



# LEAD ASSET MANAGEMENT

**Coaching and Consultancy for Optimal  
Asset Management Practices**

**CAPABILITY STATEMENT 2024**

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# Our Mission

At Lead Asset Management (LAM) our mission is to help clients develop effective asset management solutions by:

- optimising assets and resources,
- reducing operational and maintenance risks and costs, and
- achieving desired benchmarks and results.

Based in Western Australia, we specialise in the following areas:



## Asset Operation and Maintenance

We assess your assets and resources using our LAM Asset Management Framework and determine areas for improvement so they can be operating at the expected level and have the maintenance required for optimal performance.



## Compliance

We assess your assets to determine if they are operated and maintained according to current Australian Standards. If and to the extent assets are at risk, we assist you to close the gaps and progressively achieve compliance.



## Operational Readiness

We assist you in developing detailed Operational Readiness plans and ensure new and upgraded assets achieve a smooth and seamless transition from project to operations.



## Workplace Safety

Reviewing your operational and maintenance practices, we identify areas of highest exposure in your workplace and work with you to validate opportunities and effectively improve safety performance.



## Our Expertise



LAM offers **comprehensive asset management services** predominately **in mining and resources**.

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LAM has **extensive knowledge of and experience in asset management**, working with **some of Australia's LARGEST companies** and other listed and private companies **across multiple countries, businesses, operational sites and departments**.

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LAM takes a **leading role in assigned projects** so our clients' management and operational teams can **focus on critical strategic and business matters** and be confident in the approach adopted for their asset management needs.



# Our Approach

We have a proven tested approach that efficiently addresses your needs, which we briefly summarise as follows:



## Engagement

To fully understand what you need assistance with and your preferred outcomes, we develop an engagement model with you.

## Assessment

To determine the best way forward, we conduct a comprehensive review to assess the performance of your assets, systems, processes, and technology solutions against industry benchmarks. This builds a compelling business case for development, improvement, prevention or optimisation.



## Partnership

We partner with you to develop practical solutions tailored to your needs and outcomes.

## Test & Apply

We verify whether the proposed solution will work as expected and develop a plan to ensure a smooth and seamless transition from development or project to business as usual.



## Coaching

Finally, we coach and train your people on the solutions we implement so if similar issues arise in the future, your team will have the knowledge and confidence to solve them.

# Why Choose Us?



## We Work in Partnership with our Clients

LAM works collaboratively with our clients to design and implement practical and tailored solutions over the duration of the project and whilst in maintenance and operation. We do not ever provide generic advice and leave it to you to implement.



## Reduction in Operational Risks, Losses and Maintenance Costs

LAM works with your maintenance and production teams to minimise compliance and safety risks, reduce operational losses and asset maintenance costs.



## In-Depth Knowledge and Experience

LAM team members have an in-depth understanding of our clients operations, industry standards and procedures and therefore efficiently develop and implement asset management solutions based on extensive knowledge and experience across multiple sites.



## Specialist Skill Set

LAM team members provide a perfect balance of specialist skills to deliver value to our clients, with expertise in coaching and training, maintenance and engineering, operational readiness and project management, and improvement opportunity definition and implementation. Our team is available to temporarily backfill specialist roles in maintenance reliability, maintenance execution, planning, work management.



## LAM Resources are Flexible

LAM team members are embedded within our clients' teams and are flexible in working at the same cadence as our clients, or having to speed up, slow down or pause as required. This flexibility saves our clients the cost of having permanent or contract resources. Multiple work streams can also happen concurrently to accommodate our clients' operational needs.



## Best Practice Framework

LAM has developed a best practice, comprehensive LAM Asset Management Framework to assess your maintenance practices and performance, which is based on ISO 55001:2014 and tested from our years in the industry.

LAM team members also have deep knowledge and experience in developing detailed Operational Readiness plans to ensure new and upgraded assets achieve a seamless transition from project to operations.



## Accelerated Training and Coaching to Team Members

LAM's in-depth knowledge and experience in mining and resources underpin their successful asset management training and coaching to client team members which accelerate their business efficiencies and improve outcomes.



## Extensive Network of Contacts and Resources

LAM has access to an extensive network of industry contacts and resources that compliments the expertise of our team and informs our recommendations for courses of action, assisting our clients to achieve business objectives in asset management.

# Our Services



## ASSET MANAGEMENT ASSESSMENTS

LAM conducts comprehensive reviews to assess the performance of assets, systems, processes and technology against industry benchmarks. These reviews determine effective ways forward and inform the creation of compelling business cases for development, improvement or optimisation.

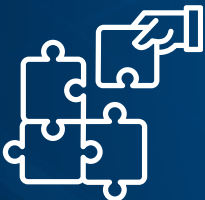
## MAINTENANCE STRATEGIES OPTIMISATION



Having appropriate preventative and corrective maintenance strategies can avoid costly and unexpected operational losses and are best practice in all maintenance organisations.

LAM can assess and optimise existing preventative and corrective maintenance strategies, with a focus in either asset reliability, plant availability, maintenance cost, safety or material risk.

LAM has extensive knowledge of material (or catastrophic) risks and can identify and rectify material risk related gaps in maintenance strategies, minimising risk to the operations.



## PROBLEM SOLVING AND ROOT CAUSE ANALYSIS

Maintenance and production teams often 'solve' operational and maintenance problems only to find the problem reappears. LAM can perform Root Cause Analysis with the client's teams to identify and implement solutions that eliminate future re-occurrence.

## OPERATIONAL READINESS

Operational Readiness is often overlooked in businesses and consultancy projects, and chasing vendors for documents and knowledge is detrimental to effective outcomes.



LAM works with our clients to ensure all relevant documents (e.g., drawings, manuals, spares list, commissioning parameters, knowledge transfers) are put in the clients' hands to effectively operate and maintain new or upgraded assets and ensure seamless transition from project to operations.

LAM also has extensive knowledge of SAP related processes and systems for efficient master data management and robust knowledge of fixed plant and non-process infrastructure. This allows LAM team members to work with the client to develop or adjust the required master data (Functional Locations, preventive and corrective strategies, work instructions, bill of materials), catalogue spare parts and perform asset and spare criticality assessments to minimise operational risks.



# Our Services



## PROJECT MANAGEMENT

LAM has a proven track record of maximising quality and delivering projects on time and within budget and sees this as a critical aspect of its approach to holistic client service.

Our team members' deep expertise in reliability, mechanical, electrical and engineering projects ensures consistent, quality outcomes on all projects that may be re-engineered and replicated as necessary.



## ASSET MANAGEMENT COACHING & TRAINING

LAM team members coach and train clients on the solutions we implement, so your team has the confidence and knowledge to resolve any similar problem in future.

Our team is happy to provide asset management coaching and training at all levels in your organisation, including production and maintenance managers, superintendents, engineers, supervisors, coordinators, maintainers, and operators.



## OPERATIONAL SUPPORT FOR ASSET MANAGEMENT ROLES

Whether you have a vacancy or a person on leave in your team, LAM team members could easily temporarily fill an asset management related position, at manager, superintendent or specialist level. This includes but is not limited to Reliability, Maintenance Execution, Work Management, Planning.



## PROCESS ENGINEERING

Our LAM Process Engineering resources can identify site production issues and their root causes. This produces an optimised performance of your processing plant, minimising operational losses and maximising the utilisation of your assets.

# Recent Projects

## Operational Readiness

### Major Projects

LAM resources were engaged on two major projects to complete the Operational Readiness activities for construction of two major iron ore plants that collectively produce over 100 million tons of iron ore per annum.

### Site Engineering Projects

LAM was engaged to complete Operational Readiness activities for several site engineering projects, e.g. new water transfer pumping station, new motor control centre (MCC), new thickener system.

*LAM worked with the client on the following Operational Readiness activities:*

#### **Asset Criticality Assessment**

Prioritising assets based on risk and aligning maintenance effort with business drivers.

#### **Maintenance Strategies**

Developing preventative and corrective maintenance strategies to minimise unexpected failures and impact of high-risk maintenance activities.

#### **Preventive and Corrective Work Instructions**

Producing clear and practical work instructions and embedding them in the maintenance strategies.

#### **Spare Parts**

Identifying spare parts, cataloguing requirements and establishing optimum stocking levels.

#### **Bill of Materials**

Compiling a list of materials, components and systems in SAP to facilitate the maintenance planning activities.

#### **Legal Compliance Registers**

Constructing the required registers (e.g. Classified Plant, Anchor Point, Confined Space) to assist the client to comply with legal obligations and ensure alignment with maintenance strategies.

#### **Training Needs Analysis**

Identifying training needs (as required) for the client's business operations.



# Recent Projects

## *Audit of Material Risk Related Strategies*

Managing and eliminating safety risks (where possible) is a priority in the client's business to reduce catastrophic risks and prevent injuries and fatalities.

LAM was engaged to review all critical control verification and critical control execution strategies associated with the operation's Material Risks, that include classified plant, fall from heights, confined space, fire, dropped objects, electrocution, arc flash and others.

LAM worked with 50 Critical Control Owners and Reliability teams to identify and close gaps, agree on actions, update deliverables and coach key personnel on material risk management.

## **Audit of Classified Plant Strategies in Mining Equipment Maintenance (MEM)**

LAM was engaged to conduct an audit of classified plant strategies and worked with the client to close gaps and ensure alignment with client's standards and procedures.

LAM personnel coached and trained the client's team members on solutions implemented so they have the expertise to resolve future problems.

# Recent Projects

## Maintenance and Engineering Centre of Excellence

A LAM resource is temporarily backfilling a Principal role in the client's Maintenance and Engineering Centre of Excellence.

## Training and Support to Reliability Engineers

The client recently opened a new major iron ore plant and assembled a diverse team of Reliability Engineers to manage the plant's ongoing operations.

Due to the plant's infancy and expected high number of failures, the client's team was struggling to troubleshoot and manage the influx of problems.

LAM provided asset management training and coaching to Reliability team members to accelerate their knowledge of plant equipment, reliability principles and learn how to rapidly respond to problems.

LAM resources continue to support the client and proactively identify plant improvement opportunities to prevent future failures.

# Recent Projects

## Cataloguing and Stocking of Spare Parts

The client is developing a new lithium concentrator plant. LAM was engaged to identify and catalogue all spare parts for the concentrator plant and provide input for their stocking strategies.

## Work Management Master Data Support

LAM was engaged to help the client implement access profiles in their Enterprise Resource Planning (ERP) system for different groups of users.

This involved the review of work management processes as well as key master data parameters and rules.

## Fixed Plant Maintenance Strategies Optimisation and Master Data Support

Periodically, the client requests LAM to respond to problems, implement improvements and optimise maintenance strategies and master data in general due to their approachability, expertise and responsiveness.



# Our Team



## Daniel Rivera

Asset Management Coach

Daniel brings over 25 years of experience in Asset Management across the mining and oil & gas industries in Australia, Canada, and Peru. He is an accomplished coach, mentor, and trainer, adept at delivering sustainable value through Asset Management, Maintenance, and Business Improvement functions. Daniel has a proven track record of implementing and enhancing processes and practices related to Asset Management, Maintenance Reliability, and Maintenance Planning, driving substantial business value.



## Antonio Napolitano

Senior Asset Management Specialist

With over 15 years of experience as an asset management professional and electrical engineer, Antonio excels in collaborating with diverse stakeholders to identify strategic improvement initiatives and deliver sustainable solutions. Through a focus on workforce engagement and system simplification, he thrives on optimising the implementation of effective asset management practices within the mining industry.



## Zvon Knezovic

Senior Asset Management Specialist

With 10+ years' experience in Asset Management in the mining industry in Australia, Zvon has a sound understanding of delivering value in the Maintenance Reliability and Project Execution functions. His strong communication skills and technical knowledge assist him in engaging and influencing stakeholders at multiple levels of the company. Practical skills are supported by a Bachelor of Engineering (Mechanical) degree with Honours from Curtin University in Western Australia.



## David Zapata

Asset Management Specialist

Mechanical Engineer with 15+ years of multicultural experience in several industries and different areas like design, procurement and maintenance of complex equipment. With a strong asset management experience in the Australian aircraft industry, David has a sound understanding of root-cause analysis, continuous improvement, and data analytics. His relevant experience in Supply Chain, Procurement, Quality Assurance and Repair Coordination also gives him the ability to view challenging situations from different angles to find practical solutions.

# Our Team



## Darin Wood

Asset Management Specialist

Formerly an SAP Maintenance Consultant for over 9 years and with previous 17 years' experience in Power Generation, Darin has provided asset management support across the Power Generation and Mining industries. He is passionate about delivering quality and improving the knowledge, skills and efficiency of the business. This experience has developed in Darin a deep knowledge of Work Management Processes and system transactions utilised by BHP and CS Energy.



## Paola Demberger

Asset Management Specialist

Paola is a highly motivated and experienced Commercial & Data Analyst with 10+ years of valuable experience in data science, people management, in the resource and engineering industries, committed to high standards, teamwork and continuous improvement. Her strong analytical, problem-solving and data management skills are supported by a bachelor's degree in engineering (Industrial), Diploma in Logistics, Advanced Diploma in Business (Marketing) and master's degree in supply chain management.



## Richard White

Asset Management Specialist

With 15+ years' Asset Management experience in the mining industry in Australia and abroad, Richard has a sound understanding of delivering value in the Maintenance Reliability and Project Execution functions. His strong communication skills and broad technical knowledge assist him in engaging and influencing stakeholders at multiple levels of the company. Practical skills are supported by a Bachelor of Mechanical Engineering degree with Honours from RMIT University in Melbourne.



## Francis Dete

Asset Management Specialist

Francis has 15+ years' experience in Asset Management in the mining industry in Australia for mobile and fixed plant equipment, delivering value in the Maintenance Reliability and Project Execution functions. His strong communication skills and technical knowledge assist him in engaging and influencing stakeholders at multiple levels of the company. He has a Post-Graduate Diploma in Asset Maintenance Management from Central Queensland University.

# Our Team



## Kecheng Shen

Asset Management Specialist

Kecheng has 35+ years' experience in asset management in utilities, manufacturing, process industries and academia, and 10+ years in the mining industry in Australia. He has a sound understanding of delivering value in the reliability analysis and modelling, maintenance strategy, spare optimisation, asset management planning, auditing as well competence development. Practical skills are supported by a Bachelor of Engineering (mechanical) degree from Beijing Institute of Technology in China, licentiate (~ MSc) and PhD, both in reliability & safety engineering from Lund University in Sweden.



## Karen MacDonald

Asset Management Specialist

Karen has 15+ years' experience in Asset Management across the Oil & Gas, Energy and Mining sectors in Australia. She has a proven record of accomplishment in delivering value through Ops Readiness, SAP Master Data and Project Management functions. Karen also has a solid background in supporting site operations as well as training, coaching, and mentoring. Her attention to detail is what makes Karen stand out from others and she is driven to always perform her best. Her strong communication skills assist her in engaging and influencing stakeholders at multiple levels of the company.



## Isabela Silva

Asset Management Specialist

Isabela, a highly skilled professional with 6+ years of asset management and maintenance expertise, specialises in the Oil and Gas industry. Her focus is on enhancing maintenance reliability and preserving asset integrity. With a Mechanical Engineering degree and an MBA, Isabela combines technical proficiency with business acumen. She excels in strategic decision-making, project management, and leadership. Isabela's exceptional skills and commitment drive value and deliver exceptional results. Her holistic approach, innovation, and ability to navigate complex environments make her an invaluable asset in asset management and maintenance.



## Payam Lillo

Asset Management Process Lead Engineer

With over 12 years of experience in Fixed Plant Processing Asset Management in the mining industry in Australia, Payam has a sound understanding of delivering value in Process Performance Optimisation and Project Execution functions. He also has a broad range of experience both at the Mine In-feed and Supply Chain Outflow Interfaces.



# Our Team



## Gary Guo

Project Management Specialist

Gary is a dedicated and results-driven professional with over 17 years of extensive experience in Project Management, Electrical Engineering, and System Integration. Proven success in initiating and delivering sustained results for Fortune 500 firms across diverse industries, including power distribution, port machinery, railway, data centres and food sorting machinery. He is a demonstrated leader with the ability to guide multi-disciplinary and cross-functional teams, ensuring projects are executed on budget, on time, and within the defined scope of supply. He is passionate about leveraging expertise to drive successful project outcomes and contribute to organisational success.



## Mick Hanretty

Master Data Specialist

Mick possesses extensive expertise in Shutdown Management and Maintenance Execution within mining processing plants and refineries. He has demonstrated exceptional capability in working autonomously and establishing fruitful stakeholder relationships. As an SAP Specialist, Mick exhibits proficiency in conducting comprehensive reviews and enhancing Master Data. Moreover, he displays a remarkable technical aptitude and an unwavering enthusiasm for driving continuous improvement.



## Ruby Sader

Technical Writer

With over 15 years of experience working in the Mining and Construction industries, Ruby has had a variety of roles within Maintenance, Material Planning, Health, Safety and Environment, Document Control and Cost Control teams. She likes challenges, is a fast learner, reliable, works very well under pressure and has great attention to detail with excellent time management.



## Flor Rivera

Administration & Finance Officer

With formal education and experience in Coaching and Training, and with previous experience working in Oil & Gas, Mining and Chemical industries, Flor supports each one of the LAM team members and our clients in Administrative and Financial areas.



## CONTACT US

For expert asset management coaching and consultancy, contact **LEAD ASSET MANAGEMENT** today.

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