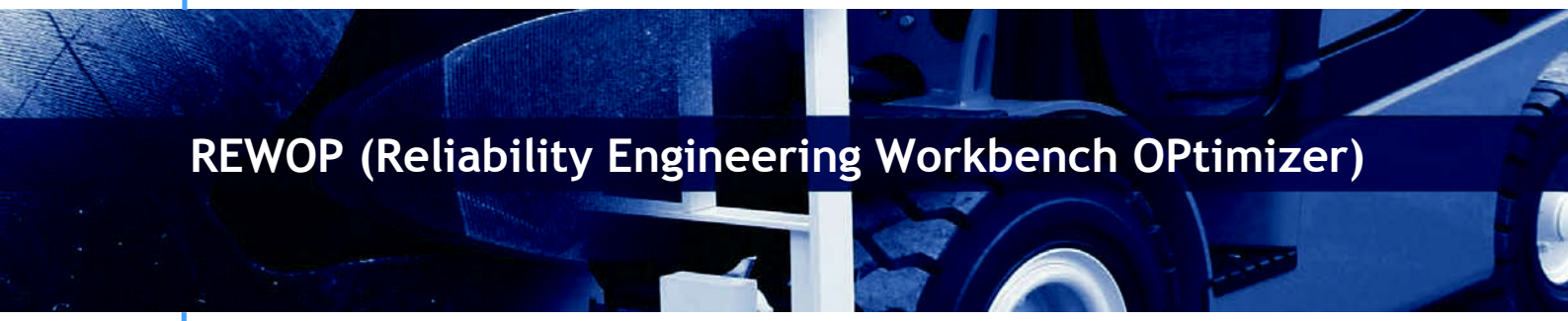
OMDEC
Optimal Maintenance Decisions Inc.



REWOP (Reliability Engineering Workbench OPtimizer)

PRODUCT PROFILE

Purpose of Software:

- Integrates data in EAM/CMMS with RCM, CBM, PCS; can be used independently of RCM Database. Has proven integration with EAM/CMMS's such as SAP, Maximo, Ellipse etc
- Provides automatic update of RCM database from the CMMS
- Prepares Data Marts for use as the basis for reliability analysis
- Provides automatic self-testing of the performance of currently active CBM programs and expected benefits of proposed ones
- Facilitates monitoring of the variables impacting failure
- Many built-in KPIs and decision analysis tools; plus integration to reliability analysis tools

Benefits:

- Improves access to key data and speeds reliability analyses by consolidating all relevant data into Data Marts for use by Weibull, EXAKT, Pareto, Jack-knife and many similar tools
- A break-through in understanding how to benefit from the integration of the CBM data, RCM data and CMMS historical databases
- Compiles actual experience that is useable in all maintenance improvement initiatives (such as RCM, TPM, six-sigma studies, RBI, and others)
- RCM database is continually kept current by adding key updates from day-to-day maintenance activities
- RCM data is readily accessible to EAM user for work order, failure mode and fault code completion using REWOP's RCM search engine
- Decision models conveniently verified and updated as new experience accrues
- Knowledge of equipment and reliability needs are continuously improved with each REWOP transaction
- Improves maintenance practices by prompting more effective Work Order business processes which become part of regular maintenance
- Does not require extensive training and increased effort as it leverages the CMMS database and display tools to clean the data before analysis
- For organizations without RCM, provides a simple, convenient and low cost means of building a basic RCM knowledge base
- Real time feedback on impending failure
- Audit and revision control on RCM database
- On-line CBM database access for integration with CMMS and RCM

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Data Sources:

- Equipment and component parameters from the CMMS, EAM or RCM databases
- Event data from the Work Order, Notification, Inspections
- Condition data – vibration, oil sampling, temperature etc from CBM systems
- Failure modes and related RCM data from the RCM database
- Equipment status from the PCS, PI and operations databases

Output Data:

- Event table comprising all data (failures, suspensions, failure modes, working age, and date) in a form directly useable by reliability analysis software
- RCM database updates
- Data Marts configured for each equipment and/or analysis tools
- Weibull, EXAKT, Pareto, Jack-knife and other established reliability analyses
- Spares Optimization integration
- Updated and verified decision models
- Prompts to validate work order data collection
- Real time notice of impending failure
- Over 50 Maintenance KPI's covering Leadership & Organization, Plant Availability, Work Management, Materials Management and Maintenance Improvement

Benefiting Industries:

- Businesses where asset or equipment failure cost is a significant part of their operations
- Any heavy industry such as mines, steel, metals processing, chemicals, oil and gas, petrochemical, pulp and paper, large transportation (aircraft to truck and bus)
- Discrete manufacturing facilities – automotive, electrical, components, tires, plastics
- Process manufacturing – pharmaceuticals, food and beverages
- Municipal, state and federal departments, military, customs, airports
- Telecom, gas, electrical, water distribution, power generation companies
- Success stories in military, mining, chemicals, trucking and other industries

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