Alex Veskos

Civil & Traffic Engineer BEng (Hons), MSc, MCIHT

Civil and Transport Engineer with over 10 years of experience across UK consultancies and government authorities, now combining my civil and transport engineering background with web development and data technologies. I founded Traffiq, where I design and develop web-based data solutions to support traffic data collection, analytics and visualisation. I am seeking to further develop my expertise in web and data-driven technologies.

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Education

MSc: 2014
Edinburgh Napier University,
Transport Planning & Engineering
Edinburgh, UK

BEng(Hons) 2011
Alexander Technological Educational Institute of Thessaloniki
Civil Infrastructure Engineer
Thessaloniki, GR

Work Experience

June 2025 -
Traffiq *(traffic data collection & analytics)*
Greece
Founder/Self-Employed

September 2021 – May 2024
Transport for London
London, UK
Position: Engineer (Highways & Traffic)

September 2017 – September 2021
WSP
Exeter, UK
Position: Highway Engineer

June 2020 – October 2020
Devon County Council (Secondment)
Exeter, UK
Position: Highway Engineer

March 2015 – August 2017
Amey plc
Edinburgh, UK
Position: Transport Planner

March 2011 – August 2011
ΕΓΝΑΤΙΑ ΟΔΟΣ Α.Ε.
Thessaloniki
Position: Transport Engineer (Πρακτική)

Software

Microsoft	PowerPlatform, PowerApps
Paramics	Micro-simulation modeling
Saturn	Macro-simulation modeling
TRANSYT	Junction & Signals design
LINSIG	Traffic signals
ProjectWise	BIM Modeling collaboration suite
IcePac	Estimating & Cost Planning
CAD	AutoCAD, Civil3D, KeyLine, PDS Line, KeySign, KeyPost, MX, OpenRoads

Programming Language

VBA for Excel
HTML
CSS
Javascript
Python (scripts to automate software outputs)

Membership

Chartered Institution of Highways & Transportation	MCIHT
Chartered Institute of Civil Engineers	GMICE
Transport Planning Society	Member

Training / Seminars

Carbon Literacy
Health & Safety for Managers and Professionals
Personal Highways Safety (PHS)
IOSH working safely
Introduction to Python for Data Science

Experience:

June 2025 – today, **Traffiq** — Traffic data collection & analytics

Founded and manage Traffiq, a transport and traffic data consultancy specialising in traffic data collection and analytics. Designed and developed the company's web platform using HTML, CSS, JavaScript, and Firebase, implementing user authentication, data upload functionality, and interactive dashboards for visualising traffic data and survey results. Deliver traffic surveys including turning movement counts. Process and analyse large datasets to produce insights to support transport planning, traffic engineering, civil engineering and infrastructure projects.

September 2021 – May 2024, **Transport for London** — Engineer (Highways & Traffic)

Lead Engineer within the Highways & Traffic department, undertaking a key role in delivering Road and Traffic Engineering schemes in the city of London.

Design projects include: [A10 Bishopsgate, CFR23, A2 Deptford, A23 St. Saviours Road, A106 Wick Road, Congestion Charge, ULEZ and more]

- Team Leader/Manager: Led a team of Civil Engineers; responsible for workload distribution, mentorship, and the technical review of all engineering outputs to ensure code compliance.
- Led the delivery of various design schemes from concept to detailed design for different portfolios, including road network, junction transformations, road safety and active travel projects.
- Delegated tasks to CAD technicians, Design Engineers and Graduate Engineers.
- Produced packages for construction and prepared relevant CDM and Health & Safety documentation
- Organising site visits with Sponsor, local officers and other disciplines to inform designs
- Liaised with multiple disciplines (drainage, street lighting, asset operations, utilities, bus network, contractors, ecologists, structural team, technical authorities and Road Safety auditors) and prepared cost estimates BoQs for proposed solutions
- Presented options and technical recommendations to clients.

Core Work / Business Process Improvement team
Responsible for improving and automating internal business processes. Took initiative in improving department's standards by proposing new procedures, particularly around site visit preparation.
Key contributions include:

- Developed a custom desktop and mobile **Risk Assessment** software application using Microsoft PowerApps. The app allows users to log site attendance and assess on-site risks, and is actively used by the Traffic Engineering team. Designed the underlying data structure using SharePoint Lists and implemented JSON-based data processing. Automated the submission workflow to generate PDF risk assessment records and distribute them by email to relevant managers and supervisors.
- Developed VBA-enabled Excel templates automating repetitive tasks and streamlining document-control workflows
- Improved and enhanced a wide range of Excel-based tools, particularly traffic data spreadsheets, through automation, data processing and improved functionality.

September 2017 – September 2021, **WSP / Devon County Council** — Highway Engineer

Highway Engineer within WSP's Highways and Infrastructure sector and Devon's Engineering Design Group (EDG) undertaking a key role in the design of road, infrastructure and highway projects. Responsible for delivering preliminary and detailed designs in line with UK design standards, including DMRB, MCHW, Manual for Streets, and local authority design guides.

A303 Stonehenge – Nationally Significant Infrastructure Project. *AECOM-Mace-WSP*
Client: National Highways
A major scheme to upgrade the A303 trunk road past Stonehenge. – **est. £1.2 billion**

i. Led on the design (Feasibility to Detailed) of the conversion of the existing A303 (14km) through the World Heritage Site (WHS) Stonehenge.
ii. BIM modeling using ProjectWise suite. Prepared BIM models and collaborated with design professionals for integration into the project. Role included the 2D and 3D design (Civil3D and MX) of highways, cycleway routes and accommodation works.
iii. Responsible for preparing DCO plans and the associated documentation prior to submissions to the Planning Inspectorate (PINS). Liaising with the Legal Planning team, National Highways and Wiltshire Council.
iv. Responsible for delegating to and mentoring junior/graduate engineers through design processes and programming of the scheme tasks.

Road Development, Highway Surface Maintenance and Planning Application schemes
Client: National Highways, Plymouth City Council, Devon, Dorset and Somerset County Council
Projects included the design of highways and public realm schemes including cycling and walking infrastructure, carriageway widening, bus priority schemes, road markings and sign posts as well as work package preparation including pre-construction information and specification, liaising with local and central government authorities and road safety auditors.

- Highways Design Lead supervising a team of 3 consultants and the overseas design hub in India.
- Liaised with local and central government authorities, and reporting weekly/monthly progress.
- Presenting options and consulting with relevant stakeholders (National Rail, Bus, Council officers)

Technical design reviews
Responsible for undertaking numerous geometric design reviews of proposed schemes against DMRB, regulations and other UK Highway Design Standards.

Core Work / Process Automation & Business Improvement
Developed and automated numerous Excel-based financial reporting spreadsheets, transforming raw CSV data from the company's project management platform into user-friendly dashboards. Created automated templates allowing users to import raw project expenditure data and instantly generate key financial summaries, budget comparisons and visualisations, including charts.

March 2015 – August 2017, **Amey** Transport Planner

Responsible for the delivery of transport modeling projects to support assessment and design of transportation solutions on behalf of Transport Scotland and National Highways. These projects include a number of Traffic and Economic assessments in line with DMRB and WebTag/STAG using Paramics, PEARS, TRANSYT, LINSIG and SATURN. Trained new graduates and traveled across the country to train early career transport modellers on the Paramics micro-simulation software.

Data Processing & Automation
Developed advanced spreadsheet automations and Python scripts for data processing, cleaning, transformation and format conversion, working with large transport-modeling datasets and converting outputs from Paramics, Vissim, Visum and SATURN micro/macro-simulation software into compatible formats.

March 2011 – August 2011, **Egnatia Odos S.A.** Transport Engineer (Internship)

Internship at Egnatia Odos S.A

- Preparation of Traffic Impact Studies
- Traffic Data collection and analysis
- Management of Special Permits of HGVs (heavy vehicles) using the company's Vehicle Permits Management System (VPMS) software.