

## STATS Consulting

- Desk studies, scoping, design, supervision and interpretation of investigations and surveys
- Integrated specialist engineering, materials and environmental design and consultancy

## STATS Technical Services

- Comprehensive ground and structural investigation, testing and monitoring capabilities
- UKAS-accredited on-site and laboratory testing services

STATS provides a wide range of professional and allied technical services for the design, construction and maintenance of power generation and energy distribution infrastructure and associated property assets. In delivering these services the safety, reliability and efficiency of all energy-related operations are central to our business objectives and management processes, as is responsible stewardship of the environment.

A guide to the range of services provided by STATS is given below:

### Ground and Environment

- Desk studies, air photo interpretation, field mapping and GIS
- Geophysical surveys including radar (GPR) and borehole logging
- Ground investigation: pitting, probing, boreholes and testing
- Geotechnical/environmental instrumentation and monitoring
- Terrain and geohazard risk assessment and mitigation, including seismic studies and design
- Gas pipeline route and AGI site evaluation
- Underground/overhead cable route and power station site evaluation
- Directional drilling, auger boring and tunnelling assessment
- Geotechnical and foundation engineering and temporary works
- Contaminated land assessment and remediation
- Acoustics: noise and vibration surveys and assessment
- Air quality: monitoring, dispersion modelling and assessment
- Ecology: habitat and protected species surveys and mitigation
- Flood risk assessment and mitigation

### Materials and Structures

- Structural inspection including post-tensioned concrete structures
- Paint and protective coatings condition surveys and advice
- Inspection and testing of new paint and protective coatings
- Non-destructive strength and modulus testing of concrete
- Structural investigation, sampling and materials testing
- Structural movement and crack monitoring, including telemetry
- Design, specification and inspection of concrete repair works
- Barrier, parapet, stanchion and fixings load testing
- Concrete investigation for Thaumassite and other sulfate attack
- Roped access inspection of masts, pylons and towers

### Asbestos and Water Management

- UKAS Type 1, 2 and 3 ((MDHS100) asbestos surveys
- Asbestos removals management and air monitoring
- Legionella risk assessment to ACOP L8 or BSRIA standards
- Water quality sampling and analysis



SI, geohazard assessment and mitigation for National Grid's Brecon-Tirley pipeline



Geophysical surveying at the E.ON Isle of Grain Power Station



Asbestos surveys, analysis and removals project management

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