RulePaks*

A RulePak is a pre-configured set of rules designed specifically to perform real-time data validation, real-time calculations and analysis, and real-time detection of specific events and malfunctions.

Application
Once a RulePak is imported into the System 1* Optimization and Diagnostics Platform—via the Decision Support* Manager—you can apply it to a single problem machine, multiple machines, or to machine trains across your business.

Key Capabilities of RulePaks
Generic asset RulePaks are available as well as specific asset RulePaks for a particular asset type. RulePaks typically provide mechanical, operation, and instrumentation analysis, while also providing condition-based maintenance capabilities. The outputs from these RulePaks can drive highly configurable user notifications with Actionable Information*.

Quickly Apply Knowledge of Experts Outside Your Business
You can leverage the knowledge of industry experts by using preconfigured RulePaks that are easy to apply. To provide a complete diagnostic package, RulePaks can be imported and applied in combination with various System 1 Application Packages.

Benefits
• Maximize plant availability
• Optimize plant maintainability
• Mitigate operational risks
• Rapid application of expertise from outside your business
• Asset life extension

Capabilities
• Configurable advisories
• Robust IT security
• Easy plug-in to System 1 platform
• RulePaks can be deployed across your business
• Can drive user notifications with Actionable Information
Customize Use of RulePaks for Your Needs

Although RulePaks are intended to give you pre-configured model-based logic and equations with usable outputs, you may want to combine some of your knowledge with outputs from RulePaks to make custom rules using Decision Support Studio®. Also, the outputs from RulePaks, as well as custom rules, can drive notifications with default advisories that are user-configurable.

Validate RulePak Results Offline

Prior to activating RulePaks live in your business, you can test them offline to validate the result by inputting historical, current or simulated data.

Available RulePaks

There are various RulePaks available to cover the following assets (some generic and some more specific to a particular manufacturer/model):

- Steam turbines
- Reciprocating compressors
- Industrial gas turbines
- Aeroderivative gas turbines
- Fans/blowers
- Pumps
- Induction motors
- Generators
- Exciters
- Rotating compressors
- Integral gear compressors
- Electrical motors
- Gear boxes
- Power turbines
- And others

Levels of Support

Installation, training, and support services are recommended to help you achieve the most value from this application package. We offer three distinct levels of support that include the following: