

# **GEMECS COMPANY PROFILE**

## **INTRODUCTION**

Gemecs (Pty) Ltd is a small-sized geological company that renders geological and mining consulting services to the Southern Africa mining industry. Gemecs is a South African company, with its head office situated in Middelburg, Mpumalanga, with a satellite office located in Morningside Johannesburg. Its team of consultants have extensive experience working with a large range of commodities in South Africa and the Southern African region. These commodities include mainly coal, the platinum group of metals, manganese and chrome.

The experience of Gemecs' consultants extends over a wide array of fields within the geological and mining industries. On the geological side, this includes target generation, prospecting permit applications, exploration management, diamond drilling core logging, core sampling, underground and in-pit mapping and observations, grade control, geological databases, geological resource modelling and project management services. On the mining side, our services include mine design and scheduling services with our strategic mining engineering associates. Gemecs also has considerable expertise in implementing conceptual studies, pre-feasibility studies, feasibility studies, due diligence studies, review and auditing of geological and mining models, review and auditing of geological databases, geological and mining report writing and competent person's reports (SAMREC & JORC) in both the geological and mining spheres. With our vast experience and knowledge, we can add significant value to exploration, project approvals, execution phases and operations.

## **OUR VISION**

We are independent consultants providing world-class geological and mining consulting services.

## **OUR MISSION**

We contribute to the strategic success of our clients by providing ethical, innovative, functional, and technologically advanced solutions, by collaborating with well-positioned expert networks and by providing ownership value and growth opportunities to our staff.

## **OUR SOLUTIONS**

Gemecs provides “one-stop” specialist services in the fields of geological modelling, resource and reserve evaluation and project feasibility studies. Our services include the following.

Gemecs:

- **Provides experienced and professional geological advice**
- **Provides geological modelling services**
- **Compiles Competent Person’s Reports**
- **Compiles, report and sign off on mineral resource estimates**
- **Provides exploration management, core logging and sampling services**
- **Provides grade control for production services**
- **Provides geological database services (GEOBANK & SABLE)**
- **Performs geological desktop studies**
- **Undertakes reviews and audits of resource estimations**
- **Provides mine design, mine layout and scheduling services**
- **Provides input into strategic mining decision making**
- **Provides short- and long-term mine planning services**
- **Undertakes and assists in due diligence processes**
- **Assists with other mining expertise in feasibility studies**
- **Provides geological training and skills transfer to the broader geological fraternity**

Gemecs can offer these services because of the close working relationship that exists between our permanent staff, our professional associates and strategic industry alliances. Gemecs provides added expertise to its clients in areas such as mining engineering, project finance, rock engineering, geophysical logging, due diligence studies and geological audits and reviews.

## **OUR TEAM**

Gemecs (Pty) Ltd is a privately owned South African company which was founded in 1991. Gemecs is directed by its owner Nico Denner who is an active geological consultant with 25 years of experience.

Our full-time personnel complement is as follows:

### **Full-time staff:**

- **Nico Denner**                    **Consulting Geologist & MD of Gemecs.**
- **Esther Odendaal**           **Geologist - Geological database services.**
- **Cobus Erasmus**           **Geologist - Exploration and core logging, geological production services & Geohydrology.**
- **Joac Scholtz**                **Geologist - Exploration and core logging, geological production services.**
- **Megan Hunter**            **Geologist – Resource modelling, geological database services.**

In addition to our full-time employees, Gemecs has secured the services of several experienced experts as associates to assist with various projects mining engineers, environmental, rock engineering and survey professionals.

## **OUR PROJECTS AND CLIENTS**

Our list of clients and projects is updated on our website regularly. Please follow the link below to visit our webpage and to access a list of our clients and projects.

<http://gemecs.co.za/ClientsAndProjects.htm>

## **SOFTWARE USED BY GEMECs**

Gemecs uses mostly Geovia Minex™ geological modelling software for all computer-based studies and consulting work. Geovia Minex™ is the recognized world leader of integrated geology and mine planning solutions for coal and other stratified deposits. Geovia Minex™ ensures resources are evaluated accurately and mined efficiently from exploration to rehabilitation. As a single integrated solution, data and skills can be readily moved between teams at significant time and cost savings. Across the world, mining companies turn to Minex to more accurately design, plan and implement mining strategies which drive additional efficiencies, increase productivity, control costs and increase profitability.

Minex has been designed to rapidly evaluate large, deep and data-intensive layered deposits such as coal. Developed in partnership with the mining industry, the software is employed by the world's largest mining companies to model, optimise, design, schedule and rehabilitate even the most complex faulted deposits. As a single, integrated system spanning exploration through production scheduling, data and skills can be readily moved between teams resulting in significant time and cost savings.

Also, Gemecs is an expert user of the Minex software, and can provide on the job support and training to our clients.

It is, however, important to note that Gemecs' experience extends far beyond this particular software to encompass a wide range of alternative modelling and database systems currently available in the market.

## OUR CONTACT DETAILS

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