

# CAPABILITY STATEMENT

[www.mppiglobal.com](http://www.mppiglobal.com)



MPPIGlobal



# ABOUT MPPIGLOBAL

MPPGlobal originated from the diverse mining sector within Australia in 2010. We established ourselves as a market leader in developing digital solutions designed to drive increased revenue, productivity, efficiency, and support overall mine operational performance. Our specialties include the implementation of our mining software, coupled with our unique mix of deep domain knowledge within mining operations, business improvement, and the application of digital solutions.

Our expertise includes the implementation of digital solutions that discover hidden production capacity, efficiencies, and opportunities for mines to rapidly create a sustainable step change in production, revenue, and profit margins.

From our Centre of Excellence in Brisbane Australia, we support our global presence in solution design, implementation and 365-day software support. Our business is built around providing digital mining software, solutions, and services to the global mining market.

## Our Vision

**Our vision is to be the premier mining software and solutions provider to the global mining market. We will establish this through our dedication to innovation, customer service, our people, and our relentless approach to merging digital technology, mine operations capability and business improvement together into sustainable digital solutions.**

# THE WAY WE WORK



**We set the benchmark for mining assets productivity, efficiency, and production improvement through the capture, collection, and presentation of digital mining data.**

When it comes to mining software and services the mining industry promotes solutions with a cookie cutter approach, this often falls short of customer needs and expectation. At MPPGlobal our mantra is clear, if we cannot deliver value to a customer by way of meeting their requirements, expectations, and delivering value, then we will not provide our services. This core belief underpins our success to date and continues to support our approach to the industry. We work collaboratively with our customers, forming part of the solution development and implementation team; our people are trained, experienced, and qualified. Our capability extends from understanding mining operations and the challenges that exist within them, to the implementation and design of software solutions to solve these challenges. Our projects are successful when we deliver to our customer's expectations, and to our own expectations encompassing quality, sustainability, and customer value for money.

# CENTRE OF EXCELLENCE

MPPGlobal's Centre of Excellence provides the foundation for global support, software development, testing, innovation development, project management, and mining solution design. Our team consist of multi-discipline engineers and specialists across software development and mining operations. These skills support our global partners, agents, regional offices, and customer's by providing the highest quality access to uniform, consistent, highly skilled Australian based engineers. Using ITIL compliant technology, innovation and improvement ideas are captured from end users, and feed into our products road map. Our Centre of Excellence team has the mandate and focus on delivering world class solutions to world class mining customers.

**OVER 15YRS  
PROVEN  
INDUSTRY  
KNOWLEDGE**



# OUR SERVICES

We offer a range of digital consulting services in the mining sector. We specialise in designing fully integrated digital solutions to help improve mining operations by implementing our unique Optimum Software platform. We are experts in the practical application of mining Overall Equipment Effectiveness (OEE), the Theory of Constraints and Asset Utilisation. Our services focus on design and deployment of digital solutions that significantly impact the production profile of both fixed and mobile assets. We offer the complete end-to-end digital project approach from original concept discussions centered on how to extract value with a digital solution. To scope study, solution design and proposal, through to execution including technical design, architecture establishment, configuration, testing, commissioning, training, change management and support.

## Services

- Mining OEE Implementation
- Asset Utilisation Implementation
- Optimum Implementation
- Benchmarking of multi assets
- General IT Consulting Services
- Digital Software Scoping Studies
- Project Management
- Optimum Software Training
- Constraints Solutions
- MES Implementation
- Change Management
- Architecture Design
- Software Integration
- Configuration & Testing
- Commissioning
- Software Support

# OUR SOFTWARE

Optimum Software is an innovative digital platform specifically designed to solve the challenges in mining minerals and metals operations. It contains modules that can work in isolation or on a bi-directionally integrated platform with customer systems. Optimum offers multiple language capability and a mix and match approach allowing the customer to only purchase the modules required for the solution. Each module has been built to solve a specific industry challenge including integrating key operational data, collating, capturing, visualising, contextualising, and disseminating information in a way that supports rapid sustainable improvement!



## OUR MODULES



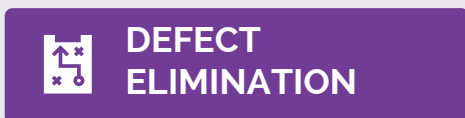
PRODUCTION OEE



ANALYTICS



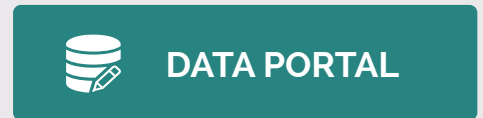
REPORTS



DEFECT ELIMINATION



DOWNTIME



DATA PORTAL



METAL ACCOUNTING



CPEM



INTERCONNECT



## PRODUCTION OEE

Production OEE is an advanced module designed specifically to maximise production from any asset group. Production OEE uses the “Theory of Constraints”, traditional OEE principles, and the production equation to capture improvement opportunities against maximum sustainable production rates (MSPR), unique to the mining sector. The module connects in real-time to any source system, capturing, classifying and prioritising losses across all disciplines that prevent your assets from achieving MSPR. Deep insight into what’s holding your operation back is instantly available from the time of Production OEE connection and improvement activities supported by data across Fixed or Mobile assets can start immediately.



## DEFECT ELIMINATION

The Defect Elimination Module is a high performance, high impact digitally integrated module that will change the way your operation performs. From management of simple actions to safety incident tracking, to Root Cause Analysis (RCA), and 5 Why investigations. Defect Elimination can be configured to capture events, rank their importance, apply a risk analysis matrix, and initiate management and tracking. Defect Elimination connects to modules and other software packages to initiate actions via the Optimum platform automatically, using pre-configured site business rules. Investigation owners are assigned in the system and can track and manage their actions and investigations directly within the module, including storage of photos, reports and technical documents in one central repository.



## METAL ACCOUNTING

Increased demand for corporate governance and more stringent regulatory requirements have created a need for many mines to improve metallurgical accounting processes and practices. Smart organisations are moving away from non-transparent, non-auditable excel spreadsheets or custom-built solutions as they move towards compliance to the **AMIRA P754** code. The Metal Accounting module provides a simple to use, easy to implement and compliant solution. The module is designed to convert your existing excel spreadsheet, or custom solution into a cost-effective commercially supported digital solution.

## ANALYTICS

The Analytics module provides deep insight with real-time visibility of production metrics, KPI's, trends and performance data that can be displayed and analysed on integrated Dashboards. Inputs from a single production unit, single operation or multiple operations can be combined for site management or corporate governance. Within the Analytics module detailed information can be managed in pivot tables displayed on high performance graphs and trends. The inbuilt analysis capability allows the user to manage all data analysis requirements within the platform. With full integration to all other operational data sources and systems. Analytics provides a comprehensive operational visualisation and analysis tool.

## DOWNTIME

The Downtime module supports asset Reliability, Availability and Utilisation improvement. The module connects to source systems in real-time, monitors the status and the performance of individual pieces of equipment or production units. Downtime or Slow Running events are created automatically by the module when assets are operating below target. Classifications and reason codes can be assigned manually, or automatically. Standard maintenance metrics are provided to help streamline and prioritise preventative and corrective maintenance activities and identify the Root Cause of equipment failure.

## CPEM

Critical Process & Equipment Management (CPEM) is designed to manage and identify variations and excursions of critical processes and equipment by monitoring parameters in real-time. Designed to detect losses and issues before they occur across the Mining, Minerals and Metals sector; CPEM provides an escalation framework that can initiate warnings, create events, trigger actions, automatically raise CMMS work orders, send emails, send text messages, drive predictive maintenance, manage reliability factors, and provide contextualisation around event data. CPEM can capture history of what caused an event, and what was done to rectify it, for ongoing improvement and validation of company procedures.



## REPORTS

The Reports module collects, arranges and assembles information into a PDF report, ready for automatic email to pre-configured distribution lists. Reports support graphs trends, charts and pictures, and can collect information from all Optimum modules as well as any other connected software package. Reports can be configured to run in draft, and when combined with Data Portal, can accept manual entry of notes, with one click approval for final version release. Reports can be configured to run periodically, or in ad-hoc mode when required, or via exception status. Optimum's Reporting module covers the complete reporting requirements for any organisation.



## DATA PORTAL

The Data Portal module is capable of replacing any excel driven spreadsheet and mining reconciliation function in a secure digital framework. This data driven platform enables digital management of production budgets, limits, predictive maintenance functions, algorithms, optimisation models and constants. With external integration to all common software platforms, Data Portal drives productivity and efficiency gains by reducing the manual effort and replication involved in data management. With seamless integration across Data Portal and the Optimum platform, you now have access to data with capability to view, modify, store, manage and validate data at an advanced level



## INTERCONNECT

The InterConnect Module allows you to connect any source software system or Excel spreadsheet and instantly have the ability to manipulate and compare data. With InterConnect's bi-directional connectivity, you can pull and push data from one system to the other, transforming how your existing software solutions interact with each other, and how they collectively impact performance of your site. The InterConnect module currently integrates with over 50 different systems, including many typical systems such as Fleet Management, Met Accounting, Cost Control, Production, Geology, Asset Health, CMMS, Downtime, Safety, Environmental etc.

# OUR SOLUTIONS

Regardless of the size or scope, mining operations everywhere continue to experience profitability pressures from multiple directions such as commodity pricing volatility and global demand variability. This has caused mining companies to re-evaluate business models, capital spends, and seek smarter, more efficient methods of operation that focus on sustainable cost management practices and improved productivity and efficiency. While the exact improvements and gains vary from mine to mine based largely of constraints and bottlenecks, the path to transformation is always similar with an emphasis on asset productivity and process improvement through the application of digital solutions. MPPGlobal is at the forefront of using digital solutions to enhance productivity, efficiency with solutions designed to generate increased profit through additional revenue and reduction in costs that produced strong ROI.

## OUR APPROACH

We provide a range of digital solutions for the mining sector built from our Optimum Software platform. Our solutions use specific modules as required from the platform to satisfy the solution requirements. Each solution typically uses between 4-6 modules to achieve the desired outcome. The solutions vary in complexity with many presenting a unique approach to maximising your mines performance. Our solutions are designed with the customer needs in mind and are used by some of the world's largest mining companies today. We offer out of the box solutions as seen below, or we can design a digital solution for your most complex mining challenge.

## Our Mining Solutions

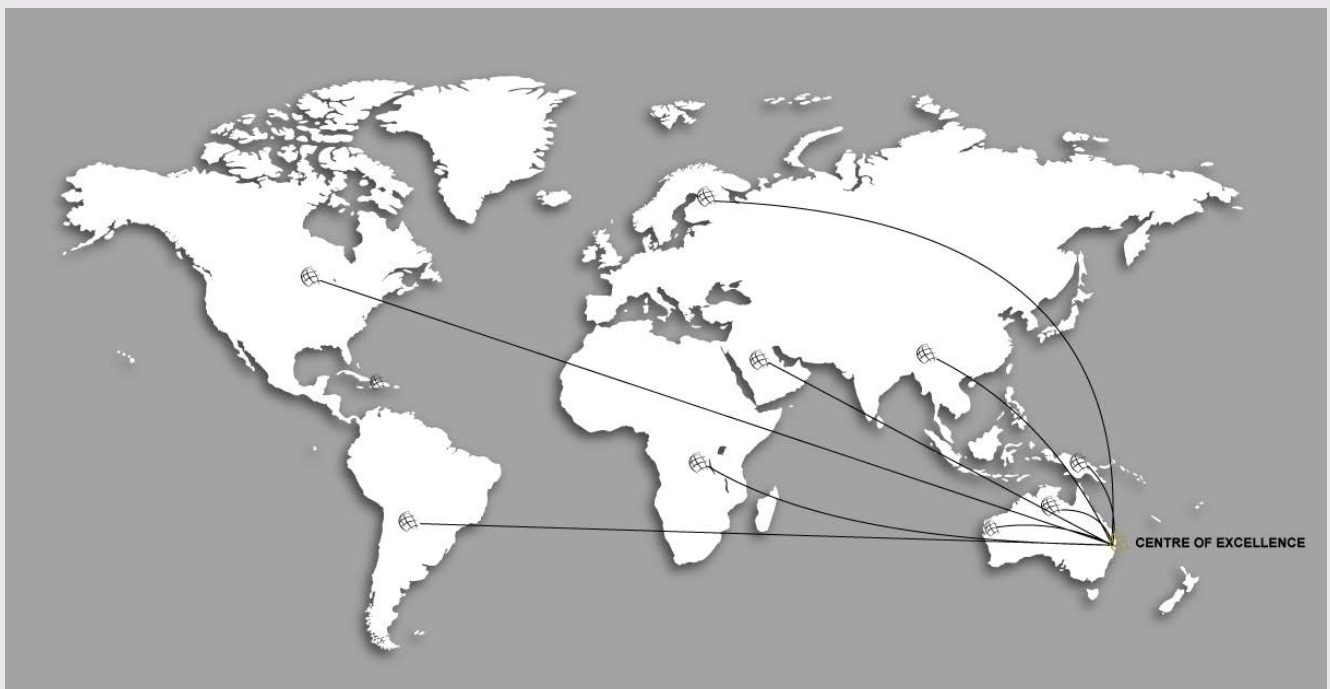
- Mining Overall Equipment Effectiveness.
- Pit to Port application
- Short Interval Control
- Metallurgical Accounting
- Downtime & Delay Accounting
- Integrated Data & Information Reporting
- Asset Health Management & Dashboards
- Analytics & Automated Data Reporting
- Defect Elimination Management
- Data Integration multi system Connection
- Shift Logs and Handovers
- Visual Performance Dashboard
- Digitisation of Excel Spreadsheets

# OUR GLOBAL PORTFOLIO

MPPGlobal works across a range of customers, commodities, and operational types from a single mine site, to some of the world's largest and most complex mining companies with global operations covering multiple countries, languages and cultures. Our core focus includes the ability to work internationally in some of the world's most challenging environments combining remote technology, a systemised approach to data collection, template application design and local support in regions.

## OUR REGIONS

Africa  
Asia  
Oceania  
Central America  
Eastern Europe  
European Union  
Middle East  
North America  
South America  
The Caribbean



# OUR CUSTOMERS

*We work closely with many mining companies:*





If you're looking to leverage digital technology for improvements in reliability, availability, utilisation, production, revenue and company profits, then we want to partner with you!

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