

# Near Mine Exploration

**Operating or abandoned underground mines and open pits** often form part of an exploration property. Old mine workings can provide access to deeper levels of bedrock, and drilling at these depths can significantly reduce costs. Sites of previous mining activity can also provide valuable three dimensional information about structural controls, styles of mineralisation, alteration zones and footwall and hangingwall rock characteristics.

This insight can then be applied to near mine exploration in order to try and find new mineralised bodies and extensions of mineralised zones close to old workings. This may also lead to the re-opening of an excavation as commodity prices increase or advancements in technology enable lower grades to be exploited.



## SRK ES offers:

**Experience** in the evaluation and supervision of projects in active and closed mines in Turkey, Peru, Egypt and Canada for a number of commodities including gold, diamonds, tin, base metals, chromite and coal.

**Knowledge** of mining methods, mine layouts, underground exploration, mine development techniques and equipment design. SRK ES has senior team members with a broad history of working in underground and open pit mining operations in South Africa, West Africa, Australia, Ireland and the UK. SRK ES has an acute appreciation of the relationship between the mineralogy and the paragenesis of mineralisation and the effects on the metallurgical characteristics of the ore and its required processing.

SRK ES works closely with qualified and experienced mining engineers along with members of other disciplines in the wider SRK Group; such as surveyors, rock mechanics engineers and slope stability engineers to ensure that the risks associated with working in these environments are minimised.

**Training** for geologists in the importance of mapping, grade control, drilling, logging and sampling. SRK ES also reinforces the importance of working plans and sections in mining and near mine environments.

**Innovation** in the use of laser mapping of excavations and the latest three dimensional computer modelling techniques which form useful tools in understanding mine geology.

SRK ES can use a combination of historical data and new information from re-sampling, drilling, trenching, geophysics, structural analysis and remote sensing to identify extensions to previously worked or existing orebodies. Using this information SRK ES and the SRK Group can create new or updated Mineral Resources Estimates in compliance with internationally recognised reporting codes.

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



**SRK Exploration Services Ltd**  
 12 St. Andrews Crescent  
 Cardiff  
 CF10 3DD  
 United Kingdom

**UK:** +44 (0) 2920 233 233  
**Moscow:** +7 (495) 692 24 28  
**Copenhagen:** +45 373 088 71  
**Email:** [enquiries@srkexploration.com](mailto:enquiries@srkexploration.com)  
**Web:** [www.srkexploration.com](http://www.srkexploration.com)