ENTERPRISE ASSET MANAGEMENT SYSTEM (EAMS)

Redefining Asset Maintenance Intelligence
A metro network
Enterprise Asset Management System (EAMS) for complete asset life cycle management. The EAMS enables performance tracking for optimal asset performance, eliminates operational downtime and reduces operating costs.

The EAMS is an essential platform in the metro industry in which large amount of assets are involved, and where asset availability is critical for operations. This system enhances operational and cost efficiencies.

By integrating operational and organisational processes, EAMS offers total asset life cycle management, early warning of potential equipment failure, process automation, maintenance scheduling, as well as resource planning and tracking. The stakeholders are able to manage their assets more effectively and achieve higher Investment Rate of Return.

EAMS provides a fully-automated maintenance management system to replace traditional paperwork-heavy maintenance processes involving registration of assets, storing of transactions, and recording of the maintenance work.

Interfaces to metro Electrical and Mechanical systems such as Rolling Stock, Signalling and Power, EAMS brings process automation to the next level where it automatically alerts stakeholders for corrective and preventive maintenance actions.

Data analytics is also applied on the massive amount of maintenance data collected by the EAMS. The derivation of hidden patterns, trends and correlations creates predictive maintenance models that can provide early warnings before the equipment failure, so that pre-emptive action can be taken.

The health condition of the network assets is a critical information generated by the EAMS. The correlation of such information from EAMS and other operational information provides stakeholders with a holistic overview of the various systems at the network level.

Benefits:
- Centralised Metro Network Asset Tracking
- Cross Line Maintenance Performance and Operating KPI
- Centralised Operation and Maintenance Knowledge Management
- Increased Maintenance Efficiency with Real-Time Status Monitoring
- Decision Support
- Planning and Optimisation of Maintenance Resources