



Curriculum Vitae

Etienne de Villiers – Senior Mechanical Engineer



Profession:

Senior Mechanical Engineer

Education:

- B.Eng Engineering (Mechanical), Stellenbosch University.

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Specialisation

Engineering design of facilities and infrastructure for underground and open pit mines. Financial modelling of mining projects. Insurance evaluations. Feasibility studies. Asset Registers. Statistical Risk Modelling. Expert user of Excel.

Expertise

Etienne has approximately 8 years' experience in the mining industry. This experience includes work as a consulting mechanical engineer on the evaluation of systems and projects through mathematical, financial, statistical or risk modelling for various levels of study. Other experience includes mechanical design of facilities and services for both underground and open pit mines.

Employment History

2013 to Present	Senior Engineer	Bara Consulting (Pty) Ltd
2005 - 2013	Senior Engineer	Turgis Consulting (Pty) Ltd

Selection of Project Experience

- Two Rivers: Development and implementation of Two Rivers Asset Register.
- Barrick, Sedibelo: Pre-Feasibility Study financial modelling, Trade-off Modelling, Bankable Feasibility Study financial modelling.



- Uranium One, DRUM: Pre-Feasibility Study financial modelling, Trade-off Modelling, Bankable Feasibility Study financial modelling.
- ABG, Bulyanhulu & North Mara: Trade-off Modelling, Bankable Feasibility Study financial modelling, Engineering design of underground services.
- Harmony: Operation wide insurance evaluation.
- Anglo Gold Ashanti, Mponeng: Design of chilled water system for CL expansion, Design of ice splitter.
- Gold One, Ventersburg: Pre-Feasibility Study financial modelling, Trade-off Modelling, Bankable Feasibility Study financial modelling, Engineering design of underground services.