





**Afrigle** 

Resource

Management Solutions



# Introduction

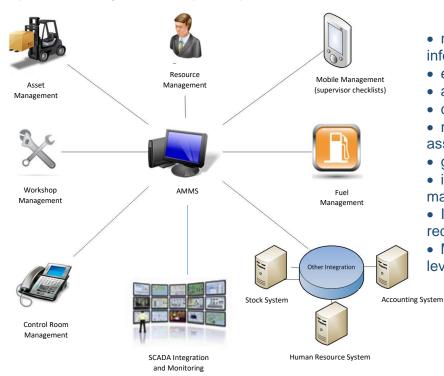
Continuous performance is not just about measuring and monitoring; it's about anticipation and action, it's therefore not sufficient to drive your business forward while looking in the rear view mirror. Afrigle resource and performance management provides the establishment of financial and operational targets and the ability to deliver performance results in a timely manner to everyone in the organization that can impact those results

AFRIGLE's resource management (ARM) solutions also enable companies to establish a culture of high performance where all stakeholders are always up to date on actual performances by means of Real time updates

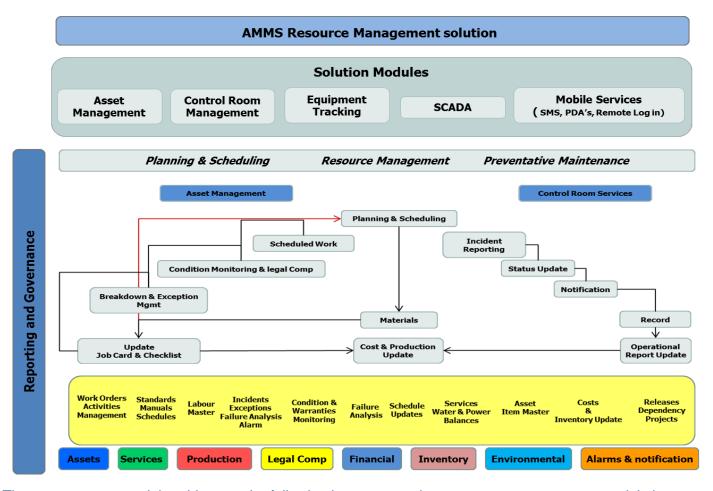
The system will enable you to monitor, track, manage and detect operational issues as they develop, and react immediately to correct them so to minimize negative impact on operations. Real-time asset monitoring, tracking and performance measures are an essential tool to enable all supervisors and operational personnel to identify and correct operational problems as soon as they develop so that negative impact and delays can be resolved.

Our goal is to provide a management information system that effectively monitors and measures performance as well as continuous visibility throughout the assets life cycle.

## By implementing the ARM System, you will have:



- real time performance and status information pertaining to Asset's
- efficiency improvements
- achievement of obligations
- cost effective low maintenance plan
- real-time reporting services on all assets or asset groups
- global asset visibility
- improved business-performance levels by maintaining existing asset-related costs
- Improved business-performance levels by reducing asset-related costs and,
- Maintaining existing business-performance levels whilst reducing asset-related costs



The management module addresses the following items as per the management processes model above

#### Assets

- Registration
- Classification
- Functional location
- TOP (Transfer of property/assets)
- Asset disposal
- Transfer of ownership (Equipment lease/Rental)
- Asset Control
- Availability
- Utilization
- Re-Occurring Breakdowns
- Idle Time
- MTBF
- MTTR

## Planning

- Maintenance schedules
- Legal compliance
- Planned Tasks Observations
- Labour resource requirements (Skills)
- Inventory control

## Scheduling

- Scheduling calendar
- Long term Schedule a schedule to link dates against maintenance activities
- Task schedule detail schedule for specific activities
- Work prioritization levels of urgency
- Backlogs
- Internal or external service scheduling

#### Work execution

- Generate job cards as pre-defined format
- Skill allocation
- Time & skills allocation
- Spares allocation
- Special tool requirements
- Equipment structure (Component/parts of Main Assemblies)

## Component Management

- Component Tracking
- Warranty monitoring
- Life cycle measures (Planned vs. Actual performance)

### Fuel Management

- Fuel Usage
- Electronic Fuel Management System
- Rand per Litre
- Over Usage of Fuel / Lube (leak detection)

#### Cost Management

Cost per Asset (repairs, capital, breakdowns, damages)

#### Production

- Tonnes Hauled
- Cost Per Tonne
- Progressive production management
- Blast vs Lost Blast
- Auto TMM Equipment assigning (based on maintenance and breakdowns)

## Safety Management

- Accident free days
- Safety reporting
- Accident reporting

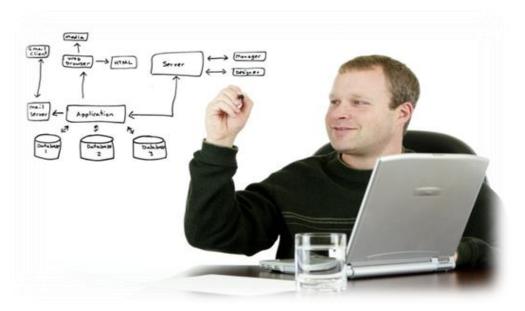
# Analysis/Reports

- Availability
- Utilization
- Equipment efficiency
- Schedule compliance
- **Backlogs**
- Costs
- Time recovery
- Labour Efficiency
- MTBF
- **MTTR**
- Legal compliance (Shaft, Equipment, Labour, Tools)
- Control Room ("Real Time")
  - Equipment status report
  - Production update report

  - Delay analysis Operator license status
- Workshop Management
  - Breakdown notification
  - Maintenance schedule due display
  - Equipment Breakdown status •
  - **Equipment Manual access**
  - Print of Job cards, Legal's due, Over inspections
  - **Artisan Foreman Notifications**
  - PTO's
  - Risk Assessments
  - **Over Inspections**
  - **OEM Electronic Manuals**
  - **Appointments**

# The defining differentiator between our product and that of our competitors are:

Our team with extensive experience, in engineering and software development, adapts and aligns the management software to enable your team to operate and manage optimally without have to self-analyze reports. Pre-defined critical reports are automated and allows for real time action and intervention



❖ Due to the seamless integration capabilities of the Afrigle Resource Management System which enables direct exchange of data, two previously separate levels operate as one consistent system that has everything under control: Production data and events are available in real time − so previously 'unpredictable' events are eliminated or mitigated. This enables optimum use of staff and material, because genuine production data is available, instead of approximate offline production plans.

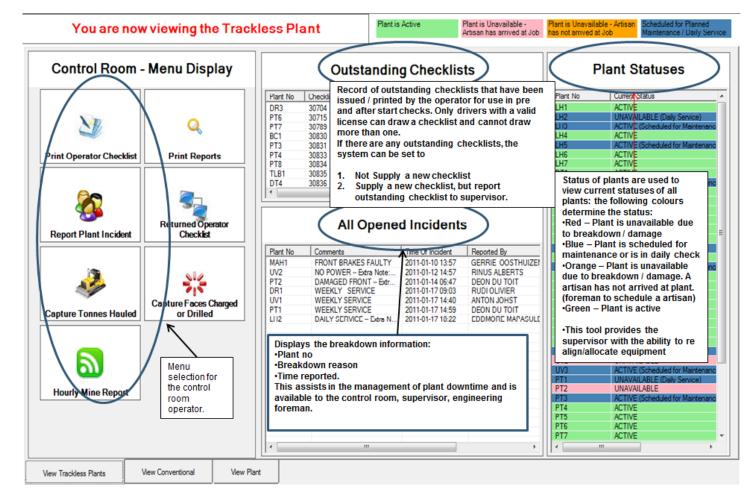


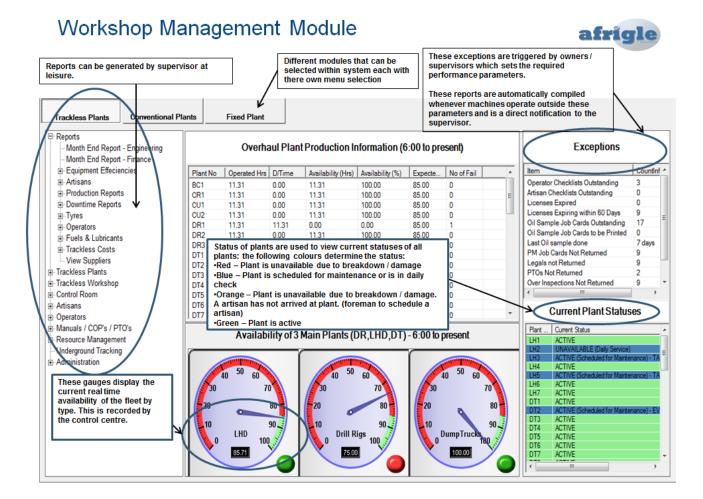
The Afrigle Resource Management System and SCADA interface allows for automated alarm and updating of

- Water and Power Management
- Fault signals
- Operating hours counter interface updates
- Plant and Winder monitoring
- Building and Infrastructure management
- RFID asset management and monitoring

# Control Room Management Module







## Conclusion

By using the Afrigle Resource Management System, you will be able to effectively manage your fleet in real time and act accordingly which will ultimately save you cost and help improve your production.