

**Civil Engineering**

- Infrastructure Master Planning
- Viability concept designs
- Highway infrastructure & junction designs
- Drainage infrastructure & SuDS design
- Highway improvement schemes
- Vehicle swept path analysis
- CEEQUAL Assessments

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**Geo-Environmental**

- Geo-Environmental Desk Studies
- Coal Mining Risk Assessments
- Intrusive ground investigations
- Soakaway testing
- Remediation strategies & validation
- Earthworks & Materials Management

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**Structures**

- Foundation designs
- Superstructure designs
- Structural building inspections
- Feasibility & value engineering
- Projects to BIM maturity level 2
- Schools, Healthcare & Commercial Buildings

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**Utilities**

- Utilities searches & constraints plans/reports
- Capacity checks, points of connection & reinforcement requirements
- New supply proposals/coordination
- Utility diversion proposals

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**Expert Witness**

- Public inquiries
- Hearings
- Attendance at planning committees
- Environmental Impact Assessments
- Environmental Statement (ES) Chapters

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**Transport**

- Transport statements & assessments
- Travel plans & residential welcome packs
- Site access advice & design
- Off-site highway improvements
- Traffic, speed & parking surveys
- Construction Traffic Management Plans

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**Road Safety**

- Road Safety Audits (stages 1-4)
- Collision Investigation/Reduction Studies & Design
- Road Safety Risk Assessment Process (RRRAP)
- Road Safety Training
- Walking, Cycling & Horse Riding Assessments (WCAHR)

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**Flood Risk & Drainage**

- Flood Risk Assessments
- Drainage strategies
- Assistance with S106 commuted sum issues
- Flood modelling studies
- Flood alleviation & mitigation schemes

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**M-EC Geomatics**

- Topographical Land Surveys
- Measured Building Surveys
- Utility mapping
- Setting out
- 3D laser scanning
- Aerial mapping

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**Street Lighting**

- Lighting surveys & impact assessments
- Adoptable highways lighting design (S38 & S278)
- Street lighting cable calculations

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**M-EC Acoustic Air**

- Noise & vibration assessments
- Air quality & odour assessments

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