Orion eAPI ®

Reliability Business Intelligence™

What is the equipment reliability during the operational lifetime?

What is the effect of scheduled maintenance on system downtime?

How many spare parts are needed to keep the equipment operating efficiently?

Access to this information should be quick, easy and reliable...

ReliaSoft's *Orion eAPI* (enterprise Asset Performance Intelligence) is an enterprise software solution for asset performance management.

The system is a powerful tool for transforming raw data into meaningful information that will support strategic decisions for your organization.

http://Orion.ReliaSoft.com

Software Highlights - ReliaSoft's Orion eAPI

Practical Applications

- Asset Management System
- Reliability Business Intelligence
- Compliant with the PAS 55 standard
- Database connections with SAP®, Maximo®, Oracle®, Access®, Microsoft SQL Server®, etc.
- Optimum PM interval calculation
- Spare parts forecasting
- Convenient access to ReliaSoft's standard software tools for related analyses
- Portals are configurable for individual users and groups
- Flexible, graphical display for key performance indicators (KPIs)
- Manage improvement projects and track the return on investment (ROI)
- Manage the data, analyses, improvement projects and action plans in a single system

Portals

- My Portal
- Create Portal Groups (e.g., Electrical, Mechanical, Instrumentation, etc.)
- All Portals have:
  - KPI Alerts & Reliability Forecast
  - News
  - Analysis
  - Improvement Management & Actions
  - Reports

Analysis

- Life Data Analysis (LDA) for Reliability and Maintainability
- Reliability Growth (RGA)
- Spare Parts Forecast (SPF)
- Root Cause Analysis (RCA)
- Reliability Forecast Analysis

Production

- Monitor production quantities
- Monitor performance/production losses

Improvement Projects

- Manage improvement projects and action plans
- Calculate return on investment (ROI)
- Prioritize improvements
- Send automatic e-mails to the professionals involved in the action plan

KPI Dashboard

- Production
  - Overall Equipment Effectiveness
  - Production
  - Asset Mechanical Reliability (AMR)
  - Asset Capability (AC)
  - Asset Utilization (AU)
  - Flaring Percentage (Oil & Gas industry)
- Asset Performance
  - MTBF & MTTR
  - Inherent Availability
  - Achieved Availability
  - Operational Availability
  - Expected Number of Failures
- Costs
  - Total Maintenance Cost
  - Predictive Cost
  - Preventive Cost
  - Corrective Cost
  - Labor Cost & Spare Part Cost

Reports

- Number of Failures
- MTBF & MTTR
- Maintenance Costs
- Availability
- Production Loss
- Reliability Forecast

Report Formats

- HTML
- Microsoft Excel® and Word®
- Charts in *.wmf, *.jpg and *.bmp

Total Integration with ReliaSoft's Software

- Store/manage analysis files
- Attach the analysis to any part of the structure (i.e., TAG)
- Show RCM and FMEA analyses created in the RCM++ or Xfmea software
- Automated update of RBDs in BlockSim
- Export data for more advanced analysis in Weibull++ and RGA

Data Imports and Exports

- Microsoft Excel® or Access®
- Text Files or XML
- Oracle®
- Microsoft SQL Server®
- Any database with an OLE DB connection
- CMMS integration (SAP®, Maximo®,...)

Searches

- Search the consolidated "raw" data
- Search analyses
- Search improvement projects
- Search action plans
- Save and reuse your searches

Extensive GUI Configuration Options

- Multi-language capability
- Easily substitute existing terminology with your own
- Enable custom fields for gathering custom data

Databases Supported

- Microsoft SQL Server®

Available Services

- Free Technical Support (With Active Maintenance Agreement)
- Detailed Online User Documentation
- Training for Theory + Software
- Go-Live Implementation Service
- Professional Consulting Services

Real Power for Real Applications

By offering all of these capabilities in a single enterprise-wide, database-driven system, Orion eAPI will enable your organization to bring together all relevant data, analyses, improvement projects and action plans in a centralized, searchable knowledge base for equipment reliability.

This cross-functional information sharing will facilitate current asset management activities while also preserving a history of "lessons learned" that will help to save time and money in the future. Orion eAPI will improve your company's ability to:

- Collect raw data from a variety of data sources.
- Apply the most effective RAM analyses.
- Display and track key performance indicators (KPIs).
- Manage improvement projects to control costs and improve availability.