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# RCM AND SAP?

IT'S EASIER THAN  
YOU THINK.....

- Upload Maintenance Plans · Handle Master Data
- Analyze Plant Performance · Build RCM Models
- Automate Work Instruction Creation
- Download Functional Hierarchy and Failure History

Turnover to find out how

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



# ENTERPRISE RELIABILITY PORTAL

The ERP is a unique innovation that links a company's Enterprise Asset Management or CMMS to the worldleading Isograph Availability Workbench software. This solution provides Maintenance and Reliability Engineers with a real-time decision making tool, utilizing often unused maintenance history to optimize maintenance strategies through the use of advanced and mature reliability simulation tools.

Create a "Living Program" through the application of the ERP through the alignment of data captured in the CMMS to Availability Workbench thus providing a continuous reliability improvement process over the asset life cycle.

This is performed through the initiation of reliability activities that incorporate current business objectives and by using the data captured in the CMMS to:

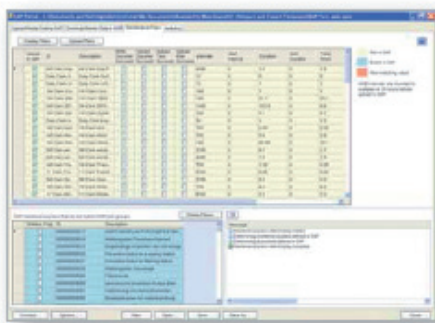
- Review and update the maintenance strategy
- Update spares strategy
- Forecast expenditure to optimize resources
- De-bottleneck plant
- Prioritize capital projects
- Initiate Root Cause Analysis (RCA)
- Perform risk evaluation

## Upload Maintenance Plans

The ERP has a maintenance plan module where it transforms the optimized maintenance strategy developed in RCMCost and electronically loads it to the CMMS.

## It has the ability to:

- Highlight new maintenance strategies that are ready to load to the CMMS
- Determine whether tasks in the CMMS have been changed and are different to Availability Workbench
- Record changes and reasons for change when they are made
- Create detailed and customizable work instruction documents in Word or PDF format
- Display existing maintenance strategies in CMMS.



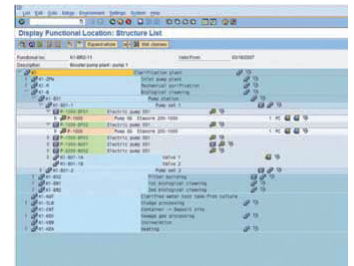
## Analyze Plant Performance

The analytics module of the Availability Workbench software is the online interface to the CMMS enabling a portal to the maintenance history captured. This module uses a drill

down graphical display to allow the user to assess plant performance and analyze areas where improvement can be made to initiate decision making in the reliability tools.

Maintenance history can be viewed for individual equipment or for equipment classes across the facility. This data can be converted to Weibull sets to analyze for:

- Failure characteristics
- Reliability growth
- Effectiveness of current maintenance strategy



## Handle Master Data

The ERP can transfer the data from the RAMS models to setup and configure the CMMS system. In a new plant or procured piece of equipment, a RAMS study should be performed to justify the amount of equipment, amount of redundancy, risk and optimal maintenance strategy. The information used in these studies is transferred directly to the CMMS for the operational phase of that plant or equipment to ensure data alignment between strategy and work management.

Data that is typically loaded from the RAMS software includes:

- Equipment hierarchy – used to record maintenance work orders
- Equipment criticality – assists in prioritizing work and measuring maintenance effectiveness
- Equipment classes – enables reliability analysis across similar types of equipment
- Failure codes – used to capture maintenance history in line with the developed strategy
- Spare parts – enables ordering of the correct parts and ensures appropriate levels are maintained
- Bills of materials – enables efficiency of finding parts.

## Build RAMS Models

Where there is existing data in the CMMS, it can be used to build a RAMS model utilizing the ERP to extract the necessary information to map to the Availability Workbench tables and fields. This process minimizes time spent in data entry, freeing up engineers to focus more on analysis.

The ERP allows the user to select which data is required for download to Availability Workbench and may include:

- Equipment Hierarchy
- Equipment Groups
- Failure Codes
- Bill of Materials
- Spare Parts

