

## **INFORMATION TO OBTAIN FEEDBACK**

The report has been put together by Dominic Posavec and the CV in summary is attached below. As you can imagine it is difficult to get feedback from people on sites and main reliance has been with direct contact by phone and at meetings. I used many methods to achieve the results for the report and these are listed below

1. Mine Engineering Safety Seminar held in Sydney for two days (26<sup>th</sup> and the 27<sup>th</sup> of September, 2018). This seminar had over 200 Mechanical Engineers including Mine Mechanical Inspectors (NSW and QLD). The personnel ranged from Underground coal, Open Cut Industry, Quarries and Hard Rock industry. Discussions took place in an informal way during the two days by asking opinions of different people about the differences of 8 strand to a nine strand rope. This information then was gathered and placed in the report. I will list the names of people that discussions took place with and company they represent below.
2. MEMMES meetings (two off now) 18/09/2018 and 16/10/2018 where discussions took place with different members on an informal way.
3. Direct phone calls to installers and suppliers of wire ropes that have been doing this type of work for over 40 years in some cases
4. Company that does NDT testing of open cut and underground plant and equipment dealing with structural damage.
5. Direct discussions with Mine Mechanical Inspectors that investigate accidents and incidents at all NSW mine sites including quarries.
6. My own experience working with wire ropes, inspections, NDT testing and accident investigations.

Personnel contacted and discussed the rope design with

NAME	COMPANY	EXPERIENCE
Dominic Posavec	Director – Dom’s Operational Management Solutions	40 years of mining experience as per report.
██████████	Manager – Mining division - ██████████	23 years’ experience in rope inspections and installations in the mining industry. Open cut and underground.
██████████	Sales Manager - ██████████	Over 40 years of mining and rope experience. Open cut and underground.
██████████	Sales and Marketing - ██████████	Main experience in underground wire ropes.
██████████	Sales and Marketing – ██████████	Main experience in open cut mining ropes
██████████	Mines Inspector – Based in Maitland NSW	36 years of open cut and underground mining experience. Currently Inspector for open cut mines.
██████████	Engineering Manager - ██████████	37 years of mining experience- tunnelling/ underground and open cut.
██████████	Manager of Mechanical Engineering - ██████████	36 years of open cut and underground mining experience including shaft and drift winders

██████████	Manager of Mechanical Engineering. ██████████	34 years mining experience – very experienced with winding systems.
██████████	CEO - ██████████	11 years on mining experience, open cut and underground. NDT testing and Inspections of plant and equipment.
██████████	Manager of Mechanical Engineering – ██████████ – Southern Districts	35 years of mining experience open cut and underground. Very experienced with winders and friction winders.
██████████	Engineering Manager – ██████████	14 years open cut experience
██████████	Manager of Mechanical Engineering	41 years of mining experience, mainly underground with some open cut experience.
██████████	Leading hand fitter – winding system inspections	38 years of mining experience on winding and shaft systems.
Others	General discussions	

**PERSONAL INFORMATION OF DOMINIC POSAVEC**

*I am currently the MEMMES Senior Vice President of the association and have completed this and other report.*

**EDUCATIONAL QUALIFICATIONS**

- 2014    **DIPLOMA IN GOVERNMENT INVESTIGATIONS**
- 2011    **WHS HARMONISATION AND DUE DILIGENCE**
- 2005    **CERTIFICATE IV IN TRAINING AND ASSESSMENT**
- 2004    **NEWCASTLE UNIVERSITY CAMPUS -BACHELOR OF OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT**
- 1990    **MINE MECHANICAL ENGINEERING CERTIFICATE OF COMPETENCY**
- 1988    **COLLIERY MECHANICAL ENGINEERING CERTIFICATE**
- 1984    **AUTOMOTIVE ENGINEERING DIESEL POST TRADE COURSE**
- 1984    **INDUSTRIAL HYDRAULICS**
- 1987    **MECHANICAL ENGINEERING CERTIFICATE COURSE**
- 1980    **FITTING AND MACHINING TRADE COURSE**
- 1977    **COMPLETED YEAR 12**

**TRAINING AND DEVELOPMENT COURSES**

- 2018    **First Aid Course**
- 2015    **SIL/CAT assessment course**
- 2014    **NATA accreditation course for RSF inspections**

- 2012 Explosion protected DES Maintenance. Registered Person (RP)
- 2011 Diesel Engine system CMRA regulations
- 2009 Maintenance (Group 1) Electrical protection EXd, EXi, EXm, EXb.
- 2008 Fire Awareness and extinguisher Training
- 2005 Safety Related Parts of Fluid Control Systems
- 2002 Contract Management course
- 2002 Root Cause Analysis
- 2001 Emergency Escape Management System
- 2001 Workcover Workplace substances
- 2001 Workplace Risk Assessment and Control
- 2000 Environmental Awareness Training
- 1999 Workplace Hazard Identification and Control
- 1999 Winder Rope Maintenance
- 1998 SAFE Supervisor Training
- 1998 Workplace Safety Committees
- 1997 Workplace Trainer Category 1
- 1997 Workplace Assessment skills
- 1995 Maintenance Planners Course
- 1990 Safe Use of Oxy-acetylene and Electric welding equipment

## EMPLOYMENT HISTORY

May, 2013 to now

### DIRECTOR

Owner and Operator of Dom's Operational Management Solutions Pty Ltd providing consultation work to the Mining Industry in Engineering and design, Training, New Mine Project Management, System reviews, Relief Mine site Engineer, Management Plan reviews and Work Health and Safety issues.

Recently worked as a Manager of Mechanical Engineering full time for Moolarben open cut for 26 months. This included overseeing repair and maintenance of open cut plant equipment. Later switched to Moolarben underground for about 6 months. Involved with installation of new conveyor systems both open cut and underground, workshops, supply lines, longwall equipment, CHPP extension, new ventilation fan, telecommunication tower, power supply, project management, surface infrastructure such as refuelling stations and new water pumping system both in and out of the mines.

As part of the business I worked as a Mine Mechanical Inspector of Open Cut, Quarries and Underground coal mines in the Hunter region on a casual basis for over 4 years which gave me the experience in drag lines and shovel operations.

**August, 2012 to May, 2013**

**GROUP ENGINEERING MANAGER DIVERSIFIED MINING SERVICES (Now PPK)**

- Supervise and lead up to eleven Engineering team members to support the Engineering aspects associated with the COALTRAM Load Haul Dump vehicle which included NSW and QLD approvals, Investigations, report writing, new designs, development of parts, training and service manuals.
- Support fabrication and production lines for the new build section of the COALTRAM product.
- Quality assurance Manager was also part of my role with Quality personnel in different divisions reporting directly to me.
- Process improvements, design changes, drawing updates, compliance updates
- Assist aftermarket personnel in trouble shooting and system fault analysis.
- Research and Development of new design products.

**July 2005 – August, 2012**

**NSW GENERAL MANAGER DIVERSIFIED MINING SERVICES**

**Responsibilities and experience gained**

- Day to day management of different divisions within the company. This includes Engineering, Design, Compliance, WHS, Quality systems, Hire equipment, Repair workshops which include Mechanical, Electrical and Fabrication and was the lead Engineer in the design and compliance of the world first electronic control engine system approved for use in underground mines for our COALTRAM Load Haul Dump product.
- Enforcement of new laws, development of management plans, company policies and enforcement of statutory requirements under the WHS Act and Regulations
- Training of supervisors and personnel in WHS, management techniques, hydraulics, schematics both hydraulic and pneumatic, code D compliances, manual handling and Quality Assurance.
- Oversee day to day NSW company operations and report directly to Chief Operating Officer, Managing Director and Company Directors.
- Develop business plans, budgets and planning
- Financial controls - Debtors, Capital, Operational costs, and Management reports.
- Carry out and facilitate all forms of Risk Assessments (RA) and Failure Modes and Effects Analysis (FMEA's) for the Engineering division.
- Human Resource management
- Environmental compliances and introductions
- Maintenance scheduling
- Liaise with local and overseas companies about Engineering, design, safety and new developments

**August 1998 – July 2005**

• **MANAGER OF MECHANICAL ENGINEERING**

**Responsibilities**

- Establish and enforce standards of Mechanical Engineering practices for the mine which included CHPP, surface infrastructure including rail/road loading systems, underground transport systems and other associated winder and conveyor systems.
- Implement performance and quality management techniques to develop a culture consistent with company policies.
- Implementation of all rules and schemes made or prepared under the Coal Mines Regulation and Act in respect of the mine
- Implementation of the WHS aspect of the business
- Oversee and develop all maintenance, engineering and maintenance plans at the mine
- Oversee, review and approve supply contracts for Capital equipment purchase and Maintenance personnel.
- Responsible for maintenance contractors on site

- Be in control of high risk activities and equipment such as main ventilation fans, mobile plant, longwalls, shaft and drift winders and development panels.
- Oversee training and development needs of maintenance employees
- Provide appropriate guidance, direction and leadership to employees

**June 1992 – August 1998**

**MECHANICAL/ MAINTENANCE ENGINEER (PERMANENT NIGHT SHIFT)**

**Responsibilities**

- Supervise key maintenance personnel for the shift and keep abreast of changes in legislation and decisions in regards to company policies and maintenance needs of the company.
- Oversee the full mine operations at the mine on the shift which included the Coal Handling Preparation Plant, mine winding systems and complete production and delivery system out of the mine
- Compliance to set standards and guidelines that fall under the Coal Mines Regulation and WHS Act
- Deliver efficient and reliable equipment and ensure consistent and safe equipment for production
- Provide feedback to both senior management and maintenance personnel
- Provide maintenance personnel with up to date information and publications in regards to their work scope
- Prepare maintenance reports and preventive maintenance schedules

**September 1982 – June 1992**

**MAINTENANCE FITTER (UNDERGROUND/ CHPP and SURFACE OPERATIONS)**

**Responsibilities**

- Oversee maintenance tasks in the underground production sections including development and longwall. This includes longwall installations and recovery.
- Supervise apprentices
- Maintain applicable parts and order equipment and parts for next maintenance day.
- Maintain drift winders, conveyors, production equipment, main ventilation and section fans, upcast winder shafts, pumps, mobile diesel plants and all services such as water/air.
- Maintenance of CHPP equipment during break downs and major overhauls
- Fault finding and diagnosis

**January 1978 – September 1982**

**APPRENTICE FITTER AND TURNER**

**PROFESSIONAL ATTRIBUTES**

**Supervisory Skills**

- I have experience in direct supervision from mentoring one on one to overseeing approximately 380 employees being the Manager of Mechanical Engineering holding a statutory role and as a General Manager of operations with close to 700 employees in NSW and QLD. Progressed Diversified Mining Services from a small operation in NSW to a very efficient large organization that has been proven to be a major player in the mining industry in the Hunter, Western districts and South Coast regions of NSW. (Now PPK)

**Achievements**

- One of only 3 people in 2004 to obtain a Merit Level pass in Occupational Health, Safety and Environment (OHS&E) at Newcastle University.

- Wrote the original MDG 41 (Hydraulic High pressure Standard for mining Industry) and improved by Mineral Resources to the current version in industry.
- Involved in development and reviews of Standards, Guidelines and processes in mining industry including AS 4024 series, MDG 15, MDG 29, MDG 33, MDG 35, MDG 39 and MDG 41. Currently on Australian standard review of AS/NZS 3584 series.
- Best result in the final stage of an engineering trade course by a student who is employed by a mining company (1981).
- 1<sup>ST</sup> Stage 4 – 1987 Mechanical Engineering Certificate Course
- Highest pass in the state for Mechanical Engineering (Thermal Engineering)
- Best overall student in Mechanical Engineering
- Carried the Olympic torch in one of the relays in the Newcastle area in 2000
- Involved with a team of eight people to develop a state of the art Load Haul Dump Coaltram vehicle for underground use that involved huge amount of time and dedication.

#### **Communication Skills**

- Communication within and between departments' enables tasks to be completed effectively and efficiently. My strengths are in the clarity of instructions and willingness to give feedback.
- Continual connection and feedback with industry Engineers and Managers to improve working relationships and ensure the products we currently deliver meet the needs and the specifications of the customers.
- Able to effectively communicate with all levels of management structures

#### **Budgetary Skills**

- I am responsible for the setting and management of a budget. This involves the planning, organising and controlling of funds between numerous accounts.

#### **Marketing skills**

- Investigate market opportunities, travel to possible market areas and countries and develop working relationships with future customers.

#### **Mineral Resources Department**

- Well respected throughout the mining industry and the inspectorate in regards to legislation skills and understanding of the laws required for mining industry