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PROFILE

I am a highly motivated mining engineer with 15 years mining experience, in mining operations, technical and consultancy roles, across multiple mining methods, commodities, resources companies and mining consultancy firms. I specialize in mine planning and scheduling and have acquired advanced knowledge and application of various mine planning software packages. Until recently, I was Technical Expert (Cave Management) for PT Freeport Indonesia in West Papua, Indonesia where I served a 5.5 year tenure. I'm currently on my second year of study towards an MBA at the University of the Witwatersrand (WBS). I am also a member of SAIMM.

CAREER HIGHLIGHTS

I joined Rio Tinto's Palabora Mining Company in 2003 as a Mining Engineer (Design and Scheduling). Highlights at Palabora includes involvement in integrated business improvement programmes where we provided technical support to line management for sustainable project profitability, managing construction contractors (Shaft Sinkers, TBM, Degussa, Atlantis Drill, Gemini Engineering and Juna Engineering) during the underground project to operations transition period with a budget of R150m pa, involvement in block cave simulation designs and implementation, production analysis and LOM planning with PCBC and CMS (Gemcom package).

Directors

A D Pooley (Managing) - C W Brown



After a 4 year tenure at Palabora, I joined Gemcom Software International in April 2007 as a senior business analyst. Highlights at Gemcom include business development in Zambia – Kitwe resulting in a full GEMS package sale and implementation at Luanshya Copper Mines, conducting a 5 days Block Cave Mining workshop at Philex Mining Corporation’s Padcal site in the Philippines and presenting Block Caving & PCBC at Gemcom’s Turkish Users conference in Antalya, Turkey and also working with Dr Tony Diering at De Beer’s Finsch Mine and Palabora Underground Copper Mine. I returned to Palabora as a Cave Management Superintendent in May 2008 where I headed a team of mining engineers responsible for Life of Mine planning, business analysis and management reporting. Joined BHP Billiton Hotazel Manganese Mine as a Mine Planning Superintendent for Wessels Underground Mine in 2010 and later moved to SRK Consulting for a Senior Mining Engineer role.

In October 2011, I was headhunted by PT Freeport Indonesia for a Technical Expert (Cave Management) position, where I was a technical advisor in the design, planning and scheduling of the DOZ and DMLZ block cave mines with a combined design capacity of 160,000 tons per day containing 2%Cu and 2ppm Au. As a mineral reserve custodian, my responsibilities included reviewing and evaluating the mining practice, planning and forecast aligning the business strategy with the corporate strategy and transferring the expertise and knowledge regarding Cave Management working plan and performance to support the management objective.

QUALIFICATION

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| Institution | University of the Witwatersrand (WBS) |
| Qualification | MBA, expected completion in July 2019 |
| Institution | University of Johannesburg |
| Qualification | B.Tech (Mining Engineering) completed in 2003 |
| Institution | Technikon Witwatersrand |
| Qualification | National Diploma (Metalliferous Mining) completed in 2002 |
| Achievements | Awarded a Merit Certificate for Outstanding Performance (1998) Awarded a prize for Outstanding Performance (2000) |
| Last School Attended | Vukuzakhe High School (January 1992 to December 1996) |

CAREER HISTORY

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|----------------------|------------------------------------|
| EMPLOYER | Bara Consulting |
| POSITION HELD | Senior Mining Engineer |
| PERIOD OF EMPLOYMENT | October 2017 to current |
| EMPLOYER | PT Freeport Indonesia |
| POSITION HELD | Technical Expert (Cave Management) |
| PERIOD OF EMPLOYMENT | October 2011 to February 2017 |
| EMPLOYER | BHP Hotazel Manganese Mines |
| POSITION HELD | Superintendent, Mine Planning |
| PERIOD OF EMPLOYMENT | February 2011 to September 2011 |



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| EMPLOYER | SRK Consulting |
| POSITION HELD | Senior Mining Engineer |
| PERIOD OF EMPLOYMENT | August 2010 to January 2011 |
| EMPLOYER | BHP Hotazel Manganese Mines |
| POSITION HELD | Superintendent, Mine Planning |
| PERIOD OF EMPLOYMENT | January 2010 to July 2010 |
| EMPLOYER | Palabora Mining Company |
| POSITION HELD | Cave Management Superintendent |
| PERIOD OF EMPLOYMENT | May 2008 to December 2009 |
| EMPLOYER | Gemcom Software International (Dassault Systems) |
| POSITION HELD | Senior Business Analyst |
| PERIOD OF EMPLOYMENT | May 2007 to April 2008 |
| EMPLOYER | Palabora Mining Company |
| POSITION HELD | Mining Engineer (<i>Design and Scheduling</i>) |
| PERIOD OF EMPLOYMENT | January 2004 to April 2007 |
| EMPLOYER | Lonmin: Karee Mine |
| POSITION HELD | Learner Mining Official |
| PERIOD OF EMPLOYMENT | April 1999 to March 2002 |
| CERTIFICATE | Blasting Certificate (15/08/2000) |

REFEREES

| | |
|-------------|--|
| NAME | Birat Setyoko |
| DESIGNATION | Manager Engineering |
| COMPANY | PT Freeport Indonesia |
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| NAME | Ian Edgar |
| DESIGNATION | Senior Manager Underground Expansion |
| COMPANY | PT Freeport Indonesia |
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| EMAIL | iedgar@fmi.com |
| NAME | Sam Ngidi |
| DESIGNATION | Mine Study Manager |
| COMPANY | Palabora Mining Company |
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NAME Dr. Tony Diering
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COMPANY Gemcom Software International (now Dassault Systems)
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NAME Michael Hutahaeen
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