



E2M System

ENGINEERING MAINTENANCE MANAGEMENT



Maintain and manage the cost effectiveness of rail assets

Trimble® E2M rail engineering asset and maintenance system manages assets and components, streamlines parts and materials usage, and optimizes resources and procurement.

DESIGNED BY RAIL EXPERTS FOR THE RAIL AND TRANSPORTATION INDUSTRY

Trimble E2M is designed specifically for the rail and transport infrastructure sectors to manage and control assets and components and to streamline parts and materials management. It allows rail organizations to maintain and manage the cost effectiveness of assets by improving asset reliability, resource and capacity planning, and work utilization while reducing operating costs. Whether managing rolling stock or just specific critical components (i.e. wheelsets or brakes) Trimble E2M enables the effective planning of maintenance across depots, resources, and material requirements.

MAXIMIZE ENGINEERING MAINTENANCE WORKFLOWS

The E2M system's workshop management and defect reporting allows organizations to plan maintenance across depots and resources. Centralized procurement gives a single view to aid the management of stock, assets, components and suppliers, and warranty management is efficiently handled. It can also interface to existing financial systems for end-to-end workflows.

MOBILE APPLICATIONS TAKES MAINTENANCE DATA WHERE IT IS NEEDED

Maintenance technician efficiency improves dramatically through the use of the E2M mobile applications. The Trimble E2M Workshop and E2M Defect Reporting apps replace error-prone pen and paper workflows with the ability to work on mobile phones or tablet devices saving time, increasing productivity, improving data accuracy, and ultimately saving money.

BENEFITS

- ▶ **Reduce and streamline labor costs**
Identify and reduce repeat defects by identifying the true cause of the defect minimizing costly rework. Monitor defect history over time against each asset to prevent repeat defects making assets unavailable for service.
- ▶ **Optimize maintenance planning**
Plan maintenance to identify opportunities and ensure depot capacities for resources and infrastructure are not exceeded. Ensure all assets are maintained on-time in accordance with the maintenance schedule.
- ▶ **Increase asset and stock availability**
Ensure asset and stock availability by monitoring usage over time with Trimble E2M. Automatically define re-order levels against each part to ensure stock levels meet demand. Control centralized procurement by defining central stores to manage stock for satellite stores.
- ▶ **Ensure more successful warranty claims**
Every warranty claim raised in E2M can identify the fitment and receipt date, serial number, and complete history ensuring that less warranty claims are contested.
- ▶ **Improve safety**
Effective safety critical work control ensures safety issues are minimized.
- ▶ **Flexible mobile workflows**
Trimble E2M Workshop app puts E2M functionality in the hands of depot workforce wherever they need to be. The Trimble E2M Defect Reporting app means staff can send reports direct to the Trimble E2M system from a phone or tablet.

FEATURES

- ▶ Efficient workshop management and defect reporting
- ▶ Cost jobs and book labor
- ▶ Set up campaigns and special checks
- ▶ Resource scheduling, training, and competency
- ▶ Plan maintenance across depots, resources, and material requirements
- ▶ Define asset hierarchy to manage assets
- ▶ Swap and track components across assets
- ▶ Plan and define exams
- ▶ Manage and procure stock with full stock check and component history support
- ▶ Supplier and warranty management
- ▶ Tools management
- ▶ Interfaces to finance systems

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