers, urban innovators, landscape shapers, nature protectors, planet savers and **difference makers**.

Our specialists have the expertise, determination and responsibility to solve the challenges of today with tangible results.

Queensferry Crossing, Edinburgh



# We are Sweco

Together with our clients and the collective knowledge of our 18,000 architects, engineers and other specialists, we co-create solutions that address urbanisation, capture the power of digitalisation, and make our societies more sustainable.

**Transforming society together.**



# What we do is more important than ever before

To create sustainable solutions...



...in an increasingly urban...



...and digital society.





# Our expertise

With our multi-disciplinary skills, we can call on the right knowledge and technical capability at the right time from across our Advisory and Planning, Buildings, Infrastructure and Compliance experts.



# Advisory & Planning

Our specialist advisory and planning teams use their unrivalled collective and individual expertise – as well as leading-edge tools, technologies and innovations – to ensure your project is thoroughly scoped, efficiently managed and always compliant.

- Active & Sustainable Travel
- Air Quality Consultancy
- AR/VR
- Asbestos Risk Management
- Asset Management Advisory Services
- BIM Consultancy (A&P)
- Biosolids Management
- Business Case Development
- Carbon Management (inc Decarbonisation)
- Clean Air Zones/Planning
- Contaminated Land Quality/Assessment & Remediation
- Coordination Management/Clash Detection
- Data Analytics Advisory
- Data Attribute Checking
- Digital Advisory Services

- District Heating
- Due Diligence (Technical & Environmental)
- Ecology & Biodiversity
- Energy Storage
- Engagement & Consultation
- Environmental Consultancy
- Environmental Impact Assessments
- Geospatial Mapping/Visualisation
- Greenhouse Gas Emissions/Cost Accounting
- Ground Engineering
- Hydro (Ireland)
- Industrial Noise & Vibration (A&P)
- Landscape Architecture (A&P)
- Operational Technology Advisory (Asset Management)
- Owner's Engineer Services

- Pre-demolition Audits
- Process Safety Management
- Remote Asset Management
- Renewable Energy
- Resources/Materials Management
- Solar Energy
- Strategic Advice & Planning
- Sustainability Sun
- Thermal Biomass
- Transport Advisory & Planning
- Transport Modelling & Appraisal
- Travel Behaviour Change
- Urban Noise & Vibration
- Virtual Rooms
- Wind (Onshore & Offshore) Energy

# Buildings

We are passionate about creating healthy spaces for people to live, work and play. We deliver market-leading excellence through sustainable design, ingenuity, creativity and a commitment to meet the needs of our clients across all sectors.

- Asbestos Risk Management
- BIM (Buildings)
- Building Acoustics
- Building Design Management
- Building Façade Design
- Building Infrastructure Design
- Building Network Infrastructure
- Building Performance Consultancy
- Building Services Engineering
- Building Sustainability
- Commercial (Sector)
- Digital Building Solutions
- Education (Sector)

- Energy & Carbon Strategy (Buildings)
- Film Studios (Sector)
- Fire Engineering Solutions (Buildings)
- Gigafactories & Automotive (Sector)
- Healthcare (Sector)
- Hotels, Leisure & Tourism (Sector)
- ICT, Electronic Security & AV
- Intelligent Building Solutions
- Landscape Architecture (Buildings)
- Life Sciences (Sector)
- Logistics (Sector)
- Mechanical & Electrical (Buildings)
- Mission Critical (Sector)

- Parametric Design
- Recladding & Fascades (Sector)
- Repurposing (Sector)
- Residential & Urban Regeneration (Sector)
- Structural Engineering Services
- Urban Area Planning
- Urban Noise & Vibration (Buildings)
- Vertical Transportation
- Virtual Rooms



# Building Standards

We offer both proactive and commercially driven support that helps our clients to identify, address and fulfil compliance obligations across all types of projects.

Assigned Certifier Services (ROI)

Building Control

Building Safety

Fire Safety

Health & Safety

Virtual Rooms



# Infrastructure

Our specialists draw on their multi-disciplinary skills to support clients in delivering sustainable, well designed and integrated solutions for road and rail networks, water systems and energy markets.

- AMP Frameworks
- BIM for Transportation (Infrastructure)
- Bridges & Civil Structures
- Construction Supervision
- Development Infrastructure
- Development Planning
- Digital Twins
- Digital Water Solutions
- Drainage Engineering
- Energy Transmission & Distribution
- Environmental Compliance
- Flood Protection Solutions/Flood Risk Management
- Geomorphology
- Groundwater & Surface Water Resources
- Highway Design

- Highway Engineering
- Hydrogeology
- Intelligent Transport Systems
- Landscape Architecture (Infrastructure)
- Mechanical & Electrical (Infrastructure)
- Multimodal Studies
- Parametric Design
- Pavement Engineering
- Process Design & Optimisation
- Project Management
- Rail Consultancy
- Risk & Value Management (Transportation)
- Road Safety Solutions
- Sludge Treatment
- Stakeholder Management/Engagement
- Street Lighting

- Traffic Engineering & Design
- Transport Appraisal
- Transport Economics
- Transport Planning
- Transport Policy & Strategy
- Transportation Infrastructure Sectors
- Urban Energy
- Virtual Rooms
- Waste to Energy
- Wastewater Treatment
- Water & Wastewater Infrastructure
- Water engineering
- Water Treatment
- Zero Drawing

# Our commitment to sustainability

At Sweco, we aim to be a role model in sustainability, taking responsibility for and being part of the solution to society's sustainability and carbon reduction challenges. We deliver innovative solutions through expert consultancy and high-quality design.





# Global expertise

At Sweco we have the unique ability to call upon the right insight and technical capability at the right time from across our multi-disciplinary skills landscape.

**18,000**

Difference-makers across Europe

**#1**

Position in European market

**€2bn**

Turnover (2021)



# Local presence

At Sweco we work as a team of teams - sharing knowledge and expertise to create value for our clients.

**1,400**

Multi-disciplinary experts across the UK and Ireland

**18**

Offices in the UK and Ireland







## Our promise to you

Don't think of us as consultants. Think of us as a trusted member of your team.

Whether we are delivering strategic infrastructure, providing digital advice or conducting a building survey - if it matters to you, it matters to us.

We want to understand your needs better than anyone else and create forward thinking solutions that deliver successful outcomes.

We promise to be your most approachable and committed partner. Whatever your vision, we can make it happen. Whatever challenges you face, we will be there to solve them.

# Our recent achievements





# Social impact

Corporate social responsibility is central to our organisation. We partner with stakeholders to improve job accessibility, provide access to training programmes, offer apprenticeships, and encourage young people to consider STEM subjects. We work with charities, government organisations, and policy makers to drive genuine change in the communities and cities where we live, work and play.



Expert Knowledge, Innovative Thinking

# Urban Insight

Our cross border knowledge platform provides the latest solutions and practices in sustainable urban development. By understanding how citizens view, understand and use urban areas, we can create sustainable, attractive and innovative spaces. This means having Urban Insight.

Read more



[www.sweco.co.uk/urbanisation/](http://www.sweco.co.uk/urbanisation/)



# Urban Insight

Urban Insight is a long-term initiative that develops insights and shares valuable data and facts with clients, employees and the society across a vast array of themes.



## Towards Circularity

Focuses on the transition towards greater sustainability in urban areas and highlight the key steps we must take to achieve net zero societies.



## Urban Health & Wellbeing

Focuses on social sustainability (healthy societies), health prevention and how to build resiliency within communities.



## Climate Action

Provides solutions on how to mitigate and adapt future cities and communities.



## Urban Energy

Looks at the demand and types of urban energy required as cities grow.



## Urban Move

Focuses on urban and landscape infrastructure addressing the themes of sustainability mobility and transport.

For more information visit our Urbanisation Insights hub:

Read more



[www.sweco.co.uk/urbanisation/](https://www.sweco.co.uk/urbanisation/)

# We are experts at building collaborative relationships

At Sweco, we work as a team of teams – sharing knowledge and expertise to create value for all clients. Think of us not so much as a consultant but as a trusted member of your team.





# Our projects

# Bloom Schools Decarbonisation

Our specialists are developing the heat decarbonisation plans for over 100 school estates across England. The assessments are focusing on existing and potential heat technologies and energy efficiency improvements.





# Velum Sky, Geneva

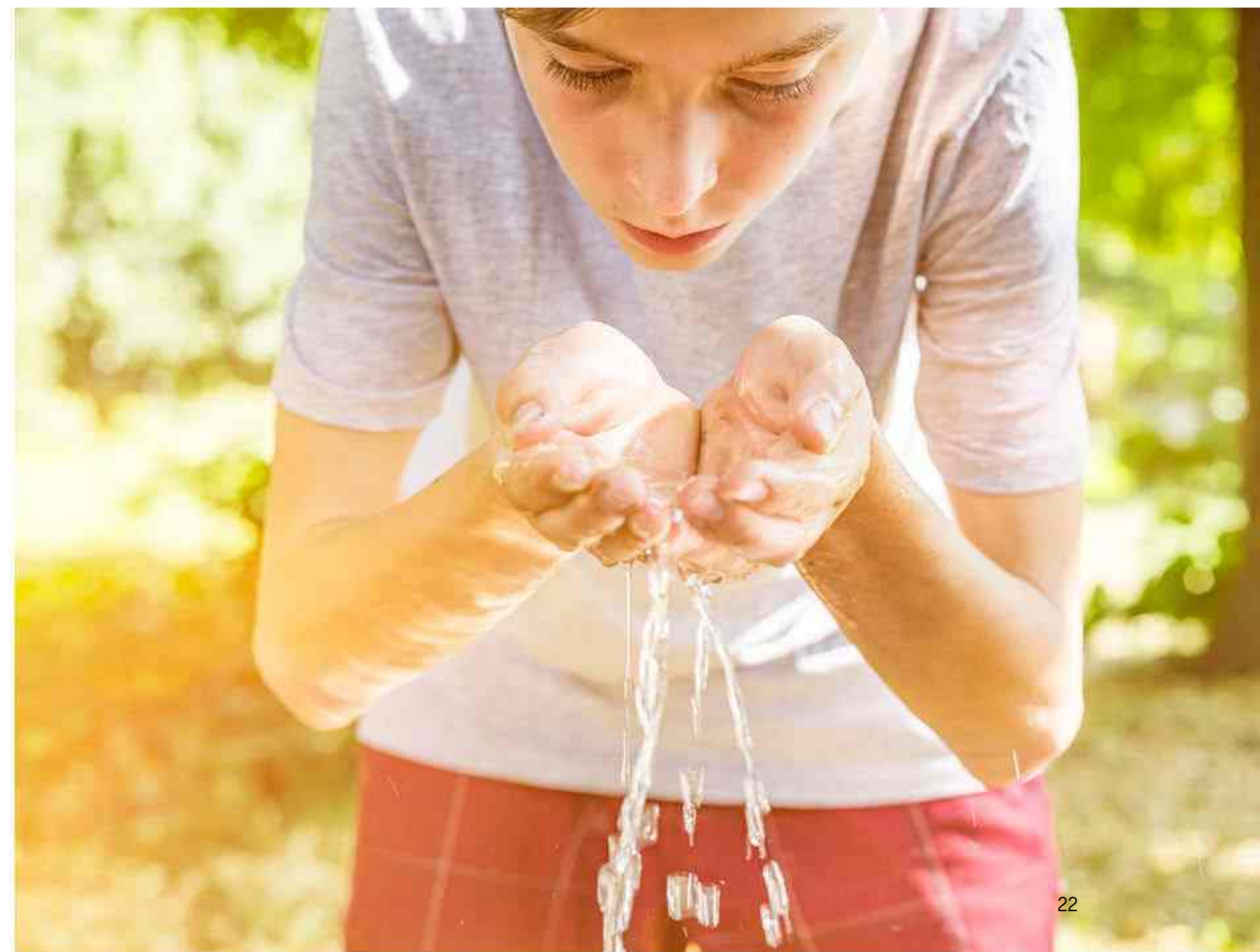


Introducing Sweco

Our team is supporting the development of a sustainable building design, which includes an innovative fin solution to allow natural ventilation within the occupied space. With a clear focus on the end-user's wellbeing, the project is set to achieve one of Switzerland's first BREEAM Outstanding certificates.

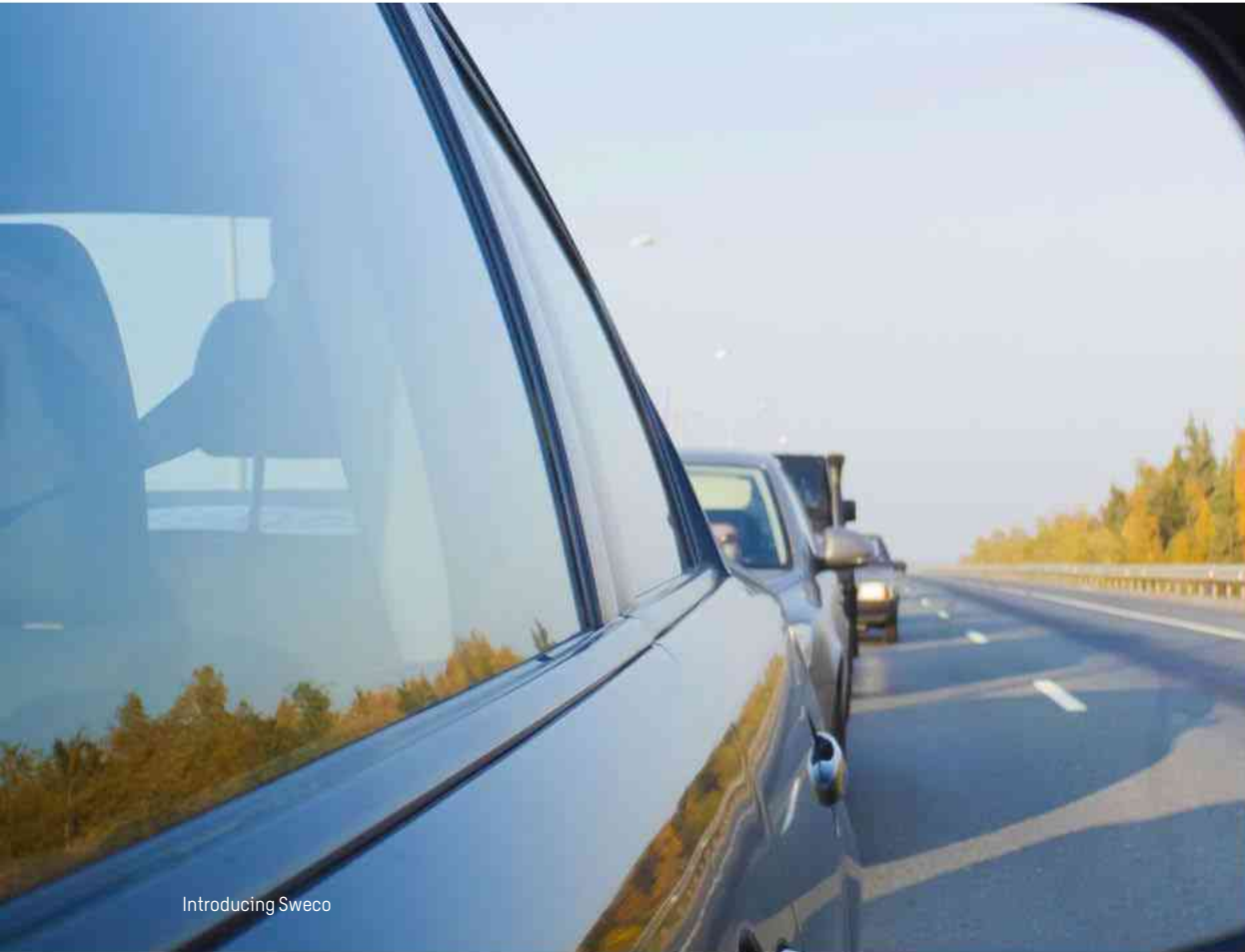
# Visualising Climate Impact for the Water Industry

Working with Anglian Water, Welsh Water, Affinity Water and Skanska, our team of experts has developed a ground-breaking model for visualising climate and financial costs. The model will be integrated in Anglian Water's working practices and subsequently made available to the entire UK water industry to make climate calculations over the project's entire lifecycle, making the solutions more sustainable and accurate for residents, society and the environment.





# M20

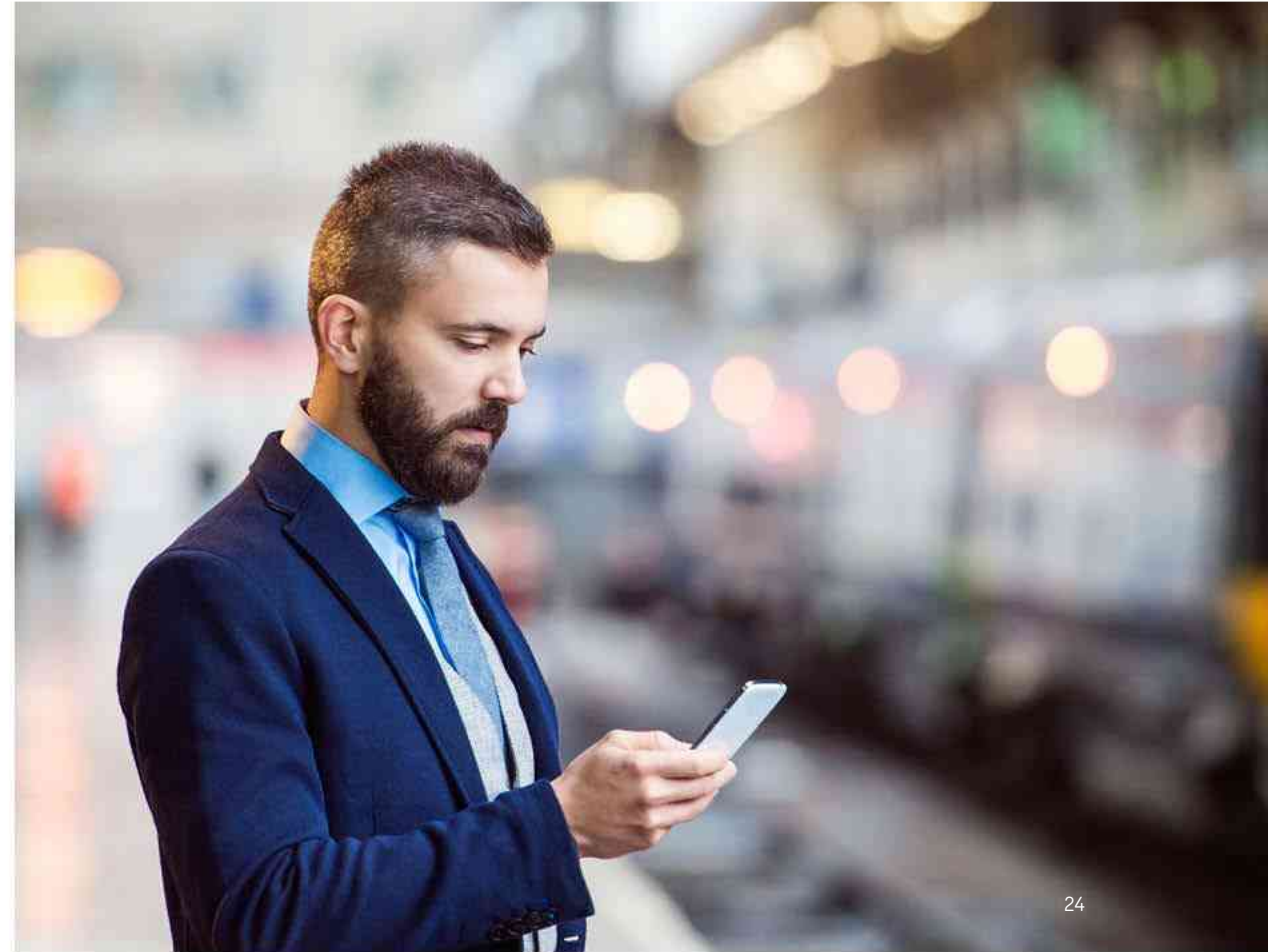


Introducing Sweco

We are providing environmental, economic and engineering appraisal services for the planning and design phases of the M20 Cork to Limerick upgrade. The five-year scheme aims to improve journey times and strengthen economic ties between the two cities.

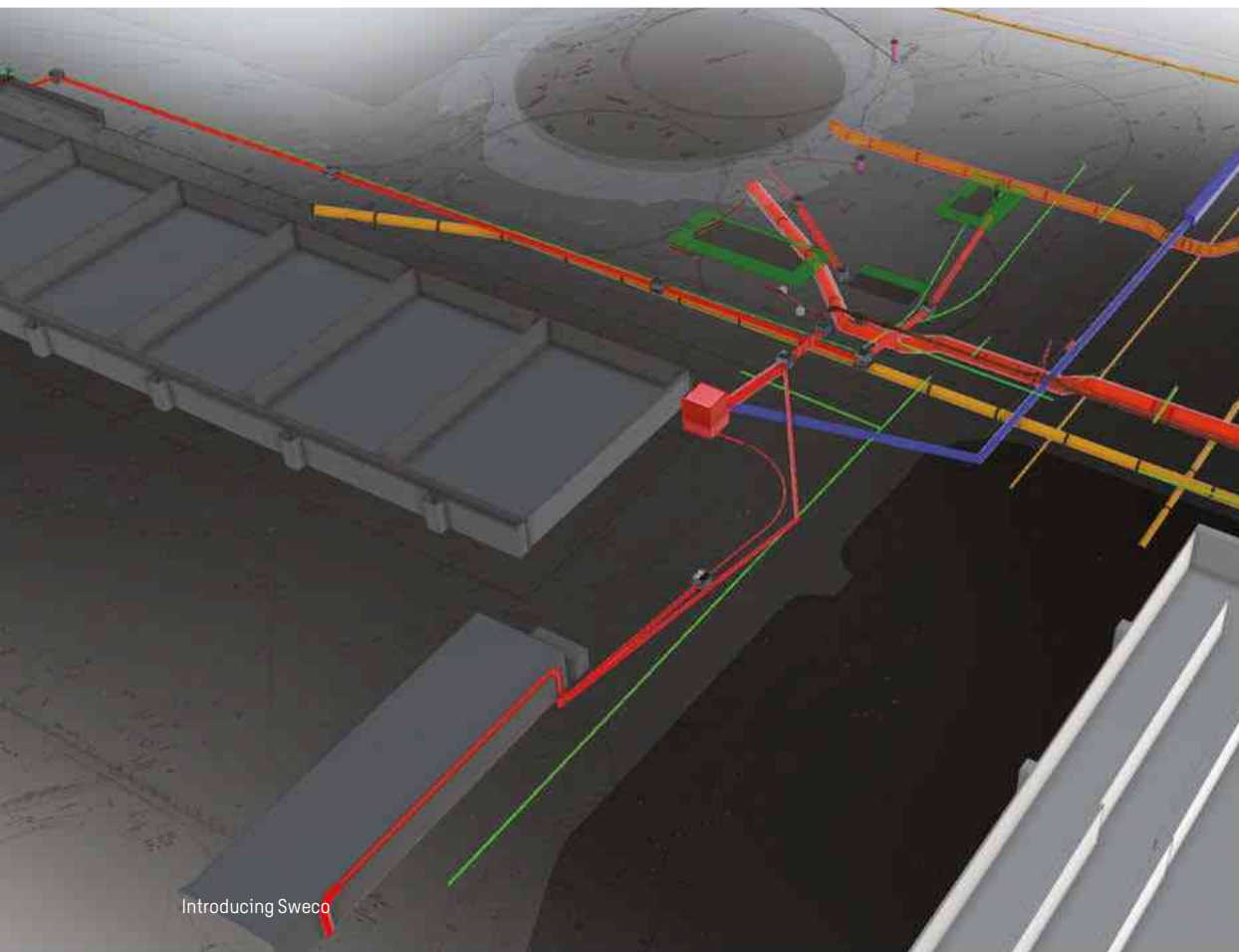
# Station Stopping Strategy, Thameslink Programme

We were commissioned by AMCO and Osbourne to undertake the scoping work and subsequent design to position platform infrastructure, and where necessary lengthen platforms, to suit the new rolling stock at approximately 160 stations.





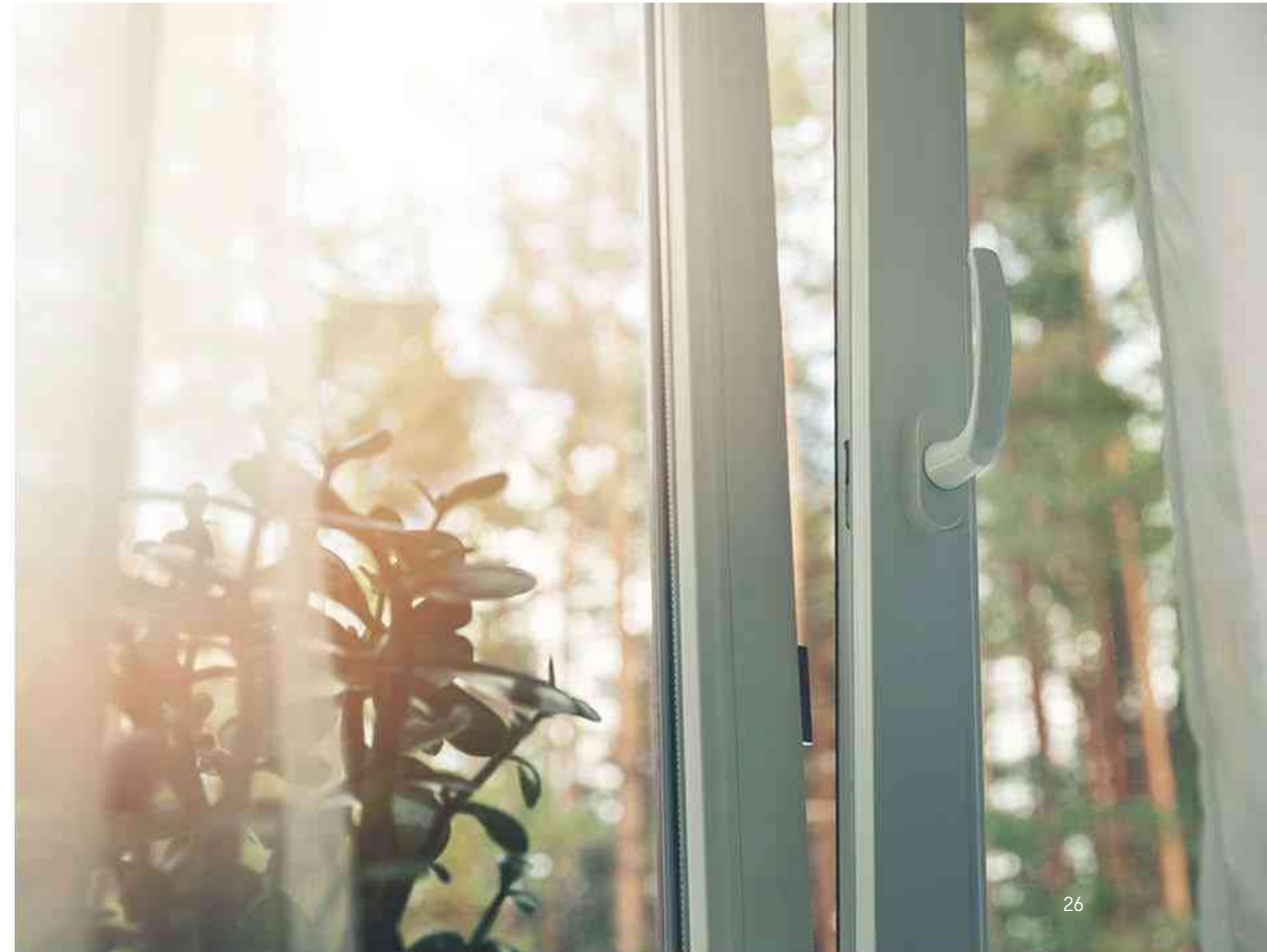
# Digital delivery for the @one Alliance, Anglian Water



Parametric modelling, a technique for automating repeatable work, and 'zero drawings', which use a single digital render, are two of the innovations being demonstrated by Sweco in its delivery of Anglian Water's AMP7 development plan.

# Tyneside Clean Air Zone Feasibility Study

We supported the local authorities in Tyneside in developing a Clean Air Zone feasibility study and management action plan. In doing so, we looked at the impact traffic management measures would have on local businesses and ensured that such measures were not discriminating against any identified vulnerable group.





# British Antarctic Survey (BAS)



Introducing Sweco

Working with BAM Nuttall as their design partner, we are applying cold climate design and low carbon expertise in the delivery of new wharfs in Antarctica including the wharf at Rothera which will berth the new polar vessel, the RRS Sir David Attenborough and the construction of a new research facility, the Discovery Building. Its unique design includes a thermally-efficient envelope to minimise energy use, heat recovery generators and photovoltaic solar panels. It also has a snow and wind deflector – the largest of its kind in Antarctica.

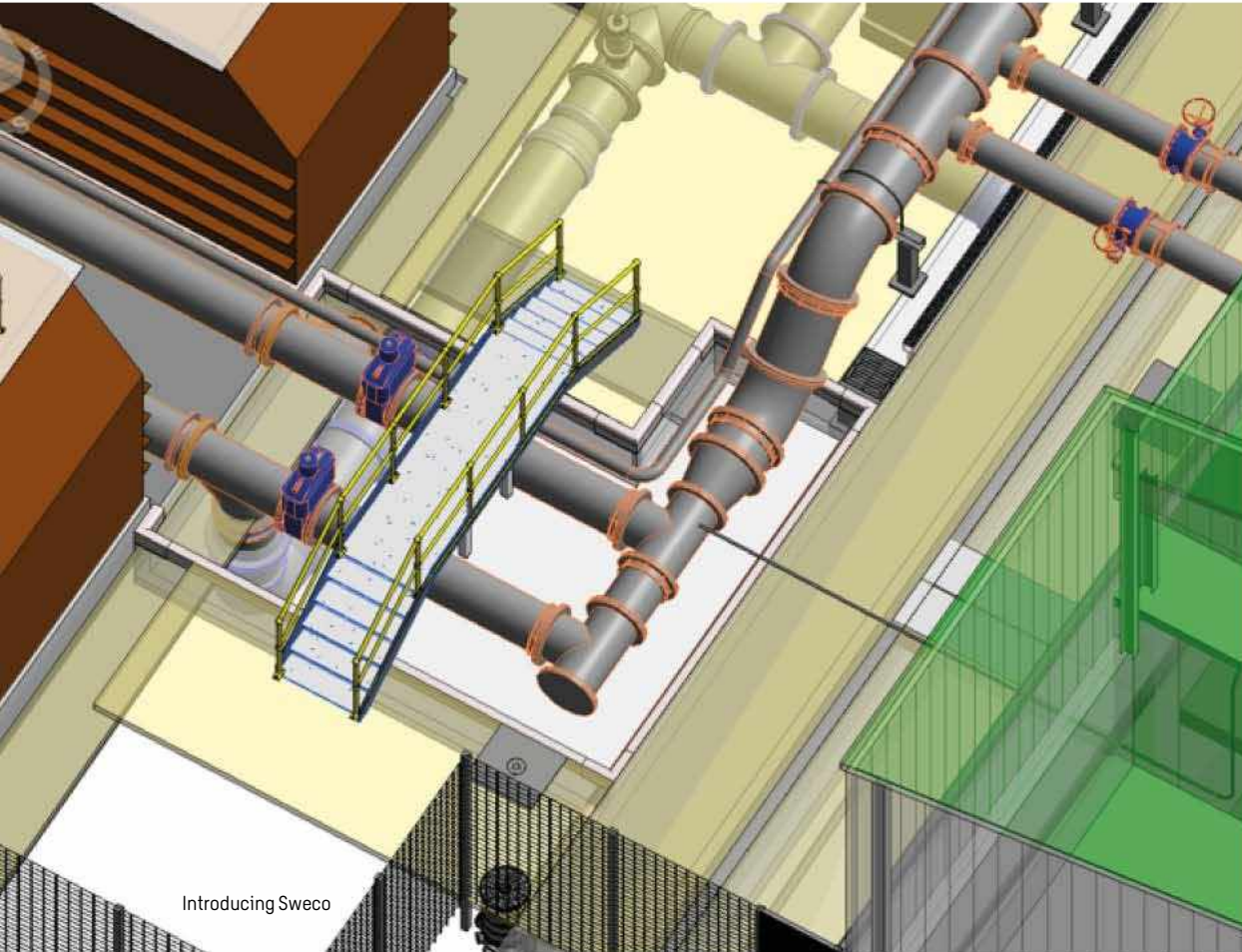
# District Heating Network

Our work on Leeds' new district heating network will ensure surplus waste heat and hot water from the city's new recycling and energy recovery plant will be delivered to public buildings and nearly 2,000 homes.





# Irton Water Treatment Works



Introducing Sweco

Yorkshire Water appointed the Morgan Sindall Sweco Joint Venture (MS2JV) to investigate the installation of pesticide removal and pH correction equipment to achieve effective clarification. Our solution involved innovative processes and construction materials including adsorption vessels and above ground Weholite tanks which delivered £17m in cost savings.

# South Kensington Tube

As part of the proposal to develop three residential blocks and one office block over this busy tube station in central London, our acoustic team is developing solutions to minimise vibrations, station and traffic noise.





# Elizabeth House



As the mechanical, electrical and sustainability consultant for this significant regeneration project, we have drawn on our Nordic expertise to provide a heat-pump driven energy strategy which will share energy between users on-site and significantly reduce usage.

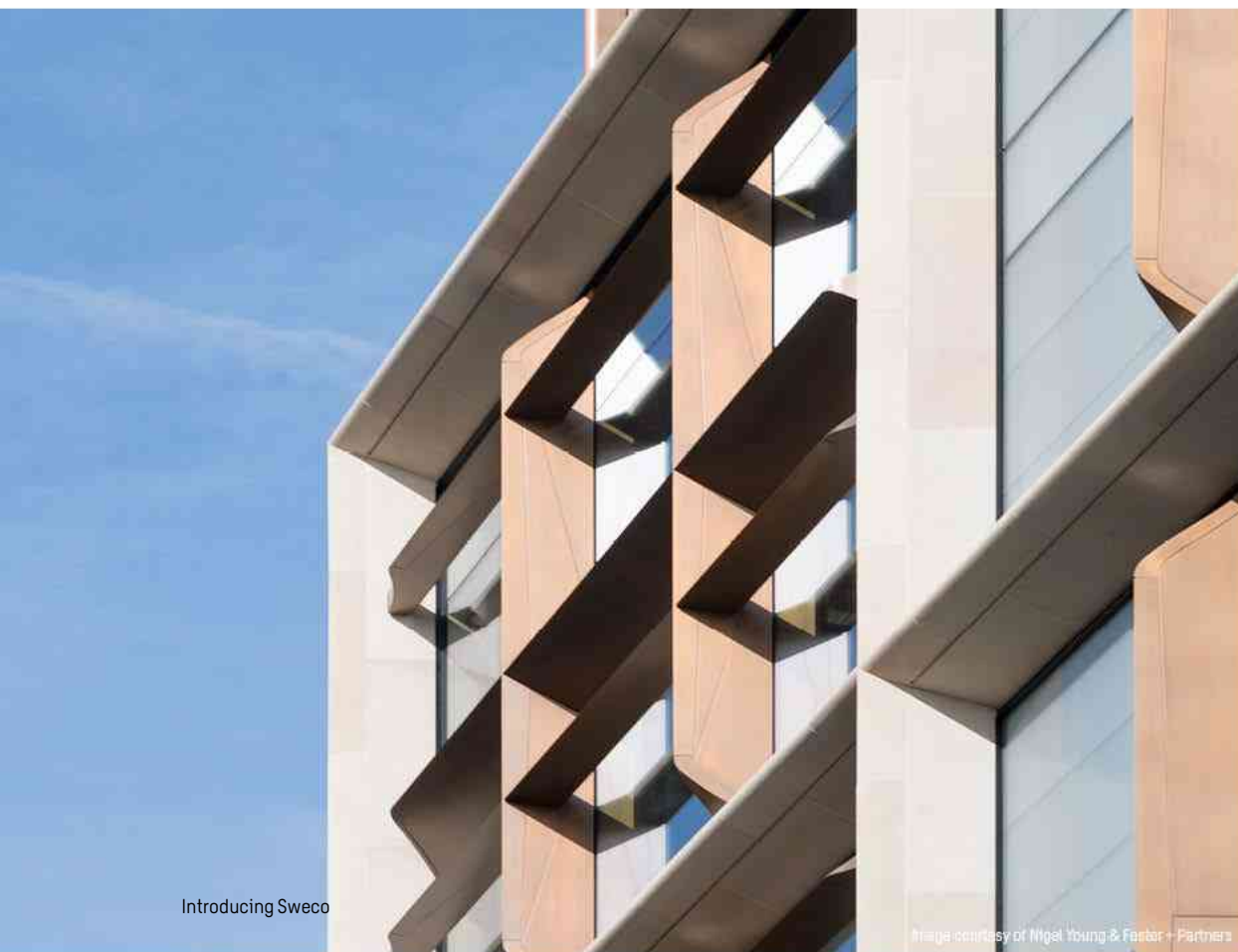
# Cross Tay Link Road

We are providing multi-disciplinary services for phase 2 of the Cross Tay Link Road. This new road, linking the A9 over the River Tay to the A93 and A94 north of Scone will alleviate traffic congestion in the city centre and create capacity in the city's road network to shift to greener modes of travel.





# Bloomberg Building



Introducing Sweco

Image courtesy of Nigel Young & Foster + Partners

Our design input, including the vacuum drainage system (the first on this scale in the UK) and the smart airflow system, contributed to the Bloomberg Building being recognised as the world's highest BREEAM-rated office building.

# Digital EIA

Through the creation of web-based and interactive environmental impact assessments (EIA), we can ensure documentation is accessible to a larger proportion of the population thereby resulting in greater engagement regarding a proposed development.





# Edinburgh St James

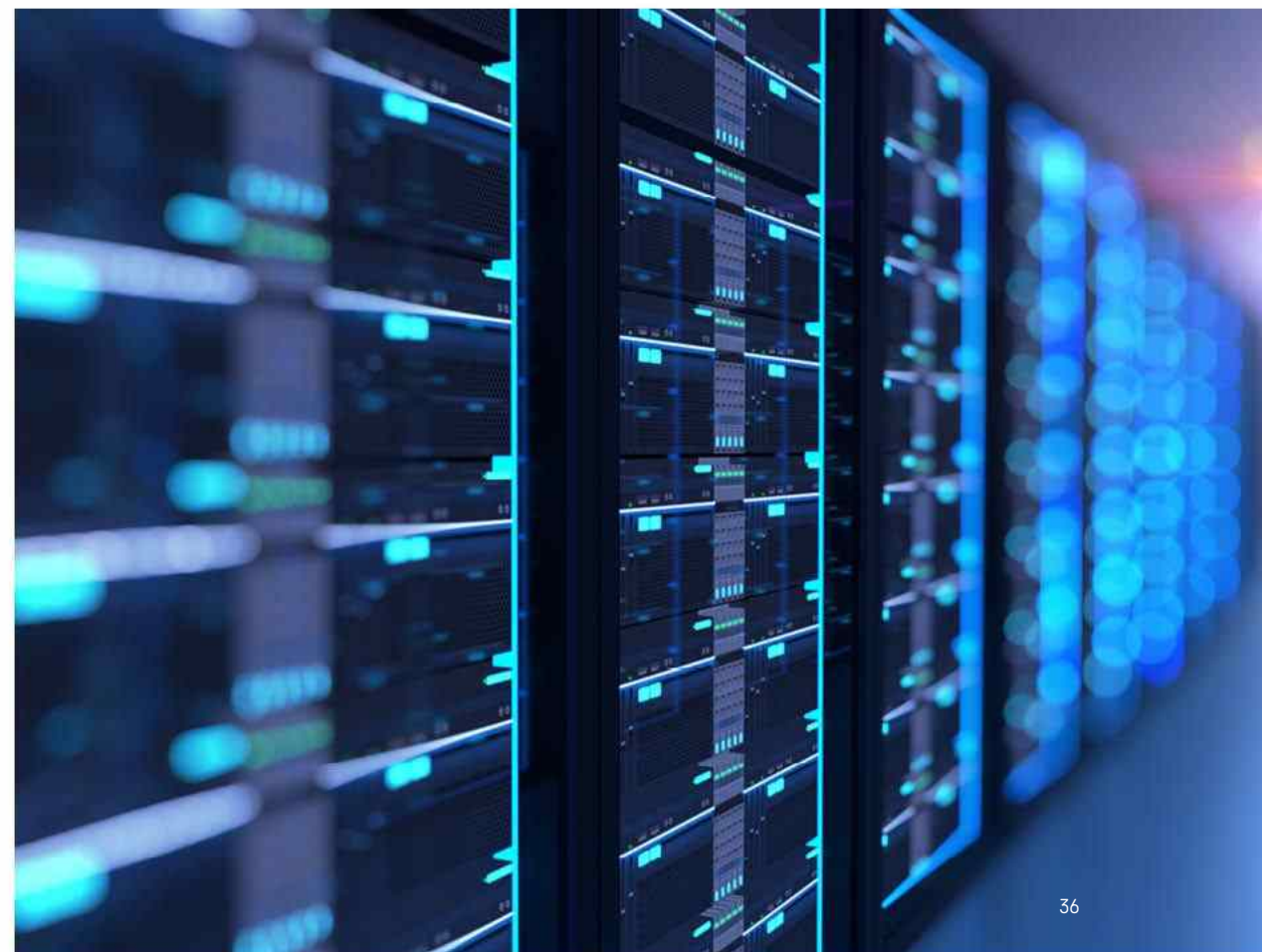


As one of the largest regeneration projects in the UK, we have improved the accessibility of the site for everyone's use and enjoyment. This includes reconstructing intersections, pavements and cycle paths, and making infrastructure improvements for the tram and bus network.

# Data Centres

Working in close collaboration with data centre developers and end-users, we are developing some of the world's largest data centres. Within an increasingly digital world, the demand for data storage and processing has kept the Data Centre market particularly busy.

Our data centre operations are led from the UK, supported by a network of international specialists. In addition to projects across EMEA, we have delivered site acquisition due diligence and masterplanning in Asia and NASA.





# Curious Brewery, Ashford



Regarded as the “modern cathedral of brewing,” we provided multi-disciplinary expertise and worked alongside Guy Hollaway Architects in the design of this complex state of the art brewery. As part of the project, we produced a detailed civil, structural and building services design and delivered building control expertise.

# Shinfield Studios, Reading

We are helping to establish the UK as a global leader in digital creative media through the design and delivery of a 1m sq ft of state-of-the-art creative media complex which will house film and TV studios, workshops and offices.





# Gypsy Park Race



Introducing Sweco

Our landscape architects are delivering distinctive and sustainable places like Gypsy Park Race in Bridlington by applying a unique blend of planning knowledge, technical expertise, visual awareness and artistic flair.

# West Suffolk Hospital

We carried out the due diligence work as part of a site appraisal and helped the Hospital Trust identify a site for the design of this new 100,000m<sup>2</sup> hospital. When it is completed in 2025, it will be one of the most sustainable hospitals in the UK.





It is Sweco's job to be  
one step ahead. The  
results of our work  
become the future  
reality for others.





[www.sweco.co.uk](http://www.sweco.co.uk)

