



MEC
Consulting Group

CAPABILITIES





About MEC

MEC Consulting Group Ltd is a multidisciplinary engineering and environmental consultancy that provides technical solutions for a broad range of private and public sector projects, including residential, commercial, industrial, retail, leisure, education and healthcare.

Utilising the diverse range of skills, technical expertise and experience throughout the teams, MEC focuses on delivering results and working together to provide innovative, sustainable and cost-effective solutions to support their clients in achieving their goals.



Civil Engineering

- Infrastructure viability/concept design
- Section 278 highway junction design
- Vehicle swept path analysis
- Development infrastructure design
- Earthworks cut and fill analysis
- Section 104/106/98 detailed drainage design



Transport

- Transport Assessments and Statements
- Travel Plan/Travel Plan Co-ordinator role
- Site access advice
- Preliminary highway design
- Road Safety Audits
- Environmental Impact Assessments
- Planning conditions



Flood Risk & Drainage

- Flood Risk Assessments
- Drainage investigations
- Flood modelling
- Flood alleviation and mitigation
- Conceptual drainage design including SuDS
- Planning conditions & Section 106 negotiations



Structures

- Building foundation design
- Building structures design
- Civil engineering structures design
- Structural surveys and assessments
- Temporary works and method statements
- Structural alterations and refurbishment



Geo-Environmental

- Ground investigation services
- Contaminated land appraisal
- Geotechnical design services
- Legacy mining stability assessments
- Materials Management Planning (MMP)
- Remediation strategies, validation & waste classification



Acoustics & Air Quality

- Noise/Vibration surveys and assessments
- Overheating assessments
- Building acoustics design
- Air quality assessments
- Air quality monitoring
- Odour assessments



Utilities

- Capacity assessments
- Diversion assessments
- Constraints plans
- Combined services layouts
- Locating existing utilities
- New connections & disconnections



Geomatics

- Topographical surveys
- Measured Building Surveys
- Underground utilities mapping
- Engineering surveys
- Drone/Aerial mapping
- 3D Laser Scanning



Lighting

- Lighting Impact Assessments
- Environmental Impact Assessments
- Ecology lighting strategies
- Daylight/Sunlight & Overshadowing Assessments
- Private lighting designs
- Section 38 & Section 278 Street Lighting Designs



Expert Witness

- Public Inquiries
- Hearings
- Attendance at planning committees
- Environmental Impact Assessments
- Environmental Statements (ES) Chapters



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