

Highways are the main arteries of modern society, carrying both people and goods around the clock. Sweco's design and engineering specialists are recognised industry leaders, and are dedicated to maintaining this critical flow.

Our industry-leading highway engineering consultants plan and design everything from major highways and bridges to local network improvements.

Highways engineering

In Employer or Contractor's Designer roles, we operate across several markets including strategic roads, local roads and private developments. Our clients include national government agencies, local authorities, developers and contractors, who we work closely with to understand and deliver their specific needs.

Sweco has the expertise to successfully deliver all aspects of highway engineering in accordance with national and local design standards. Using value engineering, we optimise alignment, earthwork and drainage solutions to provide sustainable cost-effective designs that improve society.

Key expertise

Active Travel

Our experts work with clients and funding organisations to develop safe, sustainable and reliable routes that promote walking, wheeling and cycling to assist modal shift. Community consultation is an integral part of our design process and we have developed digital techniques to increase reach and participation.

Road Safety Consultancy

Our comprehensive understanding of road traffic legislation and engineering standards enables our experts to identify and resolve road safety issues, preventing accidents across local and national road networks. Our road safety auditors are certified to carry out audits across the UK, Ireland and Trans European Road Network.

Intelligent Transport Systems

Our experts support each stage of project lifecycle delivery from options consideration and preliminary design to detailed design, installation, commissioning and handover. We work closely with colleagues across Europe, combining state-of-the-art expertise in the delivery and implementation of intelligent technologies.

BIM for Transport

BIM enables the virtual visualisation and single-source-of-truth sharing of information. Our specialists guide clients in the use of BIM to inform decision making and streamline project processes resulting in efficient data management throughout design, construction, maintenance, operation and demolition stages of delivery.

Pavement Engineering

With ever-increasing volumes of traffic, investment in pavement assets can keep the country moving, help drive economic growth and maintain community connections. We provide expert advice in the investigation, design, assessment and intervention selection for pavement assets incorporating re-used and recycled materials.

RELATED SWECO SOLUTIONS

Bridges & Civil Structures

Clean Air Planning

Contamination Assessment

Development Consent Orders

Development Planning

Ecology

Engagement & Consultation

Environmental Assessment

Flood Risk Assessment

Geotechnical Engineering

Landscape Architecture

Street Lighting

Transport Modelling & Appraisal

Visualisation

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