



# RAM ANALYSIS IS KEY TO SUCCESSFUL ASSET MANAGEMENT

## Collect Raw Data from a Variety of Databases

Orion eAPI can connect to many different databases and CMMS/EAM systems (such as SAP®, Maximo®, Oracle®, Access®, SQL Server®, etc.). Dedicated adaptors designed specifically for each particular data source will allow your organization to upload work orders, production loss data and other relevant information into the Orion on a recurring basis.

## Apply the Most Effective RAM Analyses

Orion's integrated data analysis modules will enable you to perform accurate equipment performance assessments using the most effective Reliability, Availability and Maintainability (RAM) analysis techniques available. This includes:

- Life Data Analysis (Weibull Analysis)
- Root Cause Analysis (RCA)
- Optimum Preventive Maintenance Intervals
- Spare Parts Forecasting
- Reliability Growth Tracking (Crow-AMSAA)

The system also provides convenient access to ReliaSoft's suite of standard software tools to facilitate related analyses, including (but not limited to): RAMS modeling, Life Cycle Cost (LCC) estimations, Life-Stress Relationship modeling, FMEA, Reliability Centered Maintenance (RCM), Fault Tree Analysis and Repair Effectiveness calculations.

## Display and Track Key Performance Indicators (KPIs)

The Key Performance Indicator (KPI) module offers a wide array of metrics to assist with asset performance management decisions, such as "Bad Actors," MTTF/MTBF, Mean Time to Repair (MTTR), Availability, Number of Failures, Production Loss, Maintenance Costs, etc. Each user can configure the display to fit his/her particular needs, and the system can send automated e-mail notifications ("KPI Alerts") when a metric moves beyond a specified range.

## Manage Improvement Projects to Control Costs and Improve Availability

Orion also provides built-in capabilities for defining and managing improvement projects that your organization may initiate to control costs or address reliability/availability concerns. You can use the system to prioritize and monitor progress, send automated e-mail notifications for pending actions and track the return on investment.

## A Powerful Asset Performance Management Solution

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 equipment reliability knowledge base.

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.

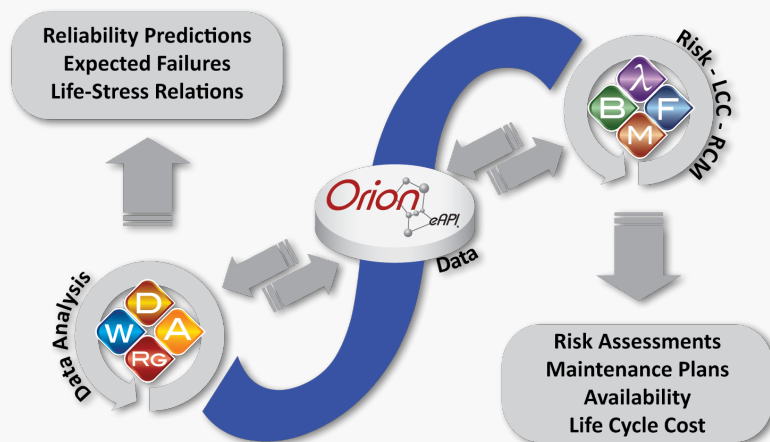
### Architecture

Orion eAPI is a web-based software system (deployed via Internet Explorer) that can be implemented with a SQL Server database.

The system is licensed based on the number of asset TAGs the company wants to manage. The number of users (and facilities) is unlimited.

### Integration

Weibull++, RGA, Xfmea and RCM++.



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