

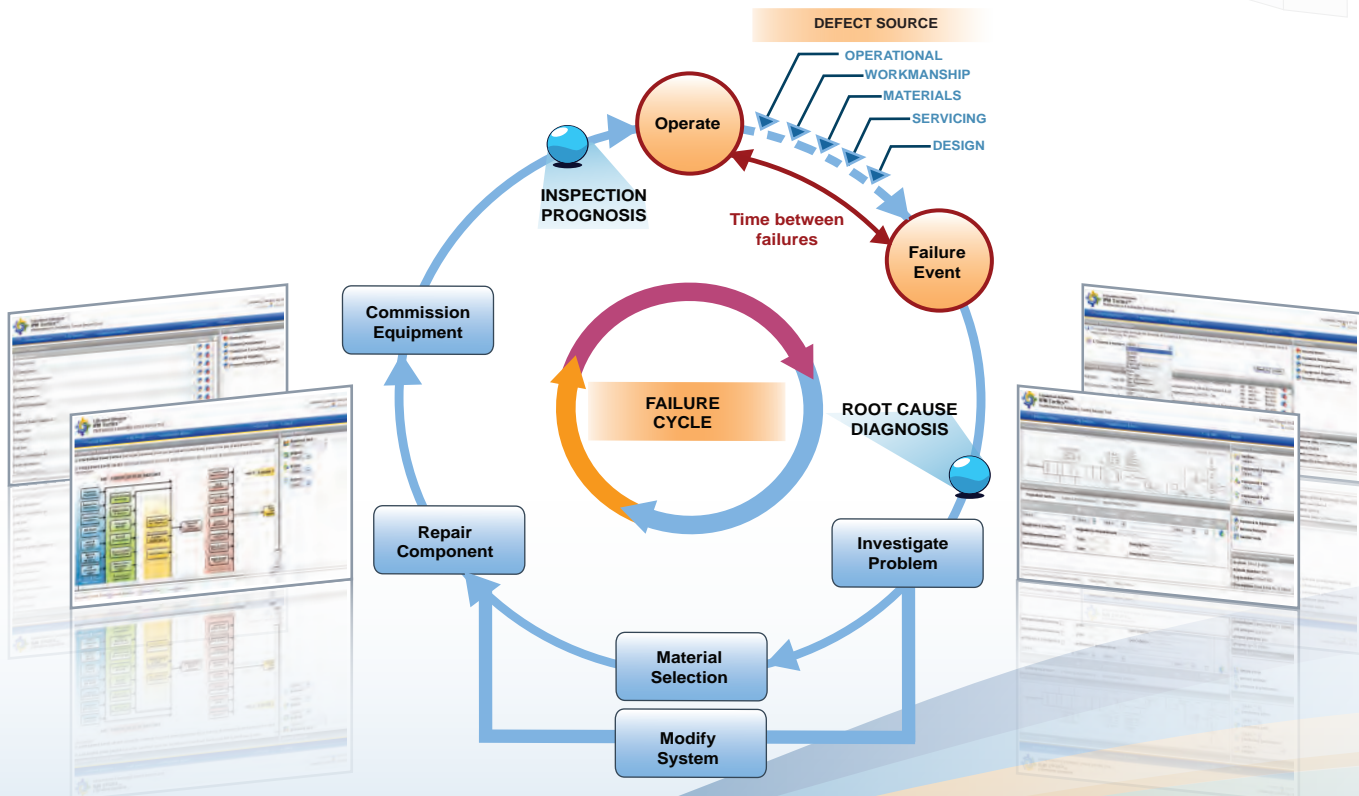
MAINTENANCE & RELIABILITY TACTICS REVIEW TOOL



i-PM TACTICS™ is a maintenance & reliability application that helps systematically challenge and identify opportunity tactics to improve reliability performance and bridge equipment strategy with specific tasks

**Key features of i-PM TACTICS™**

- SECURE WEB BASED ACCESS ■
- AUDIT EQUIPMENT MAINTENANCE EFFECTIVENESS ■
- PROVIDE USERS INVENTORY OF USEFUL TACTICS OPTIONS TO APPLY ■
- EVALUATE PERFORMANCE OF CURRENT MAINTENANCE & RELIABILITY MEASURES ■



MAINTENANCE & RELIABILITY TACTICS REVIEW TOOL

RELIABILITY TACTICS REVIEW PROJECT BUILD

Set up project details;

- Region
- Asset
- Project
- Team
- Focus Area

RELIABILITY PROJECT REVIEW ADMINISTRATION

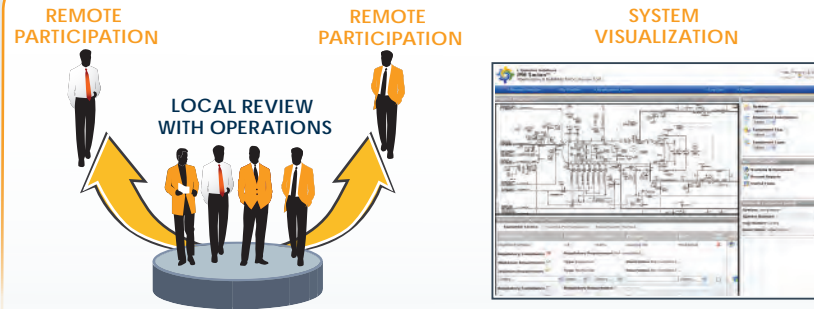
- Build asset equipment hierarchy structure
- Standard equipment type template
- Customize equipment types
- Customize reliability tactics library
- Upload Register from MS Excel

ASSET REGISTER ADMINISTRATION

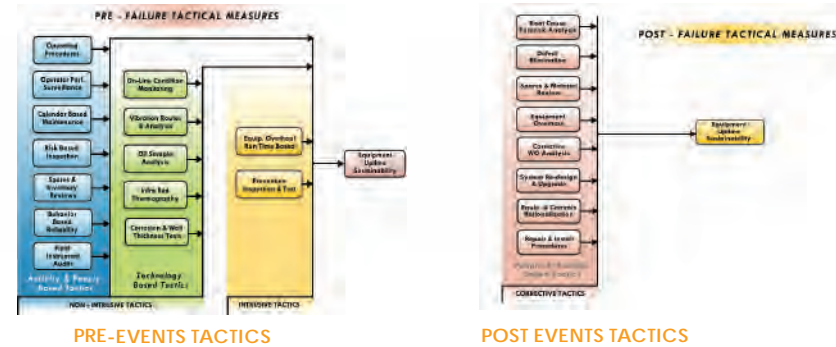
- Upload image files of equipment & systems for review
- Pan & Zoom navigation of systems & equipment diagrams

VISUALIZATION MODULE

i-PM Tactics™ Process Flow



FACILITATED REVIEW, CHALLENGE AND SELECTION OF RELIABILITY TACTICS



RELIABILITY TACTICS ANALYSIS

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'AS-IS' CONDITION

- Team identification of exploited tactics
- Tactics information
  - Tactic type
  - Regulatory Compliance
  - Frequency of PM
  - Best Practice

EXPLOITED MAINTENANCE & RELIABILITY TACTICS

RECORDED PERFORMANCE & HISTORY

- Type of tactics applied
- Number of defects & time frame
- Number of times problem detected
- Defect rate
- Detection rate
- Team Knowledge capture

PERFORMANCE OF TACTICS KNOWLEDGE CAPTURE

'TO-BE' TACTICS & CHALLENGE

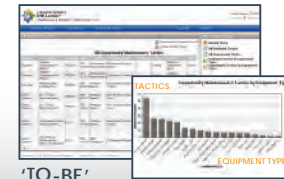
- Challenge process to broaden tactics applied or removed
- Changes to tactic type
- Modified PM frequency
- Man hours required

OPPORTUNITY MAINTENANCE & RELIABILITY TACTICS

SCHEDULE OF EXPLOITED TACTICS



SCHEDULE OF OPPORTUNITY TACTICS



CHALLENGE  
+  
REVIEW PROCESS

TACTICS REVIEW OUTPUT/RESULTS

- Export of reliability tactics
- Input to changes in PM routines/tasks

UPDATE OF MAINTENANCE MANAGEMENT PROGRAM

PRACTICAL RESULTS & ANALYSIS APPLICATION FOR IMPROVEMENTS