



Services list

Archaeological services

- Risk appraisals
- Heritage statements
- Desk-based archaeology assessments
- Historic building surveys
- Geophysical surveys
- Environmental impact assessments
- Site investigations
- Mitigation strategies
- Post-excavation analyses
- Publications and presentations

Built environment

- Optimisation of building fabric performance on new and existing buildings (heat, air, acoustic and moisture flows)
- Building regulation compliance
 - Conservation of heat and power
 - Ventilation
 - Control of condensation
- Energy/CO₂ modelling for residential (SAP) and commercial (SBEM) buildings
- Energy Performance Certificates (EPCs)
- Display Energy Certificates (DECs)
- Testing
 - Air leakage
 - Infrared thermography
 - Acoustic (environmental, airborne and impact sound)
 - Temperature and humidity monitoring
 - In situ U value measurement
- Investigation of building fabric failure
- Expert witness services
- Sunlight, daylight and overshadowing assessment
- Lighting impact assessment
- Home Quality Mark (HQM)
- Leadership in Energy and Environmental Design (LEED)
- CEEQUAL

- Overheating Assessment (CIBSE TM52 compliant)
- Energy and sustainability strategy

Building technology

- Airtightness and sound insulation testing
- Assessment of fire and blast damage
- Building acoustics and vibration control
- Deleterious materials surveys and assessments
- Slip resistance of floors and external paving
- Stone and slate technology
- Thermal insulation surveys and advice
- Construction materials evaluation and quality control and quality assurance testing
- Steelwork fabrication, weld and paint inspection

Business solutions

- Bespoke software development and support
- Commercial off-the-shelf solutions: customer relationship management (CRM), online time sheets
- Data entry and data capture solutions
- Offshore IT development services
- Business process outsourcing (BPO)
- IT systems implementation and support
- Project management
- Training and consultancy services
- Project risk modelling
- Information and communications technology (ICT) management
- Railway risk management

Carbon and sustainability

- Sustainability assessment and strategy
- Sustainability statements for planning
- Sustainability expert witness services
- Code for Sustainable Homes assessments
- BREEAM (including Accredited Professionals, AP) assessments

- Low/zero carbon energy feasibility
- CIBSE low carbon consultancy
- Energy/carbon audits
- Mandatory carbon reporting
- Carbon footprinting for organisations, products and events
- Carbon management
- Climate change mitigation
- Climate change adaptation
- Training
- Workshop facilitation
- Energy Savings Opportunity Scheme (ESOS)
- CRC Energy Efficiency Scheme

Civil and structural engineering

- Pre-purchase infrastructure and engineering assessments for land acquisition
- Drainage design and sustainable drainage systems
- Flood risk assessment and alleviation
- Highways design
- Structural design and foundation engineering
- Structural investigation consultancy
- Demolition management
- Digital ground modelling and earthworks specifications
- Negotiations for the supply of services to development sites

Communication and technical editing

- Communication consultancy
- Branding and marketing
- Technical journalism
- Marketing communications
- Creative design
- Multimedia
- Video production
- Web design and content
- Print and digital publishing

For further information, visit www.rsk.co.uk or email us at communications@rsk.co.uk

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- Exhibition design
- Advertising
- Media relations
- Stakeholder communications
- Business communications
- Speech writing
- Editing
- Proofreading

Contaminated land and brownfield redevelopment

- Strategic advice encompassing all elements of brownfield regeneration
- Site investigation and assessment, including quantitative risk assessment
- Remediation options appraisals and design
- Remediation cost-benefit analysis
- Sustainable brownfield regeneration
- Turnkey remediation contracting
- Production of land condition records (LCR)
- Site investigation contracting
- Drilling services
- Soil, rock and materials laboratory testing
- Contaminated soil management
- Monitoring of polluted ground and groundwater

Corporate environmental management

- Environmental management systems development and implementation (ISO 14001)
- Aspect and impact assessments
- Legal and compliance assistance
- Due diligence
- Environmental auditing and reporting
- Supply chain assessments
- Waste minimisation and management

Development solutions

Land appraisal

- Utility searches
- Foundation options

- Remediation options
- Drainage strategies
- Site logistics
- Demolition advice
- Constraints plans
- Analysis of strengths, weaknesses, opportunities and threats, and hazard identification
- Land use
- Technical reports

Conceptual design

- Space and efficiency overviews
- Advice on site-specific components
- Analysis of construction methods
- Value engineering
- Internal layout considerations
- Sustainability awareness and design
- Code for Sustainable Homes and BREEAM pre-assessment, and pre-planning meetings

Planning support

- Design team meetings
- Community engagement
- Public exhibitions
- Appointment of consultants
- Coordination of project consultants
- Project lead in programmes
- Comprehensive environmental impact assessment support
- Civil and structural engineering, including flood risk assessment and sustainable drainage system reviews

Design/tender process

- Construction design and management (CDM) consultancy
- Design programmes
- Coordination of project consultants
- Timely issue of design packages
- Assessment of contractor competence
- Evaluation of tender documentation
- Service applications and/or disconnections
- Detailed design of remediation and civil and structural engineering

Site start

- Building Regulations, sections 38 and 104 approval
- Pre-contract meetings
- Site supervision and watching briefs
- Discharge of planning consents
- Construction environmental management plans
- Public relations and liaison with statutory bodies and stakeholders

Ecological services

- Ecological surveys
- Protected species surveys
- Invertebrate surveys
- Botanical surveys
- Invasive plant surveys
- Protected species licensing
- Ecological mitigation and habitat enhancement
- Ecological input to Code for Sustainable Homes and BREEAM assessments
- Conservation management plans
- Ecological impact assessments
- Ecological site supervision
- Specialist ecological survey techniques, e.g., tree climbing inspections, entry into confined spaces and radio tracking
- Ecological geographic information systems
- Arboricultural services

Environmental health and safety training

- Full range of environmental, health and safety training and facilitation programmes
- Introductory level to advanced training courses
- Courses accredited and internationally recognised by IEMA, IRCA, IOSH and NEBOSH
- Standard solutions for public and in-house delivery
- Bespoke solutions for in-house delivery
- Experienced and practical tutors

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Environmental and social impact and design services

Environmental impact and design services

- Archaeology and cultural heritage assessments
- Ecological mitigation and habitat enhancement
- Feasibility studies
- Scoping studies
- Strategic environmental assessments
- Environmental impact assessments
- Landscape design and masterplanning
- Environmental consents and planning applications
- Environmental site supervision
- Geographic information systems
- Marine (biological, geological, geophysical and geotechnical) services
- Pre- and post-application consultations
- Aerial survey and mapping
- Air quality and climate assessment modelling
- Noise and vibration surveys and assessments
- Environmental site supervision and pollution monitoring
- Landscape and visual impact assessments
- Landscape design and management

Social baseline studies

- Human rights impact studies
- Natural resource use studies
- Indigenous people studies
- Intangible cultural heritage studies
- Ecosystem services impacts studies

Social management plans

- Social mitigation plans
- Social monitoring plans
- Resettlement action plans
- Influx management plans
- Community development plans and livelihood restoration plans
- Local recruitment plans
- Indigenous people plans

Corporate responsibility plans and programmes (social aspects)

Stakeholder engagement plans

Social due diligence assessment

Environmental monitoring and data services

- Monitoring in accordance with Environmental Permitting Regulations
- Secure, traceable and expedient delivery of audited data
- Gas, water and leachate sampling
- PM₁₀ metals, polycyclic aromatic hydrocarbons and dust measurement
- Installation and operation of fixed dust gauges
- Design and implementation of flame- and photoionisation and flux surveys
- Assessment of fugitive emissions: low concentration hydrogen sulphide
- Trace volatile organic compound sampling and analysis (thermal desorption)
- Gas source investigation – stable carbon isotope (¹²C:¹³C) measurement
- Data qualification and presentation: GIS plots, compliance notification reports and web interfaces

Geomatics and aerial surveys

- High-resolution imaging, Lidar, 3D scanning, multispectral imaging and high-definition video
- Unmanned aerial vehicle (UAV), helicopter and fixed-wing services
- Aerial surveys, inspection and mapping for
 - Power lines
 - Pipelines
 - Rail- and tramways
 - Roads and highways
 - Telecommunications
 - Coasts and waterways
 - Off- and onshore wind farms
 - Environmental monitoring
- Marketing and public relations images and videos
- 3D visualisation and augmented reality

- Geographic information systems
- Aerial surveillance: pipeline patrols
- Annual aerial integrity surveys
- UAV training
- UAV surveys and inspections
- Bespoke UAV system design-and-build services
- ViSiVi
 - Key constraint analyses
 - Environmental impact assessment production
 - Pre-construction baseline surveys
 - Construction bidder packages
 - Counter-evidence claims for compensation
 - Population density surveys
 - TD1 surveys
 - Emergency response
 - Environmental impact studies

Ground engineering

- Earthworks and slope engineering
- Geophysical surveys including ground-penetrating radar
- Geotechnical consultancy and design
- 2D and 3D ground deformation modelling
- Soil-structure instrumentation and monitoring
- Seismic risk assessment and design
- Value engineering/temporary works design

Health and safety

- Policy (management system) development and implementation
- Occupational health services
- Occupational hygiene
- Hazard identification and risk management
- Construction design and management (CDM) consultancy
- Control of contractor safety (supply chain management)
- Compliance audits, surveys and inspections
- Asbestos risk assessment and management (site surveys, supervision and clearance testing)

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- Competent body support and advisory service
- Legionella risk assessment and management
- Emergency and business recovery planning
- Multidisciplinary construction and railway construction environmental, health and safety support
- Accident and incident investigation
- Employee competency management

Heritage materials and structures

On-site

- Designated non-destructive testing and/or materials sampling of historic buildings and sensitive sites
- UKAS-accredited site sampling teams
- Professional investigation and testing services
- Rope-access techniques for difficult access situations

Material fabric assessments

- Visual surveys by specialist inspectors
- Non-destructive testing
- Boroscope surveys
- Dye testing for identification of surface cracking
- Petrographic examinations of constituent materials
- Chemical analysis for deleterious materials
- Monitoring of deterioration mechanisms
- Conservation materials evaluation and matching
- Investigations of historic building materials, including stone, slate, brick, mortar, concrete, terracotta, plaster, render, paint and timber

Laboratory techniques

- Microscopy
- Photospectrometry
- Wet chemical analysis

- Scanning electron microscopy and microanalysis
- X-ray diffraction
- X-ray fluorescence analysis
- Infrared analysis
- Gas chromatography
- Thermal analysis
- Laser ion mass surface analysis

Laboratory services

- UKAS-accredited soils testing to ISO 17025
- UKAS-accredited organic and inorganic laboratory analysis
- UKAS-accredited asbestos sample analysis
- MCERTS accreditation
- Supply of sampling media and equipment
- Technical support
- Expert witness
- Shrinkability and classification of soils
- Compaction and shear strength testing
- Effective stress, large and small shear box and ring shear test facilities
- Rock testing

Nuclear services

- Permitting, licensing (safety case) and technical support for existing and new construction sites
- Radiological and health physics (technical and field support)
- Waste (radiological and non-radiological) management
- Contaminated land (radiological and non-radiological) assessment
- Remediation design and project management services
- Decommissioning project management
- Environmental, health and safety: monitoring, construction design and management (CDM), training, management systems
- Ecology support
- Due diligence
- Stakeholder support

- Intrusive drilling services
- Laboratory analysis on samples radiologically cleared from site

Permitting

- Permitting applications for installations, mobile plant, surface and ground discharges and waste operations
- Air quality and emission impact assessments
- Definition of best available techniques (BAT)
- Compliance auditing
- Greenhouse gas and EUETS services
- COMAH safety report

Transport planning

- Transport assessments and statements
- Travel plans
- Feasibility appraisals
- Car parking assessment
- Swept path analysis

Waste management

- Resource efficiency audits
- Duty of care assessment/compliance
- Environmental Permitting Regulations permitting and exemptions
- Work management strategies

Water services

Drinking water and waste water infrastructure management

- Modelling and performance assessment
- Operational management and maintenance planning
- Infrastructure development

Flooding

- Flood risk assessment
- Strategic flood risk assessment
- Flood planning and emergency response
- River modelling and topographical survey

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Water resources

- Hydrological assessments and catchment analyses
- Low-flow studies
- Hydrogeological assessments
- Supply demand planning
- Capacity and resource management

Water quality

- Water quality assessments
- Potable and waste-water treatment process support
- Monitoring and analysis

Asset management

- Investment planning and delivery
- Strategic risk assessments
- Strategy development
- Data acquisition and analysis
- Asset condition surveys

Water Framework Directive

- Economic modelling and evaluation
- Environmental impact assessments

Long-term monitoring

- Surface and groundwater monitoring
- Telemetry
- Sampling network design and installation
- Data retrieval, processing and analysis

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