



Curriculum Vitae

Allan du Plessis - Principal Engineer



Profession:	Electrical and Mechanical Engineer
Education:	<ul style="list-style-type: none">➤ HND Elec Eng➤ GECC Elec Eng - Cert. No. 4652➤ GECC Mech Eng - Cert. No. 2876
Registrations / Affiliations:	Professional Certificated Engineer, Engineering Council of South Africa Reg. No. 9190079 Professional Construction Manager

Expertise

In 1976 Allan started at the Randfontein Estates Gold Mining Company where he followed the Learner Official Engineering M&E course and received a Higher National Diploma in Electrical Engineering from the Technikon Witwatersrand in 1979, Allan then moved on to the JCI Group Junior Engineers course and obtained his Government Engineers Certificate of Competency in Electrical Engineering in 1982 and appointed as Section Engineer in 1983. During this time Allan was seconded to JCI Head Office as a project engineer on the Doornkop Gold Plant Project. He was transferred to Rustenburg Platinum Mines – Union Section, in 1984 and he obtained his Government Engineers Certificate of Competency in Mechanical Engineering in 1985. During this time Allan was appointed as engineer responsible for infrastructure, concentrator plant and trackless mining operations at the Decline Section.

In 1989, Allan joined GFC Mining, a major shaft sinking contracting company, as a Contracts Engineer, responsible for the engineering aspects of a number of shaft sinking contracts. In 1982, Allan was appointed as Manager Engineering for the Mining Division and in 1996, appointed as Manager Engineering for all international projects, being responsible for contract work in a number of countries including Taiwan, Switzerland and England.

In 1997, Allan was appointed as project manager for the Bafokeng Rasimone Platinum Mine and in 2001 was seconded to Cementation Canada as Senior Electrical Engineer and shaft sinking consultant for the Onaping Depths Project. In 2002, Allan returned to SA and was appointed as Manager Engineering for the Drilling Division, with overall responsibility for all engineering in the raiseboring, surface drilling, and



cementation divisions. In 2004, following a takeover by Murray & Roberts, Allan was appointed as Business Manager Cementation – Mining Services Division, responsible for all business activities related to mechanical mining, drop raising, diamond drilling, grout plants and high pressure grout intruded bulkhead plug construction. In 2006 he completed a course on grouting and injection techniques ahead of the Gautrain Project, in Sargans, Switzerland.

Allan is a professional certificated engineer, registered with the Engineering Council of South Africa; a member of the SA Institute of Mining and Metallurgy, the Institute of Certificated Mechanical and Electrical Engineers of SA and a member of the Association of Mine Resident Engineers.

Employment History

2013 - Present	Principal Engineer	BARA Consulting
2012 - 2013	Principal Engineer	Royal Haskoning DHV
2006 - 2012	Principal Engineer	Turgis Consulting
2004 - 2006	Business Manager Cementation – Mining Services	Murray & Roberts Cementation
2002 - 2004	Manager Engineering – Drilling Division	Cementation Mining
2001 - 2002	Senior Electrical Engineer / Shaft Sinking Consultant	Cementation Canada
1998 - 2001	Senior Contracts Engineer – Mining Division	Cementation Mining
1997 - 1998	Project Manager – BRPM	Cementation Mining
1996 - 1997	Manager Engineering – International Contracts	Cementation Mining
1992 - 1996	Manager Engineering – Mining Division	Cementation Mining
1989 - 1992	Contracts Engineer	Cementation Mining
1984 - 1989	Section Engineer	Rustenburg Platinum
1983 - 1984	Section Engineer	Randfontein Estates GM

Recent Key Experience:

- Gold One International – Ventersburg Project, 2012: Definitive feasibility study
- Redpath Mining SA – Ghaghoo Diamond Mine 2012: Project Manager, Shaft sinking design
- AMG – Antimony Mine 2012: Due diligence study
- Witwatersrand Gold – De Bron Merriespruit 2012: Prefeasibility study
- Randgold Resources – Loulo Mine 2011: Access trade off studies
- Harmony Gold – Rolspruit Project 2011: Feasibility study
- Ferrexpo – Yeriskovskoe, 2011: Hoisting duty calculations
- EHW – Crocodile River Mine, 2011: Project Manager, Grout plant design
- Gold One International – Ventersburg Project, 2011: Prefeasibility study
- Gold One International – Goliath Gold Project, 2010: Access and shaft studies



- JIC Mining – Joel Ventilation Shaft: Project Manager, Shaft deepening design
- Southgold Exploration – Burnstone Gold Mine, 2009/10: Project Manager, Principal Agent
- Southgold Exploration – Burnstone Gold Mine, 2007/09: Project Manager, Owners Engineer
- Metorex - Dilala East, 2009: Feasibility study, Primary access
- Barrick Gold – Bulyanhulu Gold Mine, Tanzania, 2008: Feasibility studies
- Harmony – Evander South, 2007: Feasibility studies
- Barrick – Sedibelo, 2007: Feasibility studies for grout plant
- Akanani Platinum, 2007: Feasibility study for pastefill plant
- Boynton Investments – Pilanesberg Platinum, 2007: Contract mining tender documentation
- Impala Platinum – Ngezi Mine Zimbabwe, 2006: Primary access trade off studies
- Metorex – Kipushi Copper Mines – DRC, 2006: Shaft examinations

Experience

Projects: Design, Engineering, Supply, Construction and Commissioning:

- Anglo Platinum Union Section: No. 4 South Decline grout plant
- Eastern Platinum Newman Shaft: Grout plant
- RPM Boschfontein Shaft: Grout plant
- Crown Gold ERPM: High pressure bulkhead plugs

Mechanical and Electrical engineering: Cementation Mining, being a contracting company specialising in shaft sinking, drilling, raiseboring and mechanical mining, undertook most design work in-house, especially contract related work to suit specific requirements. Allan's direct experience includes:

- Shaft infrastructure design
- Winders and hoisting design and application
- Water sealing and injection
- Raiseboring activities
- Grout and backfill plant design and application
- Project management
- Contract management
- Gold and platinum process plant engineering operation and management
- Trackless mining operations