

ERRICO VASCOTTO



PROFILE

EDUCATION & TRAINING

- **National Diploma in Business Administration** (University of Southern Queensland), 2013
- **Mine Managers Certificate of Competency** (1997) (Mining Engineer)
- **MBA** (University of Southern Queensland),(2014) – Speciality Project Management
- **TK111 National Diploma Construction Technology** (1984)
- **Mine Overseers Cert. of competency** (1982)
- **Certificate in Business Administration** (University of Southern Queensland), 2012

Professional Courses / Certificates

- NEC engineering & construction Contracts; Contract law; Contract Comparisons; Candy general course
- Advanced Certificate rescue brigades man
- Gas Certificate for fiery mines
- Innovative Decision thinking through value management
- Network programming & scheduling
- Finance for non-financial managers
- Project Management Framework & Process for Project Managers & Project Teams

Language Proficiency

LANGUAGES	READ	WRITE	SPEAK
Spanish	Yes	yes	Yes
English	Yes	yes	Yes
Portuguese & Italian	Yes	yes	Yes

PROFESSIONAL MEMBERSHIP / REGISTRATION / AFFILIATIONS

- South African Association of Mine Managers (currently expired- in process of renewing)

BACKGROUND SUMMARY / PROFESSIONAL EXPERIENCE

My latest employment comprised of working for Aveng Mining as their New Business Development Manager South America. The post, which had its base in Santiago, came with some operational responsibility on an existing shaft-sinking project in Chile.

Shortly after taking on the role, Aveng appointed me as a director of “Aveng Chile Construcciones” to represent Aveng's interest in the Joint Venture Company.

Previously engaged by Murray & Roberts Cementation, worked in the capacity of Senior Project Manager, my last assignment with the company comprised of working on the start-up phase of the Venetia Underground Project, a mega project for the extraction of Kimberlite via a twin shaft and decline/ramp system.

Prior to re-joining Murray & Roberts cementation, I worked in the capacity of Production and General Manager for an alluvial diamond mine in Angola.

Within the last 25 years, I have had exposure to the international market, working in Brazil, Chile, Argentina, Australia, Angola, Botswana, Lesotho and Zimbabwe. I've worked as a General Manager for East Rand Propriety Mines, a gold mine that comprised of five different shaft complexes in RSA, have been involved with pre-feasibility and feasibility studies from both sides of the coin (owner and EPCM). Worked on both Civil and mining projects, inclusive of contract mining.

I understand and have worked in countries whose cultures differ from the western's individualistic type culture to the collectivistic culture, and have a good understanding of working in African countries.

Professional Experience:

- Identification of potential clients and partners, establishing JV agreements, starting up a new company in a foreign environment and negotiation of contracts
- Identifying new leads and potential new markets, attending and presenting at industry events
- Planning and overseeing marketing initiatives
- Establishing partnerships and exploration of new ventures and opportunities
- Negotiating claims
- Overseeing of all business operations, people, ventures, finances and strategy to manage a mining related construction company in Chile.

- Managed all technical and commercial aspects of Greenfield and Brownfield Mining projects
- Exposure to Capital projects to the value of USD \$2Billion from feasibility stage to execution stage (Venetia Underground Project for De Beers in South Africa.
- Managed all the mining operation of multi faceted/shaft operations
- Managed contractors & sub-contractor
- Sinking of deep level and sub shafts with ancillary development to establish necessary infrastructures to bring mines to operational level
- Ultra-deep, intermediate, and shallow mining with additional experience in alluvial, open pit and adits.
- Large underground excavations
- Long hole open stoping in narrow and massive ore bodies/Room and pillar mining/flat and steep narrow vein mining/longwall mining/developing infrastructures for block caving of massive orebodies, both trackless and rail bound mining methods
- Introducing Selective Blast mining techniques to the mining industry, Selective blast is mining methodology that was adapted to mine narrow reef horizontal and vertical ore bodies, where the separation of waste and reef was carried out within one blast . The technique adopted long hole drilling for steep orebodies.
- Gold, Platinum, Copper, Coal, and Diamond mining
- Conventional and Mechanized/trackless mining
- Implementation and monitoring of policies and procedures to qualify and maintain the NOSA and ISO suite of awards inclusive of quality and environmental management.
- Costing, budgeting, scheduling, tendering, short and long term life of mine planning
- Research, development and implementation of new mining technique (selective blast mining)

MAJOR ACHIEVEMENTS / ACCOMPLISHMENTS

Took over a project in Chile that was behind schedule, not meeting production schedules, and financially deep in the red. After analysing and resolving the problems managed to turn the project around and the project was became known throughout the continent as the flagstone project of the country, and collecting many an accolade for achieving a milestone project in South America.

RELATED EXPERIENCE

Shaft sinking

- Sink & shotcrete line two by 7 x 5 m oval shaped shafts 80m deep 200m apart and connect the shafts via a tunnel under the Vaal river basin
- Sink & Line Leeudorrn man & material Shaft for Gold fields 9m Φ x 1800m (aprox), this included a midshaft loading system where a single end was developed from the station with rail bound equipment (hand held drills (jackhammers, eimco 630 loader loading into 3,5 ton hoppers)
- Sink & Line Sub Vertical shaft , Mineracao Moro Velho (Brazil) - 9m Φ x 600m (aprox)
- Sink & Line palabora Service Shaft for 12m Φ x 1270 m

- Sink & line 5 X 200M Deep x 9 - 12m Φ for Secunda collieries
- Sink & Line Man & Material Paardekraal N0 2 Platinum mine shaft , 9m Φ x 1030m
- Sink & Line Ventilation shaft for Paardekraal N0 2 Platinum mine , 6m Φ x 1030m
- Sink, Line & equip with re-enforcing steel plus mass concrete of 3 x foundation shafts 80m deep x 7m Φ in the centre of a busy freeway.
- Sink & Line Ventilation shaft for Codelco in Chile , 12m Φ x 998m

Lateral Development

- Modikwa Platinum Mine twin decline & lateral development (LHD's, 20 Ton articulated trucks, double boom rigs, roofbolter , Utility vehicles, emulsion charger. (400m/month))
- Early start up of both Hackney & Twickenham mine comprising of 2 x twin declines , connecting x/cuts , drives to reef and raises. Aprox 1200m/month with mechanised equipment
- Developing of the palabora undercut, comprising of drawbells, crushers, declines, haulages, drawpoints with mechanised equipment.
- Karee 4 shaft development to reef from 7 levels (shaft stations) --- the project was a hybrid system where haulages where mined with twin boom drill rigs, roofbolter, scalers and loaded with LHD's, dumped into rail bound hoppers. Equipping of haulages lagged 200 to 300 m behind the advancing face, with a crew following behind with rail installation for locomotives and hoppers, X/cuts were equipped with hydropower drill rigs and loaders.
- Karee Number 3 shaft sink Sinking & Equip of Conveyor and Chairlift declines 1500 m & associated development.
- Turffontein shaft comprising of Five declines & level development on 33 to 36 levels 6500m , for more details on the project see section 'safety first approach brings advantages at Turffontein -safety first approach brings advantages at Turffontein" on web page:

Feasibility studies

- Was tasked to conduct feasibility studies for the re-opening and re-establishing of three defunct Gold mines on behalf of Shaft Sinkers who at the time wished to enter into a contract-mining environment and on completion of the study and negotiating terms of engagement with the mine owners, assisted with the start-up phase of the project.
- Headed the technical services department of shaft Sinkers where one of my function was to investigate and conduct pre-feasibility and feasibility studies on a number of projects.
- As a general manager of ERPM, we conducted a feasibility to explore a large orebody 6 Km deep. The project was abandoned due to cost of mining at those depths and mining technology not yet suited to mine at those depths.
- Was intimately involved over a two-year period conducting and pricing a feasibility study for the De Beer's Venetia underground diamond mine representing the contractor that was assigned to implement the scope of works. The team was headed by Project Managers from the owner's team, the EPCM contractor and construction contractor. The project had a value of US\$20B.
- As the South American New business, Development Manager was involved in pricing a number of small and large-scale mining projects for the region.

Dewatering Experience:

- Worked as the General Manager for ERPM, a gold mine on the East rand of Gauteng, where we collected and treated water from the Witwatersrand water basin. This water stretched underground through a natural underground reservoir and worked out areas from old and abandoned defunct mining activities. The underground water stretched for Km from the West Rand to the East Rand and it was imperative to maintaining the water levels below any areas, which could have affected the production of ERPM's existing shafts, and preventing the water from rising above a certain level that could have caused flooding of suburban cities.
- Also gained dewatering experience working at Westonaria Gold Mine that was very prone to water ingress and underground flooding.
- Involved in the de-flooding and blocking of further water ingress into an underground tunnel and shaft system
- Grouting and ground consolidation

Experienced in managing support services such as Shaft Geology, Rock Mechanics, Survey, Ventilation and Technical Services:

- Worked as head of a technical department whilst working for shaft sinkers were my functions included supervising pre-feasible, feasible and bankable feasibility studies, all of which required the management and integration of geology, ventilation, rock mechanics, surveying and engineering functions. The Technical department was also responsible for supplying these services to contract mining operations

WORK HISTORY SUMMARY

COMPANY	POSITION HELD
Aveng Mining Shafts and Underground, South America	New Business Development Manager-South America; Director Aveng Construcion Chile; General Manager JV company established for the shaft sinking Operations in Chile;
Murray & Roberts Cementation	Senior Project Manager
Sociedade Mineira do Chitotolo	Director de Produção (Production Manager)
Murray & Roberts Cementation, (Johannesburg based but overseeing various projects country wide)	Business Manager; Senior Project Manager
East Rand Propriety Mines, South Africa	General Manager;
Shaft Sinkers (Pty) Ltd, (Johannesburg based but worked in various sites both locally and internationally)	Contract Manager;
Markon Mining & Civil Engineering, Randburg	Site Manager
Western Deep levels, South Africa	Senior Planning Officer
JCI, South Africa - Randfontein Estates/ Westonaria Gold Mine	Mine Overseer