

**ALAN M. CLEGG Pr. Eng.**  
**MANAGING DIRECTOR**  
**EXPERTISE PROFILE**



## **EXPERTISE PROFILE**

Mr. Clegg, with South African and British dual citizenship, is a Natural Resources & Energy Industry Professional with over 4 decades of experience gained from working natural resource development projects, industries and related supply industries in more than 40 African and in total 160 countries across all the continents.

He is a registered Professional Engineer (Pr.Eng), a registered Professional Construction Project Manager (Pr.CPM), a registered Project Management Professional (PMP), and carries professional Fellowship status with South African Institute of Mining & Metallurgy (FSAIMM) and the Institute of Quarrying (FIOQ) as well a professional memberships of many of the related Institutes globally and is a recognized natural resources technical assessment, reporting and project valuation expert with key experience in stock exchange listings and the requirements for successful private equity capital raising.

Mr. Clegg has been intimately involved as Director, executive manager, team leader or member of teams that have completed feasibility studies and/or constructed on ECM, EPC or EPCM basis over 60 Major Projects across all commodities including inter alia Infrastructure Metals, Energy Fuels, Energy metals Bulk Commodities, Industrial Minerals, and Dimensional Stones with a combined value in money of today in excess of US\$18 Billion over the last 25 years.

He has advised a number of governments on Mining Policy, Legislation & Regulation since 1990, as well as being the architect & executor of practical plans for unlocking the potential value of their natural resources base. Mr. Clegg has been Chairman of numerous high-profile Natural Resources Technical Conferences and Seminars in the industry globally, and is sitting Chairman of the African Union event, The African Mining Summit. He is also an accomplished technical author and speaker of over 40 papers and Journal Articles.

Further, he has been nominated for a number of awards and prizes internationally, including for the prestigious “John Barrie Award” of the PMI (USA) Project Management Institute, for his contribution to Project Management Theory & Practice.

Mr. Clegg is an active Independent Consultant and Competent Natural Resource Project Valuator to the industry globally and has an acute interest in new technologies deployment for improved return on equity and investment in general.

<b>DETAILS</b>		
		<b>Titles</b>
<b>Name</b>	Alan Mitchell Clegg Independent Professional Engineer, Project & Construction Director & Expert Specialist Corporate Director	Pr. Eng Pr.CPM PMP F. Inst.D
<b>Current Designation &amp; Directorships</b>	<p>Non-Executive Chairman &amp; Director SA Turkey Investment &amp; Bus Dev Co Ltd (International Trade Technology &amp; Innovation) (South African)</p> <p>Non-Exec Chairman &amp; Director Shumba Energy Ltd (BSE - SHUMBA) (Coal Mining &amp; Energy Production) (Botswana &amp; Mauritius)</p> <p>Non-Executive Chairman &amp; Director Shumba Coal Trading Ltd (Mauritius)</p> <p>Director MetaLeach Limited (BVI)</p>	<p>2007 to date</p> <p>2009 to date</p> <p>April 2015 to date</p> <p>Jan 2020 to date</p>
<b>Past Designation &amp; Directorships &amp; Service on Mining Industry Bodies</b>	<p>Independent Non-Executive Director SYRYMBET JSC Kazakhstan (Exploration &amp; Mining Development Co.)</p> <p>Non-Executive Director, Chairman (Since 2017) Alexander Mining Plc (London, UK) (Process &amp; Metallurgical Technology &amp; Engineering) (LSE (AIM) – AXM)</p> <p>Non-Executive Chairman &amp; Director Afrasia Mining &amp; Energy Consulting A.S. (Consulting Engineering &amp; Services)</p>	<p>Jan 2015 to Nov 2018</p> <p>Feb 2013 to Nov 2019</p> <p>2006 to 2015</p>

	<p>Founder, Executive Chairman &amp; CEO RCR Limited (TSX-RCB) (Canadian)</p> <p>Non-Executive Chairman &amp; Director SAT Energy A.S. (Consulting Engineering &amp; Services)</p> <p>Co-Founder &amp; Executive Director – Mining Eng TWP Consulting (Pty) Ltd (Subsidiary of TWP Holdings – JSE Listed until 2010) (South African)</p> <p>Executive Director – Mining &amp; Minerals Proudfoot Consulting SA (Pty) Ltd (Subsidiary of Proudfoot Plc – LSE UK listed)</p> <p>Managing Director Tamrock Africa Ltd then Sandvik Africa Ltd (South African Subsidiary)</p> <p>Council Member of South African Institute of Mining &amp; Metallurgy</p> <p>Member of SAIMM Technical Program Committee</p> <p>Deputy Chairman of the SAIMM Technical Program Committee</p> <p>Chairman of the SAIMM Technical Program Committee</p>	<p>2008 to 2012</p> <p>2006 to 2013</p> <p>2002 to 2007</p> <p>1999 to 2001</p> <p>1994 to 1999</p> <p>2007 &amp; 2008</p> <p>2004 to 2008</p> <p>2006 &amp; 2007</p> <p>2008</p>
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LinkedIn Profile	<a href="https://www.linkedin.com/in/alan-m-clegg-pr-eng-00227a9">https://www.linkedin.com/in/alan-m-clegg-pr-eng-00227a9</a>	

<b>QUALIFICATIONS &amp; MEMBERSHIPS</b>		
Qualification / Reg.	Institution Obtained	Year Issued
MAIME	Institute of Mining Engineers (USA)	1980
BSc. Mining Eng	University of Newcastle Upon Tyne	1982
MSAIMM	Institute of Mining & Metallurgy	1982
GCC Mine Manager (Metal)	Mines Dept, GME RSA	1984
MDP Executive Mgmt Prog	UNISA (University of South Africa)	1987
MIOQ (RSA)	Institute of Quarrying (RSA & UK)	1995
Fellow of Inst. Directors	Institute of Directors (RSA & UK)	Member 1997, Fellow 2016
MICD	Institute of Canadian Directors	2010
Fellow of SAIMM	Institute of Mining & Metallurgy	1998
Fellow of IOQ	Institute of Quarrying (RSA & UK)	2000
Pr. Eng.	ECSA Reg No:20050117	2005
PMP	Project Management Institute	2005
Pr.CPM	Institute of Construction Project Managers	2006

<b>FIELDS OF EXPERTISE &amp; EXPERIENCE</b>		
Type	Years	Details
Production & Management	14	Surface & Underground Mines in Coal, Gold, Platinum & Base Metal Mines, Diamonds, Iron Ore, Industrial Minerals & Dimension Stone. Includes quarrying. Mechanical & Hydraulic Equipment Design & Manufacture Safety Management Quality Management & Certification
Mine and Energy Generation Capital Projects Management & Shaft Sinking (ECM, EPC & EPCM)	13	Deep Vertical Shafts and Declines Shafts Establishment in Gold, Platinum, Base Metals & Diamond

		Mines. Open Pit conversion to UG Mining. Hydropower systems excavation design and establishment. Coal Fired Power Stations, Wind & Solar farms.
Underground & Open Pit Mine Mechanization, Bucket Wheel Excavator & Strip Mining specialisation both Trackless & Hybrid Mining Installation for all mine methods. Specialization in UG mines for open-stoping and caving mines, especially large block caves. Specialization in Open-pit conversion to UG Mining.	18	Conceptual Design, Appropriate technologies application, Equipment Design and Manufacture, Feasibility Studies and Implementation, Trade off studies and Fleet Management Systems. Many Technical Papers published on the subject since 1988.
Mining and Energy Business Process Management, Productivity Management and Optimisation. Turnaround strategies. Etc.	25+	Management Consulting on International Mining and Energy (power) Generation Business process re-engineering.
Exploration and following studies for Primary Mine Design and Energy Plants from Concept to Construction (ECM, EPC & EPCM), operations and mine closure	35+	Involved in all aspects of Mining Engineering and the related value chain for all minerals, metals & energy source fuels since 1975
Risk Management & Insurance	2	Risk Management Auditing and Risk Control Systems Design and Implementation with Self Funding Arrangements for Disaster Coverage on Natural and Energy Resources operations and projects
Senior Executive Management at Chairman/CEO/Executive & Non-Executive Director level for Mining Technology, Mining Equipment, Mining Engineering & Design Consultancy, Junior Exploration, Mining & Energy Companies	25+	Business Strategy, Business Development, Business Planning & tactical execution, Financing, International Contracts, Legal aspects, Stock Exchange Listings & all forms of capital raising

Technical Author & University Lecturer for both Under-graduate, post-graduate and mature students involved in CEE (continuing engineering education programs at universities)	20+	Written, Published & Presented more than 40 technical papers and Journal articles