

MINING: Studies

The traditional feasibility process, from Scoping through to Bankable Study, is well-practiced within the mining sector. Having been established in participation with industry organisations and stock exchange authorities, the route is designed to identify and mitigate risk and ascertain the most profitable and efficient mining scenario before a project is developed. Whilst representing the culmination of decades of mine development, the feasibility process continues to evolve.

Royal HaskoningDHV are leaders in the undertaking of mining Feasibility Studies and understand that projects must be flexible and vary depending on the commodity type, location, and level of development. Through conference participation and article publication the team is renowned within the industry for having a progressive and pragmatic approach to the ever-changing feasibility process.

“The stages of feasibility are designed to evaluate the technical and financial merits of a project at increasing levels of accuracy. By this nature, each stage affords the opportunity to reduce risk, create value and progressively narrow the margin of error. The fundamental purpose, and often the main objective of the study, is being able to prove or disprove economic viability as early in the project life as possible.”

“We commissioned Royal HaskoningDHV to assist us in developing our Pre-Feasibility Study for the Lublin Coal Project in Poland, selecting them because of their reputation as a competent global geological and mining consultant. We have found the team to be diligent, professional and adaptable, assured in their advice and genuinely dedicated to helping make the project a success. We have been repeatedly impressed with Royal HaskoningDHV’s willingness to work in a flexible manner alongside the owners’ team to adapt to changes in scope of the Pre-Feasibility Study and supporting workstreams. As a consultant, their collaborative approach and dedicated project managers have brought fresh perspectives to the Pre-Feasibility Study, and had a hugely positive impact on the project’s development. Their technical input and presentation of results have been of the highest calibre throughout.”

Combining technical aptitude with a longstanding history of activity in the financial sector our capability ensures we are able to assuredly guide our clients through the feasibility process. We have a proven track record of helping juniors, mid-tiers, and majors achieve their project and investment goals.

Fast becoming the consultant of choice for mining and investment companies Royal HaskoningDHV offer the industry something different - a more professional and flexible approach to consultancy, through a modern, forward-thinking, and efficient team of experts.

Ranked globally in the top 10 of independently owned, non-listed companies and in the top 40 overall Royal HaskoningDHV has more than 100 offices in 35 countries, 6,000 staff and a turnover in excess of £500 million. With over 135 years of experience defining a proud heritage of bringing leading expertise and innovation to the market the company provides the next exciting step in working towards ‘Enhancing Society Together’.

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For the Lublin
Coal Project
Pre-Feasibility
Study in
Poland

Ben Stoikovich, CEO, Prairie Mining Ltd

Recent Study Projects



Project Kalahari, South Africa

Ntsimbintle Mining Ltd sought to progress investigations regarding their new order prospecting right for the southern portion of the Kalahari Manganese Fields adjacent to the existing Mamatwan Manganese Mine. The asset, Project Kalahari, is located near the town of Hotazel in the Northern Cape Province. Royal HaskoningDHV conducted a Definitive (Bankable) Feasibility Study evaluating the viability of a significant open cast mining operation producing approximately 2.5 Mtpa Run-of-Mine ore plus waste. The feasibility development was fast-tracked, with Royal HaskoningDHV providing input into the major technical and financial aspects including construction and production schedules, cost/financial model, and cash flow.

Iron Ore Project, Sweden

Royal HaskoningDHV mining carried out geotechnical and hydro(geo)logical design work for Nordic Iron Ore's Ludvika Feasibility Study in Sweden. The asset exists in the Bergslagen region, where iron ore has been mined since the 14th century, and comprises a deposit of iron veins that run from Blötberget in the south to the north section of the Håksberg field. Following on from the initial geoscientific investigations the team was appointed to undertake the underground mine design as part of the overall feasibility process, providing advice on technical matters as well as project study management and guidance.



Lublin Coal Prefeasibility Study, Poland

Royal HaskoningDHV are proud to maintain an ongoing framework contract with mining junior Prairie Mining Ltd during which the team have provided input two underground coking coal projects; a Pre-Feasibility Study for the Lublin Coal Project (eastern Poland), and a Scoping Study for the Debiensko Coal Project (southern Poland). Both projects have substantial potential in becoming significant producers for coking coal in the industrial heartland of Europe, boosting local, regional and national economies. The scope for both projects required input from a range of technical specialists, as well as a careful balancing of international investor requirements with

Ventersburg Pre- and Definitive- Feasibility Studies, South Africa

The Ventersburg Project is located in the Matjhabeng region of the Free State Province, South Africa. Following the positive outcome of a Scoping Study completed for the Ventersburg project previously by Royal HaskoningDHV; the team were then re-appointed to conduct the Pre- and Definitive (Bankable) Feasibility Studies. Between studies further prospecting rights had been granted which brought the Ventersburg prospecting area to approximately 135 km² in size. Royal HaskoningDHV provided technical and commercial advice including Resources and Reserves (compliant with international reporting codes), mine design, construction and production schedules, cost models and cash flows.



Recent mining study clients include:



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