

KRZYSZTOF (KRIS) BIEGAJ



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Krzysztof (Kris) Biegaj www.linkedin.com



Perth, Western Australia
(Australian Citizenship, 1988)

EDUCATION & QUALIFICATIONS

**Bachelor of Engineering (Mining)
Hons**
Wroclaw Technical University,
Poland

**First Class Mine Manager's
Certificate of Competency
(WA Metalliferous)**

**First Class Mine Manager's
Certificate of Competency
(WA Coal)**

PERSONAL STATEMENT

I am a Senior Manager, Business & Operations Consultant and Business Owner in the mine operations field with significant experience in underground and open pit settings, both in Australia and overseas.

My career history features a diverse range of roles which given me a broad foundation and an ability to assimilate and adapt to business circumstances and needs. I am a proven team-builder, motivator and mentor, and typically develop strong personal relationships with colleagues to foster a productive work environment and progress initiatives.

For much of my underground mining career, I have had a keen interest in optimization of operations which has led me to initiate many special projects, changes to operational strategies and also the establishment of an entrepreneurial business venture.

Whilst working as Registered Mine Manager on highly seismically active UG nickel mine in Western Australia I had three (3) fatalities, including two (2) caused by rock-burst (1997) – one (1) day after Princess Diana was killed in Paris. Since then I have had not allowed / had fatalities on mines I have worked on in various parts of the world, Australia included.

With workforce and upper management permission in 2006 Plus (*whilst working as Mine Manager for Goldfields in Kambalda, WA*), introduced Safety at Home as fundamental part of monitoring and approach to Safety on Mine-Sites – [Refer to my recent in-person presentation at the AusIMM Minesafe International Conference in Perth on 4–5 05 2022.](#)

PROFESSIONAL EXPERIENCE

Specialist Mining Contractor (Business Owner) 2020 - present

Ausvac Mining Pty Ltd | Perth, Western Australia

- Business development for specialist mine contracting business
- Marketing and business management of venture
- Consultation with government on best practice mining initiatives

Mine Manager / Project Manager 2016 - 2020

Ramelius Resources Ltd. | Mt Magnet Mine, Western Australia

- Underground mine management of the company's largest producing mine
- Design and construction oversight of surface infrastructure to support a new underground mine development

Business Improvement Consultant / Mining Consultant 2012 - 2017

McMahon Mining Contractors | Various Sites in Australia, Mongolia & Philippines

TransSiberian Gold plc | Various Sites in Russia

- Underground/open pit mine operational and design review of problematic sites
- Operational debottlenecking

Member - Australian Institute of Mining & Metallurgy (AusIMM)

LANGUAGE SKILLS

Fluent in English, Polish, Russian
(Spoken and written)

PROFESSIONAL SKILLS

Underground Mine Operations
Surface Mine Operations
Old Mine Tailings Retreatment
Safety Culture Home included
Mine Safety Systems
Reduction of Environmental Pollution
Mine Floor Material Recovery
Cost Management
Mine Safety Legislation
Innovations
Mines Rescue
Performance Management
Schedule Delivery
Change Management
Continuous Improvement
Contract & Owner-Operator Settings
Infrastructure Projects
Seismic Mine Environments
Narrow Vein Mining
Reduction of ore dilution
Foreign & Developing Jurisdictions
Unskilled Workforce Management
Severe Climate Operations
Technology & Equipment Development
Unionized Operations
Large Workforce Management
Operations Re-starting

PERSONAL SKILLS

Strong Work Ethic
Leadership by Example
Listening to All
Team Builder
Motivator
Mentoring
Collaborative Style
Energetic Style
Problem Solver
Goal Oriented

- Business objective alignment and development of key performance indicators

Director of Operations 2013

Mongolian Resource Corp | Sujigtei Gold Project, Mongolia

- Re-establish mine and processing operations for recapitalized business
- Government liaison
- Develop operational strategy and planning for corporate interface

Executive Manager - Mining / Manager Mine Projects

2009 - 2012

AngloGold Ashanti | Obuasi Gold Mine, Ghana

- Underground mine management of a large, world-class, but challenging gold mine
- Upgrade surface and underground mine infrastructure
- Establish performance monitoring systems
- Re-configure sub-optimal mine designs
- Design and implement changes to workforce shifts and rosters
- Strategic planning for long term
- Implement cultural change

Contract Mine Manager / Mining Consultant

2005 - 2009

Various engagements in Western Australia, Russia & Ghana

- AngloGold Ashanti: Obuasi Gold Mine, Ghana – business improvement consulting
- Aginskoye Gold Mine Design, Russia – underground narrow-vein mine consulting
- Portman Iron Ore: Mt Jackson, Western Australia – multiple open pit mine management
- Harmony Gold: Hill 50 Mine, Western Australia – seismic underground mine management
- Gold Fields: St Ives Gold – underground mine management

Operations Consultant

2004 - 2005

Celtic Resources Holdings Plc | Suzdal Gold Project, Kazakhstan

- Design, permitting and construction of new underground mine in extreme climate
- Operational management of multiple surface mining operations
- Upgrade of surface infrastructure
- Operational debottlenecking

Specialist Mining Contractor (Business Owner)

2003 - 2004

Ausvac Mining Pty Ltd | Kalgoorlie, Western Australia

- Established specialist mine contracting business with focus on recovery of high-grade ore
- Designed and constructed unique mining equipment
- Marketing and business management of venture

Site Director

2002 - 2003

Celtic Resources Holdings Plc | Nezhdaninskoye Gold Project, Far-East Siberia, Russia

- Operations management of world class underground gold mine in extreme climate
- Interface between site and corporate function

Manager Mining / Technical Services Manager

1997 - 2002

WMC Resources Ltd | Central Norseman Gold Operations, Western Australia

- Operations management of high-grade, narrow vein underground and surface mines
- Workforce restructuring and establishment of mining contracts
- Implement changes to mine design, sequencing and reduction of pollution to environment

Mine Manager

1992 - 1997

WMC Resources Ltd | Kambalda Nickel Operations, Western Australia

Stakeholder Engagement
Committed

REFERENCES

Available on Request

- Underground mine management of largest nickel mining complex at operation
- Workforce restructuring in heavily unionized environment
- Design and implementation of mining contracts and management systems
- Optimisation of mining practices
- Upgrade of underground and surface infrastructure including introduction of facilities for female Members of Mining Team

PROFESSIONAL EXPERIENCE, CONT.

Senior Ventilation Officer / District Inspector of Mines / Deputy Regional Mining Engineer 1987 - 1992

Department of Minerals and Energy | Karratha/Kalgoorlie, Western Australia

Mine Rescue Superintendent 1981 - 1985

Walbrzych/Waldenburg Coal Mining Region | Walbrzych/Waldenburg Regional Mines Rescue Station, Poland – with 25,000 People UG in 500 years old coal mining region

Section Superintendent / Mine Foreman / Mining Engineer 1977 - 1981

Walbrzych/Waldenburg Underground Colliery, Poland

Student Practices when studying at Wroclaw Technical University 1972 - 1977

KGHM – Biggest in the world Copper and Silver UG Mining Corporation, Poland

PROFESSIONAL ACHIEVEMENTS

Developed New Underground Mine // 2016 - 2019

Ramelius Resources Ltd | Mt Magnet, Western Australia

- Secured governmental approval to commence new underground mine from historic open pit workings.
- Oversaw design, contract award for rehabilitation of existing workings and installation of ground control support system including pit wall monitoring system
- Implemented risk management measures for major hazards including flood protection and emergency egress.
- Designed, procured and oversaw construction of surface mine infrastructure including buildings, waste water management systems and explosives storage.
- Managed scope of work effectively to complete under budgeted cost and on schedule.
- Safety & productivity improvements of mining methods.

Introduced Step-Change Safety & Profitability Initiatives // 2008 - 2017

McMahon Mining Contractors | Various Sites in Australia, Mongolia & Philippines

TransSiberian Gold plc, Aginskoye Gold Mine | in Russia, Kamchatka Peninsula

- Improved mines rescue function
- Introduced personnel carriers in underground mines
- Optimised function of underground mine refuge chamber system
- Designed and introduced novel rescue mining method to increase grade and productivity

Implemented Sweeping Changes to Modernise Mine // 2008 - 2012

AngloGold Ashanti | Obuasi Gold Mine, Ghana

- Revised organizational structure to improve accountability and supervision
- Developed strong working relationships with supervision and mine workforce to align with operational objectives and drive change
- Developed and implemented strategies to infuse workforce pride and ownership
- Introduced alternative stoping method to lower development cost intensity
- Implemented 12 hour shift continuous mining roster which resulted in significant improvements to productivity

TESTIMONIALS



2001 World Gold
Producers Cost Curv



Ken Brinsden W
Australian 17-18 03 :



K Biegaj ASX
appointments - MUI



Publications by K
Biegaj 08 11 2022 Uf

- Modernised surface and underground facilities to promote hygiene, safety and productivity
 - Upgrades to changeroom facilities, crib rooms,
 - Introduced food deliveries underground
 - Established centralized firing and voice communication systems
 - Modified ventilation practices
 - Upgraded underground mobile fleet to improve productivity and safety
 - Introduced tele-remote mucking and rock breakers in open stopes to increase productivity and safety performance
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Founding and Development of Novel Business Venture // 2003

Ausvac Mining Pty Ltd | Kalgoorlie, Western Australia (www.ausvacmining.com.au)

- Conceptualised, built and commissioned an industrial mobile vacuum system to target the recovery of high-value broken ore in underground excavations that would otherwise be lost.
 - The system was revolutionary and equipment truly a ‘world’s first’ highly efficient innovation and supported the foundation of a specialist mine contracting business that completed eight (8) mine floor material recovery projects in Australia (2003 – 2011 respectively) including: Mt Pleasant (Placer Dome), Bendigo Gold Mine (Bendigo Mining NL), Otter-Juan (GMM), Cosmos Nickel (Jubilee Mines), Agnew (Gold Fields), Long-Victor Complex (Independence Group), Redross Mine (Mincor Resources) and Harlequin Mine (Central Norseman Gold).
 - **Hands-on vacuuming system development from 5 to 40 tones/shift capacity – by Kris Biegaj**
 - The development of the business was self-funded and was profitable for all parties in the niche applications it targeted.
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Operational Profitability Improvement // 2001

WMC Resources Ltd | Central Norseman Gold Operations, Western Australia

- Restructured mine operations and technical services functions to optimise mine output that led to the highest gold output from the operation’s continuous 60 years⁺ history.
 - Instituted bottom-up cost management systems and awareness that drove increased accountability that ultimately led to the achievement of operating costs in the world 1st quartile despite challenging mining and mineral resource dynamics.
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Implemented Technological Change // 1998-1999

WMC Resources Ltd | Central Norseman Gold Operations, Western Australia

- Conceptualised and implemented of Australia’s first one-pass separation blasting system to significantly increase ore grade delivery from development headings.
 - Sponsored and mentored a multi-disciplinary team of technical, operations and maintenance personnel to introduce a ‘mini-jumbo’-based development and stoping system that resulted in significant reduction in dilution, increase in productivity and a fundamental shift towards mechanized mining.
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Responded to Increased Mine Seismicity // 1994 Plus

WMC Resources Ltd | Kambalda Nickel Operations, Western Australia

- In the face of significant increases in mine seismicity which threatened employee safety and continuation of operations, instigated a comprehensive geotechnical review and drove fundamental changes to mine design, technical capability, ground support practices – **mechanized shot-fibrecreting included**. This was at a time when geotechnical input into mining was not commonplace nor considered necessary.
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Significant Operational Productivity Improvement // 1994 Plus

WMC Resources Ltd | Kambalda Nickel Operations, Western Australia

- Conceptualised and implemented organizational and workflow changes that led to a sustained **270% increase in mine productivity** with no associated changes to labour costs in a heavily unionized environment.
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Ore Mining Optimisation // 1993-1994

WMC Resources Ltd | Kambalda Nickel Operations, Western Australia

- Conceptualised and lead a multi-disciplinary team to develop a modified underground loading system to maximize recovery of broken ore in development and stopes.
- Conceptualised and lead a multi-disciplinary team to develop a modified single-boom jumbo system for ore development and cut and fill stoping. The initiative resulted in increased effectiveness of ground support and a 40% reduction in ore dilution and pollution to environment - Australian first which was adopted into future equipment design by Atlas Copco.
- Designed one of Australia 1st electric truck haulage mine (Otter-Juan Mine) with business trip to Sweden in 1993.

Change of Western Australian Mines Legislation // 1989-1992

Department of Minerals and Energy | Karratha/Kalgoorlie, Western Australia

- Member of Western Australian Chamber of Mines Committee to introduce and successfully establish mines rescue system on metalliferous mines in WA – appointed by Mr. Jim Torlach WA State Mining Engineer.
- Together with Dr Chris Swindells - Head of WA Department of Minerals and Energy Geological & Survey Division, introduced fundamental changes to WA Mine Legislation for open pit mining design and governmental approvals to ensure wall stability and flood protection.