

**WHAT IS IQREVIEW™?**

IQREVIEW™ is a web-based software tool that facilitates Maintenance Optimization and creates a "Living Maintenance Basis" for an organization. This software contains modules for Preventive Maintenance (PM) Template management, Asset Classification, Functional Equipment Group (FEG) management, Preventive Maintenance Change Requests (PMCR), and the Maintenance Optimization process. Maintenance Optimization is the application of the PM Templates based on Asset Classification (critical, non-critical, run-to-failure) and the review of actual PMs and the current maintenance practice. The result is an equipment based Maintenance Strategy.

- Features/Benefits**
- Web-based architecture
  - Fleet solution
  - Revision control process
  - Email notifications
  - Reports and Performance Indicators
  - Functional Equipment Groups (FEGs)
  - Maintenance Basis / Optimization
  - Preventative Maintenance Change Requests

**PM TEMPLATES**

The template module facilitates the creation and management of PM templates grouped by equipment type. They are stored in a centralized database and shared among the organization via Microsoft Internet Explorer. The template module includes revision tracking and configurable approval workflows. Templates can contain an unlimited number of tasks and task frequencies are organized by criticality, service condition, and duty cycle. Boundary definition, subject matter expert (SME) comments, file attachments, operating experience (OE), commitments, failure modes, and basis information can also be captured. The impact of a template change on manpower, resources and the number of components affected are clearly identified.

**ASSET CLASSIFICATION**

Asset Classification can be performed for each piece of equipment to determine and document functional importance (e.g. critical, non-critical, run-to-failure), duty cycle, and service condition. The user is stepped through a series of questions in a wizard type form that leads to the final classification. Questions and/or criteria can be configured to match industry guidelines and/or organization specific requirements. In addition to the final result, the basis for the classification is permanently stored and available as a reference. Interfaces are also available to feed this information into other applications.

**MAINTENANCE OPTIMIZATION**

Since the Maintenance Basis is a data intensive process, extensive productivity tools are available for users to quickly filter, sort, and make bulk changes to data. The "PMO Analysis" feature allows users to quickly compare the recommended template task frequency with the current PM task and reconcile or document any discrepancies. In order to support continuous improvement and a "Living" basis, IQREVIEW™ has revision control and approval workflow processes for tracking changes.

**Template View**

Large Motors

Plant Type: NUCLEAR  
Category/SubCategory: Electrical / Motors  
SME: Grieder, Jeff  
Backup SME: Passarelli, Joe  
Rev Number: 0  
Status: Approved  
Approved By - Date: Grieder - 5/31/2006

Task View | [EMCA View](#)

Boundary Definition	New Template
SME Summary	Delete Template
Comments	Create Draft
Implementation History	
Revision History	
Operating Experience	
Commitments	
Condition Definitions	
File Attachments(0)	

Component Classification	CHS	CLS	CHM	CLM	SHS	SLS	SHM	SLM	EHS	ELM	EHM	ELM
Criticality	x	x	x	x	x	x	x	x	x	x	x	x
Duty Cycle												
Service Condition												

Condition Monitoring	1Y	1Y	1Y	1Y	1Y	1Y	1Y	1Y	AR	AR	AR	AR
Oil Analysis												
Operator rounds												
Thermography												

**IQREVIEW™ Main**

Facility: Chadds Ford  
Unit: Unit 1  
Plant System: <All>  
Comp Cat/Type: <All>  
PFO Sub Bin: <All>  
Limit results to selected PFO Sub Bin

Search Criteria  
ERC / Duty / Service: <All>  
Template Category: <All>  
Template Task Type: <All>  
RT (B)/Devic: <All>  
Optimized Frequency: No [Start]  
RT Freq: No [Start]

Select	To Sub Bin	Claim	FLOC ID	Description	Type	Status	ERC	Template	Manufacturer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-MHSC-T01	MAIN FEEDWATER TURBINE TURNING GEAR 1-1	MHSC	Onln	2UM	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-MHSC-T02	MAIN FEEDWATER TURBINE TURNING GEAR 1-2	MHSC	Onln	2UM	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PP-P01	FEEDWATER PUMP 1-1	M-PP	Approved	1AAR	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PP-P02	FEEDWATER PUMP 1-2	M-PP	Approved	1AAR	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PL-F01A	FEEDWATER PUMP SHAFT SEAL FILTER 1-1A	F-PL	Approved	2MAY	MAN Feedwater	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PL-F01B	FEEDWATER PUMP SHAFT SEAL FILTER 1-1B	F-PL	Approved	2MAY	MAN Feedwater	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PL-F02A	FEEDWATER PUMP SHAFT SEAL FILTER 1-2A	F-PL	Approved	2MAY	MAN Feedwater	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-PL-F02B	FEEDWATER PUMP SHAFT SEAL FILTER 1-2B	F-PL	Approved	2MAY	MAN Feedwater	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-TP-P01	FEEDWATER PUMP 1-1	M-TP	Onln	1AUM	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-TP-P02	FEEDWATER PUMP 1-2	M-TP	Onln	1AUM	MAN Feedwater	GE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-MS-1-E01	SPINTE RP 1-1 LP 5TH SUPPLY CHECK VALV	R-CP	Onln	1AUM	Check Valve	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-MS-1-E02	SPINTE RP 1-1 LP 5TH SUPPLY CHECK VALV	R-CP	Onln	1AUM	Check Valve	INDUSTRIAL BOND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	150-M-VH-M-1-DC1-041	FEEDWATER PUMP TURB 1-1 LP STOP VALVE	R-VH	Onln	1AUM	MAN Feedwater	INDUSTRIAL BOND