

Coal

Coal, from lignite to anthracite rank material, remains a key global commodity; diverse in location, target size, individual seam thickness and composition. It provides 30% of global primary energy needs and thermal coal is used to generate 42% of the world's electricity. Over 60% of global steel production is dependent upon coking coal.

Coal is a bulk commodity and therefore the proximity of a project to customers, ports and railways, together with quality and quantity are key factors in assessing the viability and valuation of any coal deposit. Existing global reserves are estimated to be sufficient for over 100 years at 2011 production/consumption rates.



SRK ES offers:

Experience in coal project development, from grassroots exploration and resource evaluation and modelling, through to near mine exploration. This includes drill programme design, project supervision, logging, sampling and auditing for coking and thermal coal. Coal projects undertaken have been in Russia, Mongolia, Colombia, Sierra Leone, Laos and the UK.

Knowledge of the design and application of exploration, sampling and testing methods specific to coal. This includes the use of airborne geophysical survey techniques in regional target generation; downhole geophysical logging to determine actual coal seam thickness and continuity for sampling and modelling purposes, together with interpretation of 'Proximate' and 'Ultimate' analysis results for physical and chemical properties.

Expertise sourced from a dedicated coal speciality group formed between a number of SRK Group practices. Although coal exploration requires a number of specific evaluation techniques not normally used in metallic mineral exploration, the principals of project coordination, proper geological and structural understanding and QAQC remain critical in developing a robust deposit model and efficient exploration programme. SRK ES is able to help clients meet all of these needs.

Advice and implementation of the latest exploration techniques including sonic core drilling to recover undisturbed samples from friable horizons. These can then be used for accurate assessment of the wide ranging geochemical, physical and geotechnical properties of coal that must be identified during exploration and project development.

In all commissions SRK ES supervises the collection of high calibre data which is continually QAQC checked to ensure compliance to the requirements of international mining codes selected by the client. If required, SRK ES can facilitate the production of a Mineral Resources Estimate.

To find out more about our technical services or discuss your project specific needs, please contact us;



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