

Multidisciplinary Environmental & Engineering Support

De-Risking Developments



Feasibility

01

- Initial Geo-Environmental Appraisal
- Gap Analysis
- Opportunities
- Constraints
- Regulatory Liaison
- Site Reconnaissance



Site Conditions

02

- Phase 1 Contaminated Land Assessment
- Preliminary Ecological Appraisal & INNS
- Geotechnical Desk Study
- Coal Mining Risk Assessment



Site Survey

03

- Ground Investigation
- Phase 2 Contaminated Land Assessment
- Geotechnical Assessment
- Ecological Surveys
- Hydrological Surveys
- Archaeological Surveys
- Topographical & Utility Surveys



Design Input

04

- Resource Efficiency
- Remediation Design
- Geotechnical Design
- Biodiversity Assessments
- Ecological Mitigation
- Stakeholder Liaison
- Regulatory Authorisation



Development Support

05

- Masterplan Optimisation
- Technical Reports
- Input to Detailed Design
- Public Consultation
- EIAR



Approval

06

- Support During Determination
- Abnormals
- BoQ & Specifications
- Attendance at Enquiry
- Condition Purification



Construction Support

07

- Compliance with Licences and Consents
- Noise and vibration
- Environmental / Ecological Management Plans
- Material Management and re-use
- Temporary works
- Remediation
- EnCoW/ECOW



Tips for minimising development risks

DE-RISKING DEVELOPMENT SERIES

PART 1 OF 4



Feasibility

1 Determine the nature of the site – is it brownfield or greenfield?

2 Complete a site reconnaissance.

3 Determine the constraints, for example, contaminated land, coal mining area, ecological constraints etc.

4 Early engagement to carry out preliminary surveys to identify potential constraints.

5 Complete a GAP analysis.

6 Engage with stakeholders and regulators to ensure there is a collaborative approach to the project.



Site
Conditions



Tips for minimising development risks

DE-RISKING DEVELOPMENT SERIES

PART 2 OF 4



Site
Survey
&
Ground
Conditions

- 1** Establish a thorough understanding of the proposed development and assess how this interacts with the site legacy.
- 2** Develop a targeted investigation strategy to obtain key environmental and geotechnical data for use in design and analysis.
- 3** Maximise the investigation outputs to ensure best value for money while gathering information to understand and control ground based risks.
- 4** Develop a robust engineering assessment of the site.
- 5** Engage with a geotechnical engineering team that can provide technical support throughout the project to ensure risks are continually assessed.



Tips for minimising development risks

DE-RISKING DEVELOPMENT SERIES

PART 3 OF 4



Design
Input

1 Revisit output from the Feasibility Stage – Gap Analysis, Constraints and Opportunities and re-assess based on new Site Surveys/Conditions Assessments.

2 Work with the Client and Design Team to optimise the masterplan and understand the need for additional assessments.

3 Identify critical paths for the development programme.

4 Identify need/opportunity for early engagement with regulators and other stakeholders.

5 Undertake additional assessments, produce technical documents in support of the planning application, provide input to the detailed design and support the EIA process, where required.



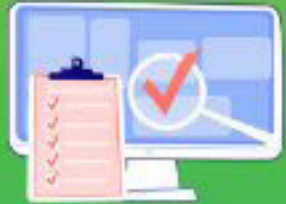
Development
Support



Tips for minimising development risks

DE-RISKING DEVELOPMENT SERIES

PART 4 OF 4



Approval

1 Ensure the project understands and can implement all the licensing and regulatory compliance requirements/commitments.

2 Ensure all Environmental Management Plans and documents are produced and submitted as per any regulatory or project requirements.

3 Early identification of material re-use opportunities and the development of a material management plan.

4 Assess environmental regulatory compliance requirements for temporary works designs.

5 EnCoW and ECOW support – to ensure that the works remain compliant with the relevant environmental and ecological legislation and the Project remains legally compliant through the construction phase.



Construction
Support

YOUR DEVELOPMENT TEAM



Gillian Gow
Lead Environmental
Associate
gilliang@ikmconsulting.co.uk



Amber Bush
Environmental
Associate
amber@ikmconsulting.co.uk



Neil Chalmers
Principal
Contaminated Land
neil@ikmconsulting.co.uk



Chris Torbet
Principal
Geotechnical
chris@ikmconsulting.co.uk

Contact Us

info@ikmconsulting.co.uk

+44 1324 878 822