

REINHARD EPM

Engineering | Projects | Management

ROD REINHARD | PROJECT MANAGER | ELECTRICAL ENGINEER

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REINHARD EPM CAPABILITY

I am a professional Engineer and Manager with 39 years experience in mining, steel and heavy industry. My career has included extensive exposure in operational, project and consulting environments enabling me to develop a very broad and transportable skill set.

In 2019 I formed Reinhard EPM Pty Ltd to provide clients with highly skilled and effective professional Engineering, Project and Management support including:

- Client-side representation through all project phases
- Capex and Opex budget preparation and management
- Conceptual design, optioneering and project business case justifications
- Stakeholder engagement and communications including statutory, corporate and community groups
- Risk identification, assessment and mitigation
- Developing work scopes, designs and specifications. Tendering and tender evaluation.
- Project and contract management to deliver projects to agreed time, cost and quality targets
- Water reticulation and treatment including membrane filtration systems and brine management
- Dewatering and ventilation borehole and shaft construction
- Electrical Engineering technical and statutory support
- High and low voltage distribution including power monitoring and energy management
- Technical and legislative investigations and audits. Document development and review
- Developing and implementing business strategies and balanced plans to deliver focused targets
- Recruitment, performance management and industrial relations
- Visible and Ethical Leadership and mentoring personnel at various levels

QUALIFICATIONS

Bachelor of Electrical Engineering (Hons) - University of Newcastle (1992)

NSW Open Cut Mine Electrical Engineer's Certificate of Competency (No. 59)

NSW Qualified Supervisors Certificate – Electrical (No 19872S)

PROFESSIONAL AFFILIATIONS

Member Engineers Australia (MIEAust)

Graduate Member Australian Institute of Company Directors (GAICD)

Mine Electrical & Mine Mechanical Engineers Society (MEMMES)

CAREER HISTORY

<p>Oct 2023 – Aug 2025</p>	<p>Malabar Resources - Maxwell Underground Mine Project Manager (Reinhard EPM)</p> <p>Provide project management for construction of the Woodlands Hill Main Mine Ventilation Shaft and new Ventilation Fans including:</p> <ul style="list-style-type: none"> • Tender assessment and contract preparation for blind bored shaft • Tender assessment and contract preparation for and supply and installation of 2 x new ventilation fans • Construction of shaft pre-sink and blind bore rig foundations • Construction of a 145m deep x 5.0m finished diameter steel lined ventilation • Construction of new rapid seal, shaft top bend, 1350kW centrifugal vent fan, ducting and horizontal discharge evase • Construction of a new switchroom including 2 x 11/6.6kV, 2000kW VSDs • Site installation and commissioning of all mechanical and electrical components
<p>Oct 2023 – Aug 2025</p>	<p>Glencore Coal – Ulan West Underground Mine Technical Consultant (Reinhard EPM)</p> <p>Provide technical consulting services for the design and construction of LW08 End of Block Ventilation Facility including:</p> <ul style="list-style-type: none"> • Scope of Work and RFQ for site for civil site works • Scope of work for mechanical supply inc new RSD, STB, Radial Vane Control, and overhaul of an existing fan • Tender and contract preparation for a 175m deep x 3.0m ϕ raise bore shaft • Design development and review for a combined ventilation, services and egress liner • Tender and contract preparation for liner supply and installation • Scope of Work and RFQ for site mechanical installation package • Review of supplier QA packages for various work packages • Develop overall site commissioning plan
<p>Jan 2022 – Dec 2023</p>	<p>Peabody Energy – Wambo Underground Mine Project Manager (Reinhard EPM)</p> <p>Provide project management of MG21 Ventilation Shaft and fan relocation including:</p> <ul style="list-style-type: none"> • Civil works to upgrade access roads and construct drilling hardstand • Tender and contract preparation for raise bore shaft and relocation of an existing fan • Construction of an 11m deep x 3.7m ϕ concrete monopile to stabilize alluvial strata • Construction of a 60m deep x 2.5m finished diameter steel lined ventilation shaft • Construction of new fan and substation concrete foundations • Overhaul and relocation of an existing centrifugal ventilation fan • Overhaul and relocation of an existing electrical substation • 11kV OHPL extension

<p>Sep 2020 – Feb 2022</p>	<p>Glencore Coal – Ulan Underground Mine Project Manager & Technical Consultant (Reinhard EPM)</p> <p>Provide project management and technical support for 83CT 11kV longwall supply and MG31 Dewatering Installation including:</p> <ul style="list-style-type: none"> • FEL phase: Determine site requirements, develop scopes and specifications for tender • Execution Phase: Project and contract management, site supervision, reporting • Coordinate and assess power systems load flow and AFC starting studies • 2km x 66kV and 3.5km x 11kV aerial extensions. 2km 2 x 400mm HDPE pipeline ext. • 1 x 250mm diameter, 260m deep steel cased longwall services borehole • Supply and install 11kV SPS borehole cable. Relocate 15MVA 66/11kV substation • 4 x 500mm diameter, 360m deep steel cased dewatering boreholes • Submersible pump assessment and selection
<p>Nov 2019 – Jan 2021</p>	<p>Whitehaven Coal – Maules Creek Mine Infrastructure Project Manager (Reinhard EPM)</p> <p>Provide project management and capital budgeting support to the Mine including:</p> <ul style="list-style-type: none"> • Water Security Project: Fast tracked delivery of 10km buried pipeline + infrastructure • Clean Water Diversion including catchment dam, pumping and discharge pipeline • High Wall Dam Clean Water Diversion feasibility study • Life of Mine MIA options analysis, re-estimation and capital justification • Coach and mentor project personnel while overseeing multiple minor capital projects
<p>Aug 2019 – Nov 2019</p>	<p>Whitehaven Coal – Gunnedah Operations Statutory Mine Electrical Engineer (Reinhard EPM)</p> <p>Provide statutory electrical engineering support for Gunnedah Open Cut Operations including Tarrawonga, Werris Crk, Sunnyside and Rocglen Mine and Gunnedah CHPP.</p>
<p>Jan 2012 – Jul 2019</p>	<p>Glencore Coal / Xstrata Coal – Ulan Coal Mines Limited Major Projects Manager</p> <p>Responsible for the identification, justification and delivery of major infrastructure projects across the Ulan Coal Complex. \$100M+ capital budget with projects including:</p> <ul style="list-style-type: none"> • MCC and PLC upgrades across the CHPP and associated surface infrastructure (\$17M) • Additional Ultra Filtration/ Reverse Osmosis Water Treatment Facility (\$32M) • Ulan West Main Vent Shaft 2 including 66/11kV reticulation and access roads (\$20M) • Ulan West Longwall 6 ventilation and dewatering installations (\$13M) • Numerous high volume seam to surface mine dewatering installations (\$20M+) • Numerous road & civil constructions, HV aerial extensions, HDPE pipeline installations • Scoped, tendered and negotiated labour services and other key operations contracts • Stewarded corporate cost reduction / margin improvement programs and ongoing business development processes and initiatives

<p>Jul 2008 – Dec 2011</p>	<p>Xstrata Coal NSW – Ulan Surface Operations Operations Manager</p> <p>Transitioned the site from a contract open cut operation to owner operated introducing operator/maintainer teams and individual contracts. Subsequently lead a team of 80+ permanent and contract personnel to process and rail up to 7Mtpa product coal in a 24/7/365 operation.</p> <ul style="list-style-type: none"> • Responsible for operations, coal quality, maintenance, HSEC, HR and capital projects • \$23M pa Opex budget, \$90M LOM Capex budget • Notable safety record of only 2 recordable injuries in a 3.5 year period (1 x LTI, 1 x RWI, period TRIFR=3.04)
<p>Mar 2005 – Jun 2008</p>	<p>Downer EDI Mining – Ulan Surface Operations Mine Electrical Engineer</p> <p>Statutory Electrical Engineer for Open Cut and CHPP. Responsible for electrical safety, maintenance, compliance and operational support for all equipment including dragline, electric trucks, conveyors, CHPP, crushing plant and yard machines.</p>
<p>Mar 2004 – Mar 2005</p>	<p>Anglo Coal - Grasree Management (Middlemount) Electrical Engineering Manager</p> <p>Statutory Electrical Engineer for a new underground mine comprising 2 x development panels, personnel and materials winders and conveyor systems. Electrical engineering support for continued mine construction and equipment supply including gas drainage plant, third egress shaft and conveyance, backup 11kV generator and longwall tender.</p>
<p>Mar 2003 – Mar 2004</p>	<p>Anglo Coal - Capcoal Management (Middlemount) Senior Electrical Maintenance Engineer – Central Colliery</p> <p>Responsible for maintenance and operations support of established underground mine comprising longwall, 2 x development panels, conveyors, diesel equipment, ventilation fans, gas monitoring and both goaf and in-seam gas drainage.</p>
<p>Apr 2002 – Feb 2003</p>	<p>NIS Pty Ltd (Singleton) Contract Electrical Engineer – Warkworth CHPP</p> <p>Electrical engineering technical support for CHPP, BDT plant and associated raw and clean coal handling systems. Managed a program for rectification of equipment compliance defects and implementation of isolation lockout facilities.</p>
<p>Oct 2001 – Mar 2002</p>	<p>Worley Limited (Singleton) Principal Engineer</p> <p>Managed delivery of multidisciplinary consulting engineering services in the Hunter Valley. Specific projects included power systems studies for various Sydney Water sewerage treatment plants and an assessment of SCADA upgrade options for Mt Thorley CHPP.</p>

Jan 1998 – Jan 2001	TYP Pty Ltd / Worley Limited (Mackay) Senior Electrical Engineer / Branch Manager Lead a team to establish a new consultancy branch and provide electrical engineering consulting services throughout Central QLD. Projects included PLC and SCADA control systems upgrades, mine gas drainage installations and a main ventilation fan relocation.
Sept 1996 – Jan 1998	TYP Pty Ltd (Newcastle) Senior Electrical Engineer Designed, commissioned and supported multiple longwall PLC and SCADA installations throughout NSW and QLD.
Dec 1992 – Sep 1996	BHP Rod & Bar Products Division (Newcastle) Plant Electrical Engineer No 2 Bloom Mill Roughing and Finishing Mill and Flying Shear control system upgrades
Jan 1986 – Dec 1992	BHP Rod & Bar Products Division (Newcastle) Trainee Electrical Engineer – 7 year program comprising part-time university with full time work under the guidance of numerous qualified engineers.