Mining Short Interval Control & Reporting Software
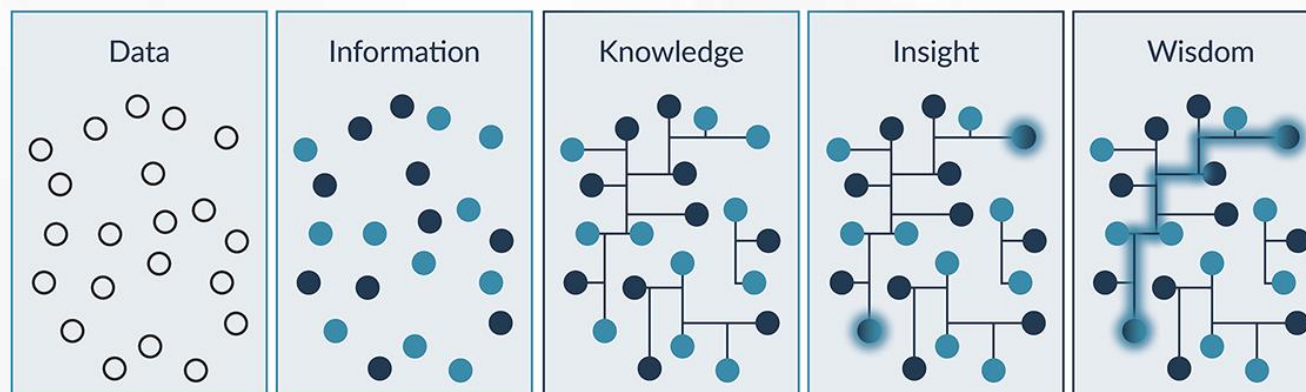
Version 2.1

What is MineMage

MineMage is a specialised mining reporting tool designed to integrate seamlessly with a mine's Management Operating System (MOS). By leveraging data from Fleet Management and Mine Planning systems, MineMage transforms raw operational data into actionable insights, enabling a process-driven and data-driven approach to managing daily mine site operations.

MineMage supports decision-making across multiple time horizons, including:

- Intraday Short Interval Control (SIC): Real-time monitoring to drive immediate operational improvements.
- Daily Review Meetings: Providing accurate reports to support daily performance analysis.
- Weekly & Monthly Planning: Assisting in forecasting, planning reviews, and operational strategy.
- Long-Term Planning & Assumptions: Enhancing mine planning by improving data accuracy and reliability.

At its core, MineMage is built to convert complex mining data into meaningful insights, empowering teams to optimise performance, improve efficiency, and enhance overall mine site control.

GIGWORTH

MineMage and MOS

MineMage has many tools that integrates with a Mine MOS.

Real Time Reporting

Short Interval Control

Long Term Trending

Reports and Analytics

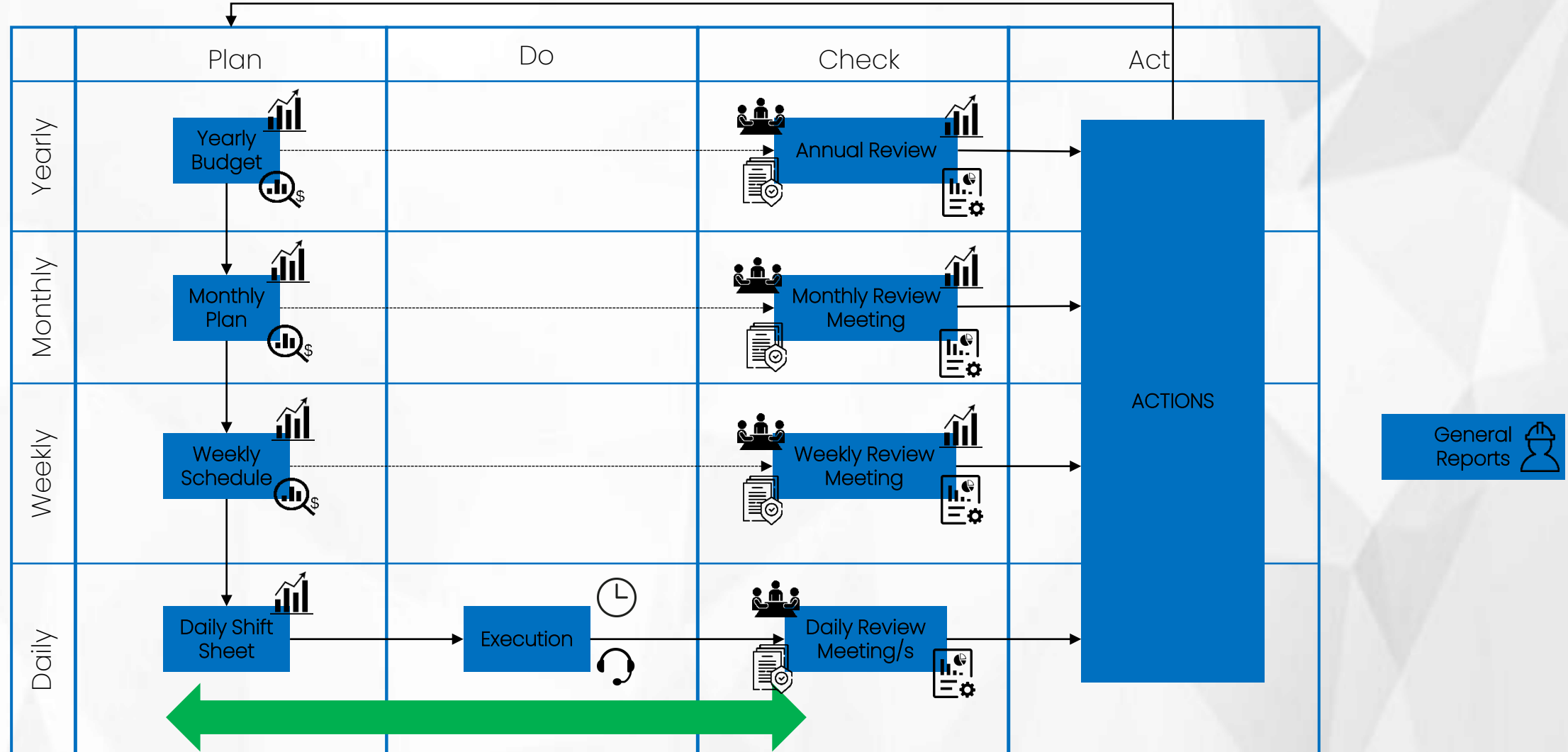Compliance Reporting

Budgeting and Forecasting Tool

Meeting Tool

Custom Reports and API

Plan -> Do -> Check -> Act

Each of the elements in MineMage are tools that have been designed to support the Mining (Plan -> Do -> Check-> Act) (PDCA) Process

mineMage

- ✓ Focused around your Mining Management Operating System (MOS) – Plan Do Check Act
- ✓ Built with high performance and functionality
- ✓ User friendly data visualisation solution
- ✓ Real-time reporting - Short Interval Control
- ✓ Data driven problem solving
- ✓ Single source of the truth
- ✓ Detailed dashboards
- ✓ Consistent across sites
- ✓ FMS agnostic
- ✓ **SO FAST IT'S MAGIC**

Application Landing Page

Features

- Customisable to your styling

- Display the key metrics that matter to your Mining Operation

- Choose from:

  - Current daily actuals vs target

  - MTD spatial & volumetric compliance

  - Active asset alerts

  - Material Movements

  - Any many more options

Customisable skins to match your organisation (or standard colours)
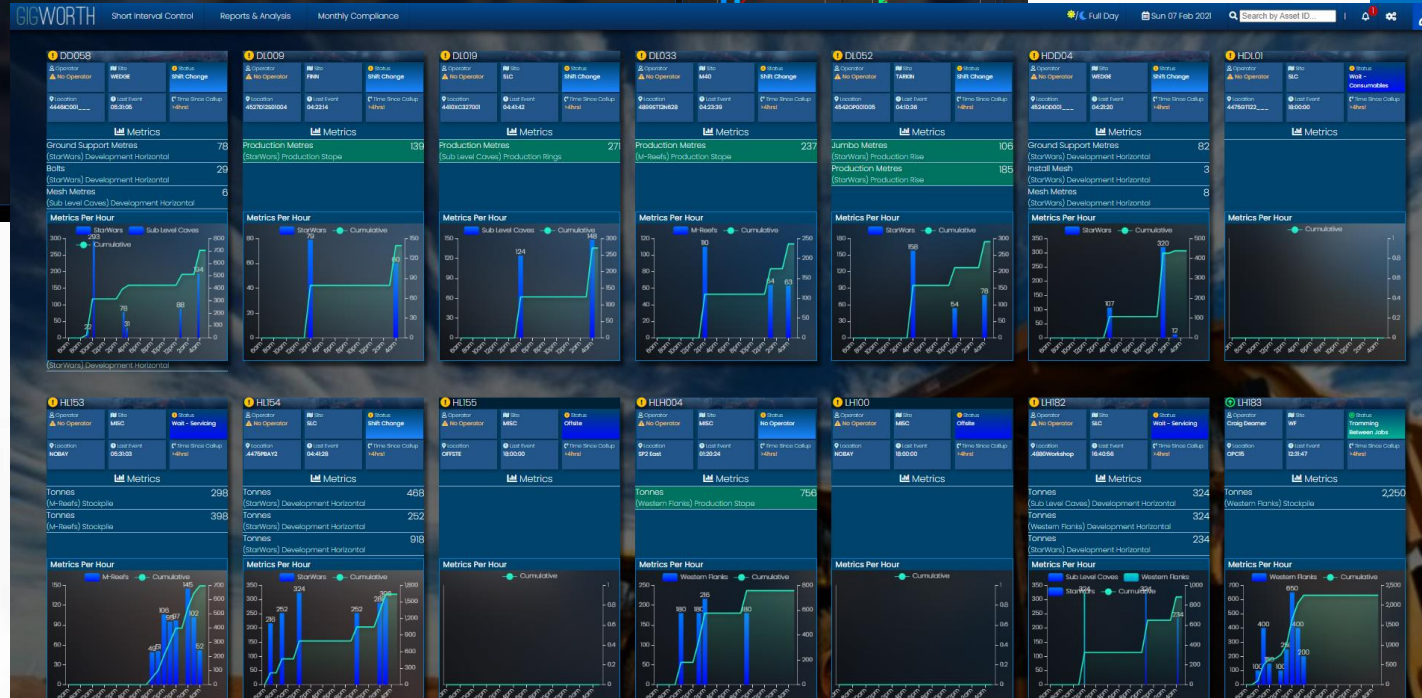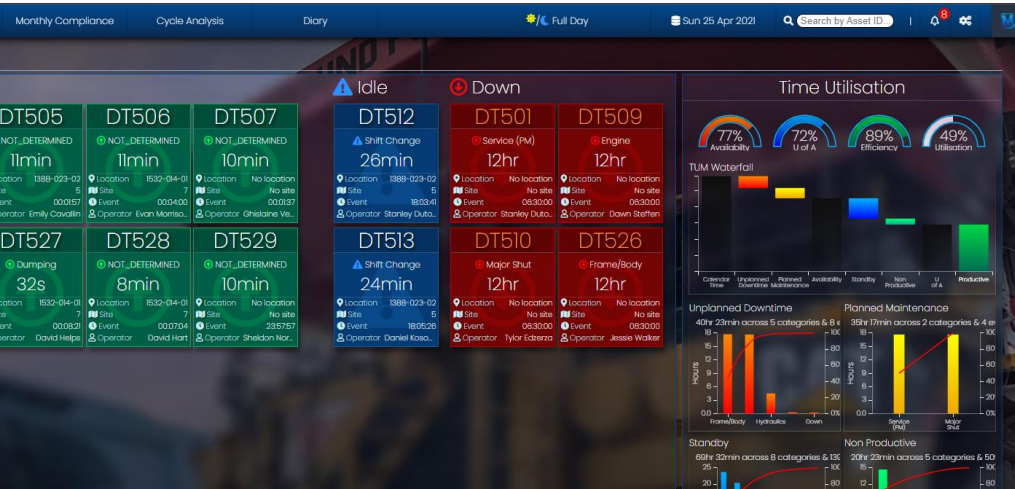
Mine Landing Page

Features

- Overview of the specific mining areas

- Current daily actuals vs planned target

- MTD spatial & volumetric compliance

- Asset TUM timelines working within the mining area

- Actuals per hour

- Material movements (source to destination)

- Overview of all metrics within the mining area

Asset Class Overview Page

Compact

Maximised

Features

- Overview of any specific asset class or type

- Compact or maximised view to see performance metrics per asset

- Headline overview of the current status, operator, location and last call up to Mine Control

- 'Maintenance only view' to show all machines in a "DOWN" state

- 'All equipment view' to see the status of all assets onsite
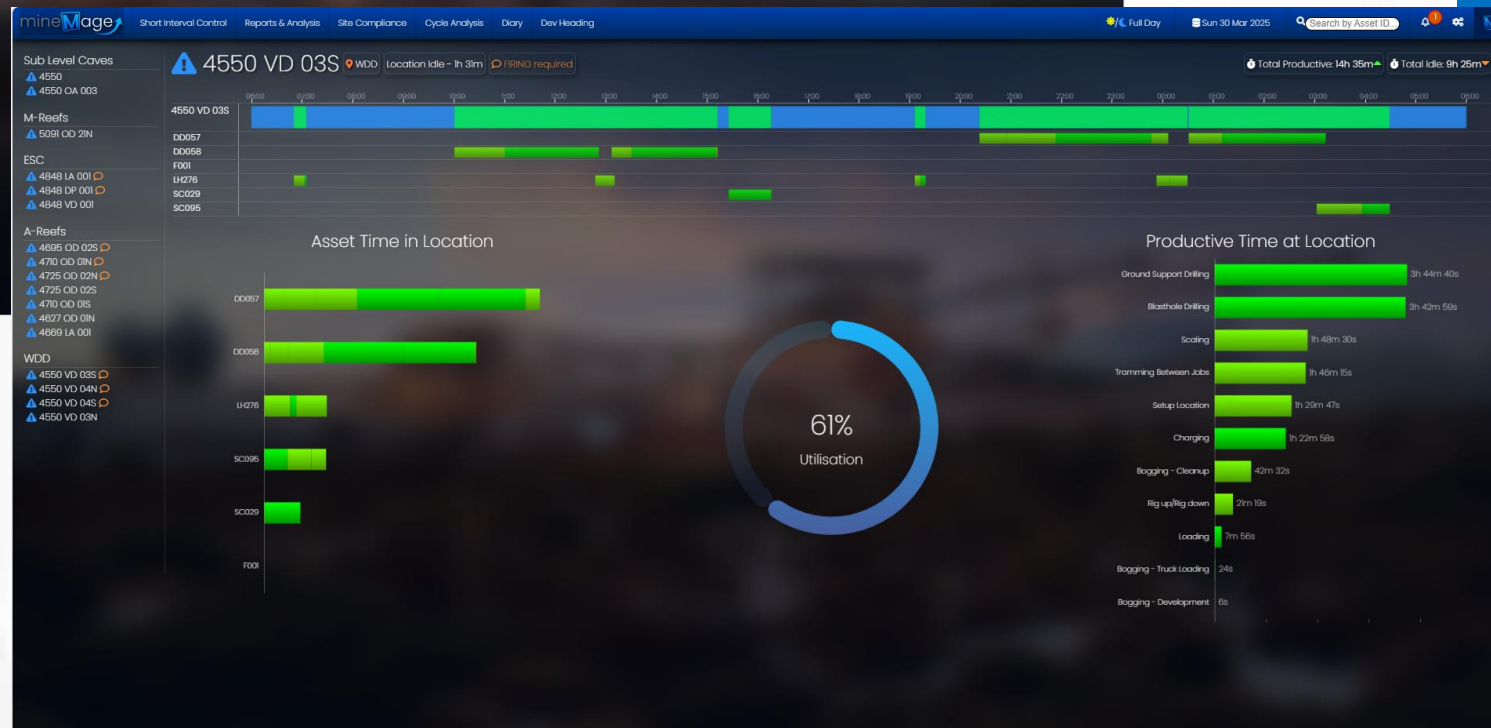
Equipment Timeline Page

Features

- Overview of the equipment timeline, corresponding to the operations TUM model

- Links to each assets drill down page

- Dayshift and nightshift views

- Clear visualisation of productive and lost time

- Caping of TUM time to 24hr shift blocks to ensure correct daily reporting

- TUM can be customised to the Clients own Time Utilisation Model policy

Asset Drill Down Page

Features

- Drill down of the specific asset classes

- Performance and productivity metrics

- Waterfall and pareto breakdown of the fleets' TUM events

- Availability, UofA, Efficiency and total asset utilisation metrics

- Configurable Asset rates bases on client specification
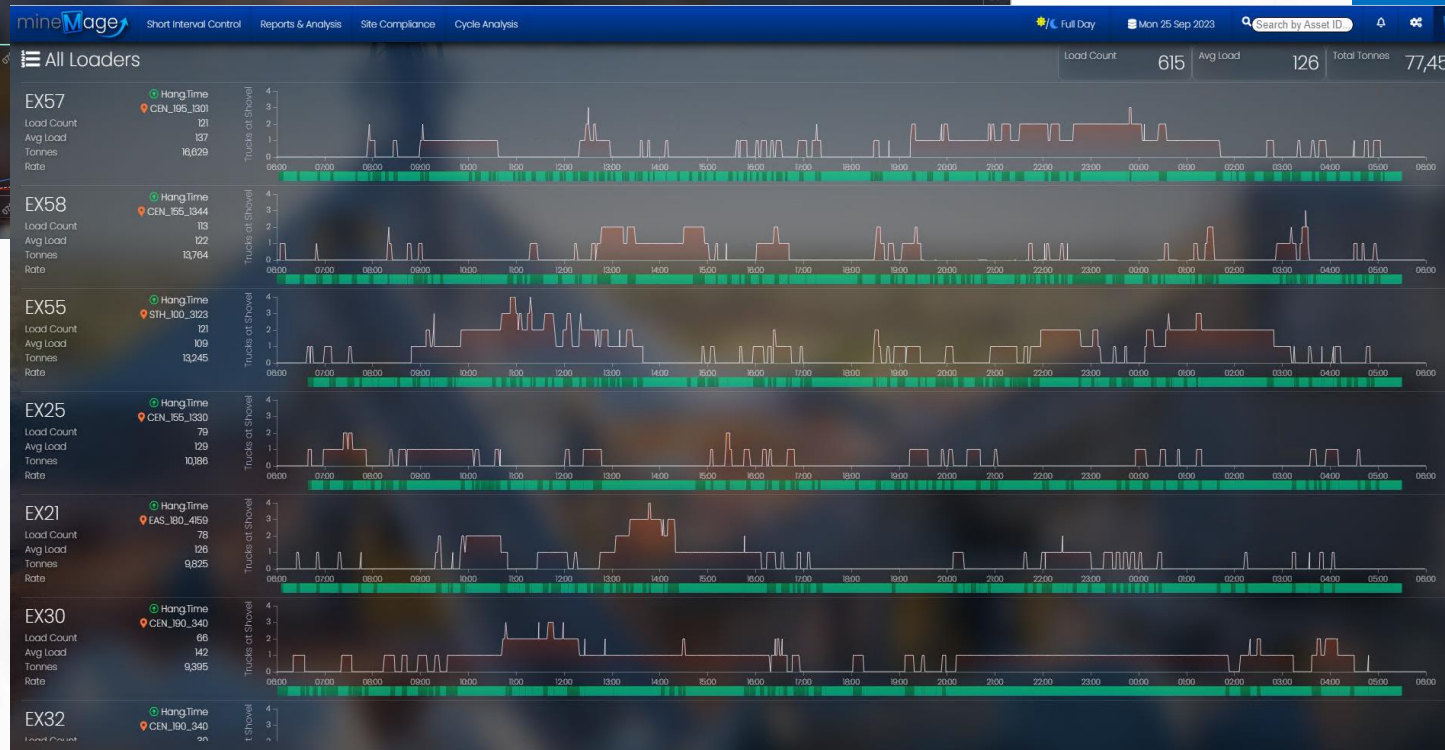
Development Heading Cycle

Features

- Drill down of the specific development Headings

- Performance and productivity metrics

- Timelines and Pareto's for the Heading and the Assets that have been working in that heading.

- Predicts the next activity based on your Development cycle, and has notifications

- Locations taken from your weekly plan upload and active headings

Cycle Time Analysis

Payload and Queue time

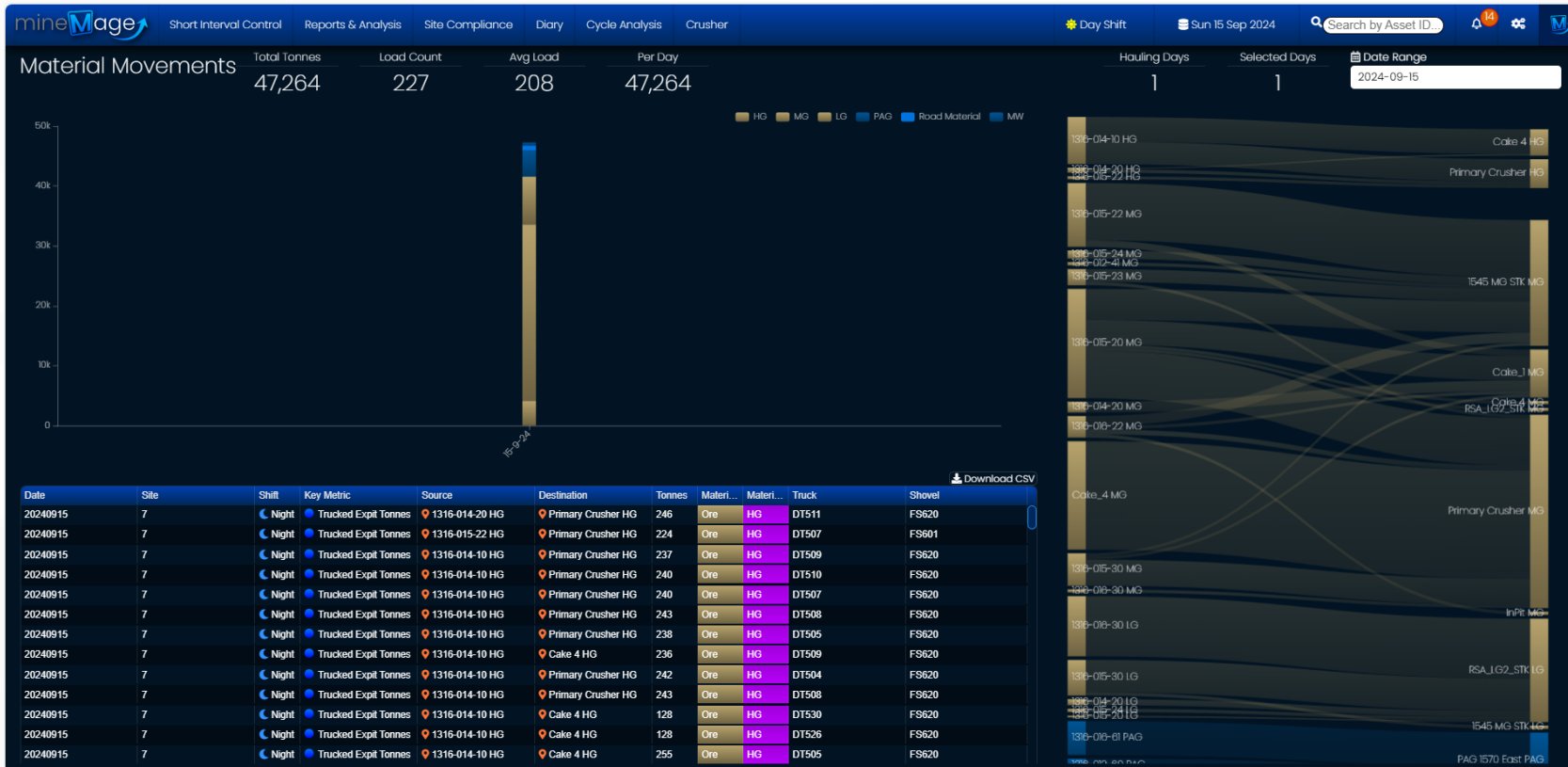*Shovel / Excavator Queue Time*

Features

- View the performance of individual shovels and trucks during their cycles

- Reduce queue time by monitoring the number of trucks queuing at individual shovels

- Measure payload compliance of each load

- Measure average and instantaneous dig rates by individual shovel

- Further statistical analysis tools available such as Box and Whisker and Bell Curve charts that measure each cycle component .

Material Movement and Grade

Features

- Complete breakdown of your material movements and grade

- Single day or date range

- Filterable and exportable to CSV or via API

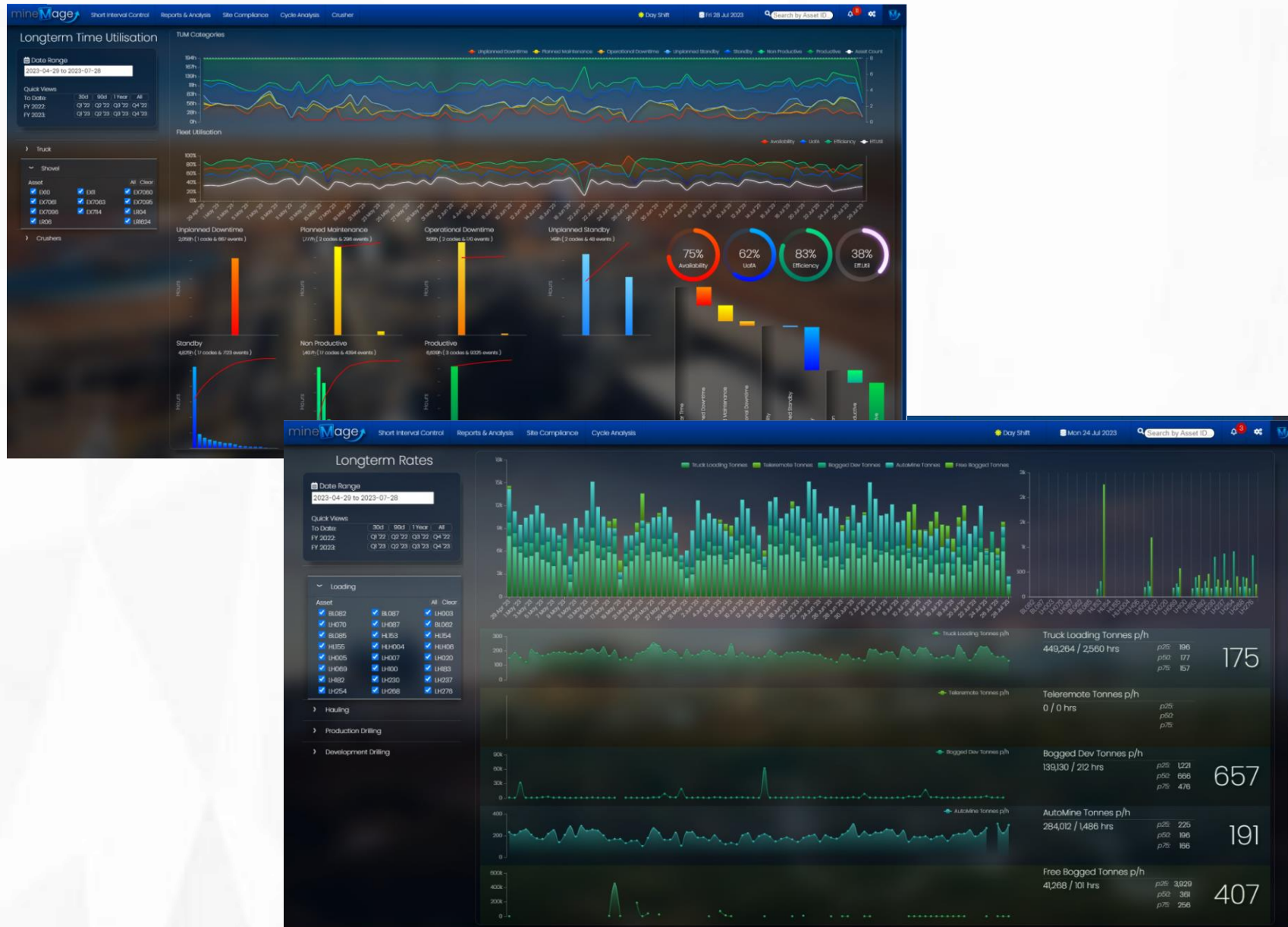# Monthly and Weekly Compliance to Plan Tracking

Plan Upload

Features

- Spatial and volumetric compliance against the uploaded monthly and weekly plans

- Track and plan to any metric that you wish to measure.

- Clear and concise Lean charts to use in meetings

- User friendly upload tool to import the plans, each week and month.

- Yearly budget tracking also available.

Long Term Reporting

Features

- View all major KPI's through our long-term reporting pages.

- Export historical data either in Excel or CSV format;

- Trend any long-term data in MineMage application using our graph raw data feature.

- Filter by Mine Area, Material Type, Asset Type, Model or any individual Asset ID, the choice is yours.

- Export long term charts in your own Company fonts and colours to insert into your own PowerPoint presentations.

Short Interval Control Diary

Daily Target Configuration

Short Interval Control Diary – hour by hour performance and productivity monitoring
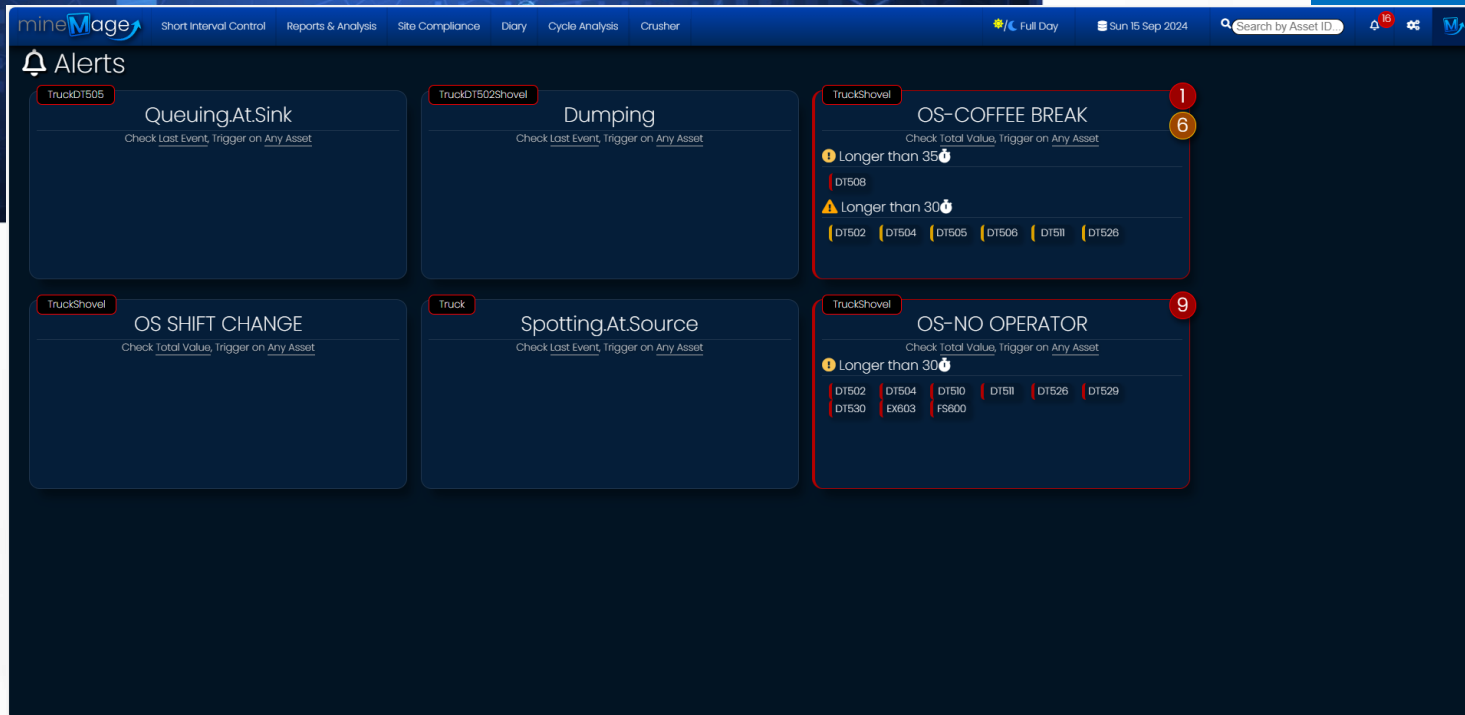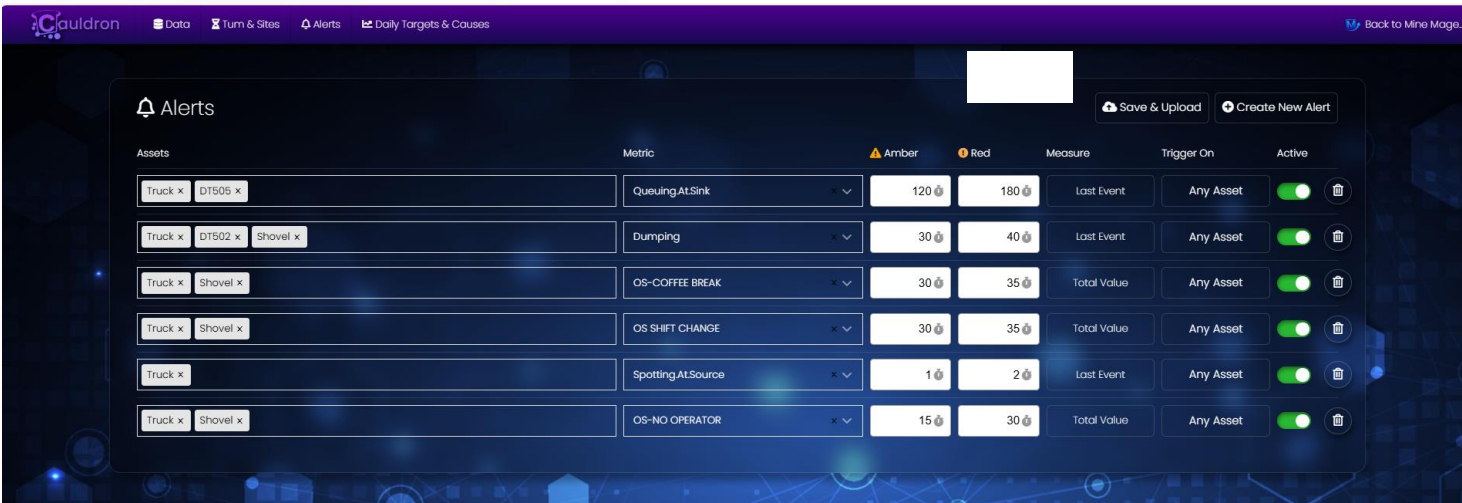
Features

- Set daily production targets and monitor the fleet hour on hour

- All targets are customisable through the configuration page

- Record diary entries in our easy to use Daily Diary feature.

- Export the diary commentary in a simple one page report

- Tag individual assets for quick to use drill downs or customisable alerts.

Reporting Pages

Features

- Ask us about building a specific report for your operation. Get it styled to your corporate colours and fonts.

- Standard data dump reports included in the Mine-Mage application tailored to your business needs

- Loads raw data cleanly in MS Excel - no banners, no merged cells, no double spacing, no formatting required.

Alerts and Notifications

Features

- Set alerts to match your planning assumptions,

- Measure cycle times,

- Get notified.

mineMage

and so much more...

Get in touch today to see how MineMage can support your mining operations!

contact@gigworth.com.au

minemage.com.au

GIGWORTH
PROFESSIONAL - PERFORMANCE - SOLUTIONS

GIGWORTH