Services list

Archaeology
- 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 (EPC)
- Display Energy Certificates (DEC)
- Testing
  - Air leakage
  - Infrared thermography
  - Acoustic (environmental, airborne and impact sound)
  - Temperature and humidity monitoring
  - In situ U value measurements
- Investigation of building fabric failures
- Expert witness services
- Sunlight, daylight and overshadowing assessments
- Lighting impact assessments
- Home Quality Mark (HQM)

Leadership in Energy and Environmental Design (LEED)
- CEEQUAL
- Overheating assessments (CIBSE TMS2 compliant)
- Energy and sustainability strategy

Building technology
- Airtightness and sound insulation testing
- Assessments 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 inspections

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 assessments and strategies
- Sustainability statements for planning
- Sustainability expert witness services
- Code for Sustainable Homes assessments
- BREEAM, including accredited professionals, (AP), assessments
- Low- and zero-carbon energy feasibility
- CIBSE low carbon consultancy
- Energy and 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 assessments 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

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
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
- Exhibition design
- Advertising
- Media relations
- Stakeholder communications
- Sustainability reporting
- Business communications
- Speech writing
- Editing
- Proofreading

Contaminated land and brownfield redevelopment
- Strategic advice encompassing all elements of brownfield regeneration
- Site investigations and assessments, including quantitative risk assessments
- Remediation options appraisals and design
- Remediation cost–benefit analyses
- 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

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

Ecology
- 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

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
Specialist ecological survey techniques, e.g., tree climbing inspections, entry into confined spaces and radio tracking
Ecological geographic information systems
Arboricultural services

Habitat management
- Habitat creation and restoration, including aquatic and terrestrial habitats
- Habitat translocation, including aquatic and terrestrial habitats
- Soft landscaping, including ground preparation
- Ecological mitigation measures, including artificial habitat creation
- Invasive species treatment and management
- Tree, vegetation and scrub clearance using hand tools
- Mechanical tree, vegetation and scrub clearance
- Wildlife fencing for newts, reptiles, badgers, otters and water voles
- Landscape management and maintenance
- Agricultural fencing, including demarcation, stock, post and rail fencing, and field gates

Environmental and social impact and design

Environmental impact and design
- 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
- Natural resource use
- Indigenous people
- Intangible cultural heritage
- Ecosystem services impacts

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

Corporate responsibility plans and programmes (social aspects)
Stakeholder engagement plans
Social due diligence assessments

Environmental monitoring and data
- Monitoring in accordance with Environmental Permitting Regulations
- Secure, traceable and expedient delivery of audited data
- Gas, water and leachate sampling
- PM$_{10}$, metals, polycyclic aromatic hydrocarbons and dust measurements
- Installation and operation of fixed dust gauges
- Design and implementation of flame- and photoionisation and flux surveys
- Assessments of fugitive emissions: low concentration hydrogen sulphide
- Trace volatile organic compound sampling and analysis (thermal desorption)
- Gas source investigation – stable carbon isotope ($^{12}$C:{$^{13}$C}) 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
- 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

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
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

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 analyses 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

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
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 audits
- Greenhouse gas and EUETS services
- COMAH safety report

Rural and agriculture

Arboriculture
- Advice in relation to tree preservation orders and trees within local authority conservation areas
- Advice on tree pests and diseases
- BS 5837 surveys
- Development of bespoke tree management and data collection software
- Forestry management
- Legal advice
- New woodland designs and tree planting specifications
- Thinning control, timber measurement and marketing
- Tree and woodland valuations
- Tree risk surveys and policy advice
- Tree work to BS 3998
- Utility vegetation management
- Vegetation mapping and modelling
- Woodland grant scheme applications

Crop nutrition
- Controlled-release fertilisers, liquid feeding and foliar feeding; soil and substrate media
- Diagnosis of nutrient-related crop disorders
- Grower advice on legislative requirements
- Improving macro- and micronutrient use efficiency
- Improving the use of organic material nutrients
- Innovation in fertiliser use efficiency
- Integrated use of organic materials and manufactured fertilisers

Crop physiology
- Canopy management
- Crop yield potential
- Evaluations of the physiological effects of agrochemicals
- Exploiting biofuel feedstocks for livestock feed
- Fertiliser recommendations
- Identification of crop traits for maximising yield and quality
- Identification of phytochemicals for use in medicines, personal care, nutrition and plant protection
- Linking industry with academia through collaborative projects
- Peer-reviewed scientific papers
- Precision farming
- Rooting measurements in field and controlled environments
- Triticale production
- Understanding lodging and control methods

Crop protection
- Disease management
  - Agronomy support
  - Controlled-environment studies
  - Glasshouse and small compartment studies
  - Laboratory studies and experiments
  - Model development and disease forecasting
  - National surveys
  - ORETO field trials (efficacy)
  - Disease diagnosis
  - Resistance management
  - Soil-borne diseases
  - Strategic project management
  - Pest management and entomology
  - Pest identification, monitoring and forecasting
  - Project development, management and delivery
  - Research and consultancy on improved methods for pest management
  - Weed management
  - Conservation of rare arable weeds
  - Contract trials: field, outdoor pot and glasshouse
  - Data interpretation and statistical analyses
  - Desk studies, including literature or economic reviews
  - Detailed understanding of weed biology and ecology
  - Herbicide resistance testing
  - In-house facilities for field, glasshouse and polytunnel trials
  - Integrated and cultural control and management
  - Non-chemical and organic weed control
  - Resistance management
  - Weed identification

EU Protected Food Names (PFN) scheme
- Identification and evaluation of products
- Collection and collation of data
- Management relationships between producer groups and Defra
- Management of applications through national consultations
- Submission of EU applications

Expert witness
- Agriculture
- Air quality
- Archaeology
- Ecology
- Environment
- Equestrian
- Food
- Health and safety
- Horticulture
- Soil and land drainage
- Town and country planning
- Waste management

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
Grassland and forage
- Agri-environment schemes and biodiversity
- Conservation grazing and grassland habitat restoration
- Fertiliser advice
- Grass and/or forage analyses and ration advice
- Grass, maize and forage diseases and disease control
- Grassland monitoring and evaluation
- Herbicide advice
- Organic grass and forage management
- Soil and nutrient management
- Upland and lowland production
- Weed and pest management

Greenhouse gases
- Calculating greenhouse gas emissions from crops
- Gas chromatography analysis techniques
- Livestock greenhouse gas reduction and mitigation
- Maximising nitrogen use efficiency in crop production systems
- Maximising production efficiency to minimise methane and nitrous oxide emissions from livestock systems
- Measuring nitrous oxide, methane and carbon dioxide emissions from field experiments
- Modelling and data interpretation
- Use of nitrification inhibitors to reduce nitrous oxide emissions from applications of manufactured nitrogen fertiliser and organic materials

Horticulture
- Auditing
- Crop nutrient and physiological disorder diagnosis
- Crop nutrition
- Crop productivity
- Crop protection, including chemical, non-chemical and biological control

Environmental manipulation of product quality
- Growing media expertise
- Growing system and post-harvest technology
- Irrigation technology
- Legal work
- Pest and disease diagnosis
- Product development
- Project management
- Protected cropping and energy
- Soil-borne diseases
- Variety selection
- Water harvesting
- Technology transfer and training for farmers, growers, suppliers and consultants

Land management
- Agricultural land classification
- Biodiversity offsetting
- Ecological mitigation and compensation
- Ecology
- EIAs
- Habitat creation and management
- Planning and licensing support
- Sustainable land management

Landscape
- Green belt assessments and reviews
- Green infrastructure studies and landscape research
- Design
- Management and strategies
- Planning, assessments and appraisals
- SuDS design

Livestock health and management
- Animal health and welfare evaluation at farm level
- Animal nutrition
-Benchmarking to improve stock health and welfare
- Business review and business management
- Design and monitoring of on-farm animal health studies
- Feasibility studies
- Grassland and forage production
- Knowledge transfer to key stakeholders and farmers
- Livestock health research
- Livestock husbandry
- Market research
- Nutrient planning and correct use of farmyard manure
- Overseas animal health and welfare compliance assessments
- Policy evaluation, for example, impact of changes in legislation and advice to governments
- Research and development: on-farm trials
- Resource management
- Waste reduction

Molecular diagnostics
- Biomarker discovery
- eDNA assay development for detection of protected, at risk or invasive species
- Immunoassay development (ELISA, Western blot)
- Molecular biology techniques, including PCR and rtPCR
- Monoclonal antibody isolation
- Next-generation phage display
- Phage display methods for peptide/antibody isolation
- Prion diseases or transmissible spongiform encephalopathies (TSE) of livestock: dissemination, environmental fate, strain typing, pre-mortem diagnostics and in-vitro replication

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.
On-farm advice
- Agri-environment scheme applications and management advice
- Arable and grassland agronomy
- Benchmarking technical and financial monitoring
- Expert opinion and legal expert witness
- Farm business consultancy, business plans and reviews, cash-flow forecasts
- Farm diversification, feasibility studies, investment appraisals, grant applications
- Farm infrastructure design, slurry, manure systems and pesticide facilities design
- Farm-scale anaerobic digestion advice
- Group training, mentoring and facilitation of knowledge transfer programmes
- Livestock performance and management
- Nutrient management
- Nutrient planning and effective use of manure
- Professional services, planning appraisals, EIAs
- Regulation and compliance: nitrate vulnerable zones, cross compliance, greening and Sludge, Slurry and Agricultural Fuel Oil (SSAFO)
- Soil and water management, drainage, flood risk and irrigation
- Supply chain, resource efficiency

Soil
- Agricultural and ecological benefit statements for land reclamation and restoration projects
- Agricultural land classification
- Applied research
- Contaminated land assessments (Phase 1)
- Land drainage
- Land restoration and remediation
- Land valuation and rent reviews
- Site risk assessments for spreading organic materials
- Soil manufacture
- Soil resource survey and strategic land assessments
- Soil storage and management
- Strategic advice

Wayleaves
- Compensation claim assessment and negotiation
- Consultations with relevant statutory bodies
- Facilitation with landowners, their agents and contractors
- Infrastructure planning
- In-house ecological and archaeological surveys
- Land referencing
- Producing and agreeing with landowners heads of agreement for wayleave agreements and deeds of easement
- Route feasibility and selection
- Securing access arrangements with landowners for surveys and contractors
- Specialist valuations
- Submission of relevant forms and applications to the local authorities and Department of Energy & Climate Change

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

Water
Drinking water and waste water infrastructure management
- Modelling and performance assessments
- Operational management and maintenance planning
- Infrastructure development

Flooding
- Flood risk assessments
- Strategic flood risk assessments
- Flood planning and emergency response
- River modelling and topographical surveys

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

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

RSK Group Ltd has achieved certification to the ISO 9001, ISO 14001 and OHSAS 18001 standards for quality, environmental, and health and safety management.