What we can offer

Atkins is one of the leading providers of professional, technologically-based consultancy and support services in the world.

We employ over 18,000 staff throughout our offices worldwide. We are well positioned to undertake a diversity of projects, with a multidisciplinary team spread across a network of offices throughout the UK and overseas in the Americas, Asia and South East Asia, Western Europe, Central and Eastern Europe, and the Middle East.

Geotechnical Skills & Services

- engineering geology & geohazards
- environmental geotechnics
- engineering geomorphology
- advanced geomechanics
- rock & soil slope stabilisation
- earthworks
- foundations & substructure engineering
- highways geotechnics
- rail geotechnics
- river & coastal geotechnics
- offshore geotechnics
- water supply & sewerage geotechnics
- nuclear geotechnics
- tunnel & shaft engineering
- due dilligence & expert witness

Key Contacts

For further details regarding our capabilities please email:
geotechnicalengineering@atkinsglobal.com

Office Locations
UK & Ireland

Atkins employs over 18,000 staff located in offices around the world. Our UK & Ireland offices include:

Aberdeen
Altrincham
Barking
Belfast
Birmingham
Bristol
Cambridge
Cardiff
Chelmsford
Chippenham
Colwyn Bay
Cork
Crewe
Croydon
Cumbria
Derby
Dublin
Edinburgh
Epsom
Exeter
Gillingham
Glasgow
Gloucester
Havant
Haverfordwest
Ipswich
Knutsford
Leeds
London
Maidstone
Manchester
Newcastle-under-Lyme
Newcastle-Upon-Tyne
Newport
Northampton
Nottingham
Oxford
Peterborough
Plymouth
Pontypridd
Reading
Sale
Scunthorpe
Sheffield
Southampton
St. Asaph
Stockton-On-Tees
Swansea
Swindon
Taunton
Telford
Warrington
Warwick
Winchester
York

ATKINS

Rock Slope Engineering

Plan Design Enable

Project Experience

Rock Slope Engineering

Our skills and services include:

- Discontinuity surveys and analysis, including roped access IRATA surveys
- Rock slope and rockfall stability assessment, risk assessments and management plans
- Engineering geomorphological mapping and terrain analysis
- Failure investigations and emergency remedial strategies
- Design, specification and supervision of remedial measures
- Investigation, design and construction supervision of new rock faces
- Construction and maintenance inspections
- Coastal management
- Expert witness

Project Experience

St May's Steps Cliff, Bridgnorth

The incidence of several rockfalls onto residential and commercial properties at the foot of a sandstone cliff prompted Bridgnorth District Council to appoint Atkins to inspect the cliff face and assess its stability. The cliff is some 20 to 25m high. Its lower section stands vertically and contains a number of man-made caves, which have been used as residential dwellings and for commercial storage.

Following a detailed investigation of the problem, we designed a steel catch-fence which was anchored to the cliff face using rock dowels. Other remedial works included dowelling of potentially loose blocks of rock and removal of an unstable rock pillar, all carried out using roped access techniques under Atkins' supervision.

William Pit Slope, Copeland Borough Council

The slope, which is directly above a light industrial unit, comprised a colluvial fan, an active circular slip and a rock face with loose blocks. Following an increase in concern about the slope's stability, a geotechnical assessment of the site was conducted with the aid of roped access and, within a week, emergency (temporary) works were recommended to the client. Subsequent remedial works, which included a high-impact Geobrugg rock-catch fence were designed by Atkins and constructed under our supervision.

Project Experience

Lonsdale House, Whitehaven

Following a reported rock fall, Atkins was appointed to assess a rock face and provide recommendations on stabilisation works. A detailed rock face inspection with roped access techniques allowed the development of a remedial specification consisiting of controlled removal, scalling, dowelling and rockfall netting.

Morley Quarry, Leicestershire

Morely Quarry is an abandoned quarry excavated in Pre-Cambrian volcanic rocks. There have been falls of material from the quarry faces, which are up to 18m high and have slope angles of 80°. We were commissioned to assess the stability of the quarry faces and then identify, design and supervise the implementation of remedial measures to mitigate risks to visiting students and others who require access to the faces.