# OMDEC
## Optimal Maintenance Decisions Inc.

# LIVING RCM - (POWERED BY BI-Cycle)

**PRODUCT PROFILE**

## Purpose of Software:

➢ Integrates data in EAM/CMMS with RCM and CBM; can be used independently of RCM database
➢ Provides automatic update of RCM database from the CMMS
➢ Prepares Events Table 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

## Benefits:

➢ Improves access to key data and speeds reliability analyses by consolidating all relevant data into one Events Table 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 internal RCM search engine
➢ Decision models conveniently verified and updated as new experience accrues
➢ Knowledge of equipment and reliability needs are continuously improved with each 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

## Data Sources:

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

## 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
- Weibull, EXAKT, Pareto, Jack-knife and other established reliability analyses
- Updated and verified decision models
- Prompts to validate work order data collection
- Real time notice of impending failure

## Target Industries:

- Any industry where asset replacement cost or equipment failures are 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, furniture, tires, plastics
- Process manufacturing – pharmaceuticals, food and beverages
- Municipal, state and federal departments, military, customs, airports
- Telecom, gas, electrical, water distribution companies
- Success stories in military, mining, chemicals, trucking and other industries