Decision Support Studio* Developer Edition

This suite of products—including Decision Support Studio* and Decision Support Studio Developer Edition—helps optimize business operations, providing early detection of mechanical, operational, instrument, or business events. These products offer easy-to-use graphical tools to write rules comprised of equations and algorithms, enabling users to easily acquire, capture, disseminate and leverage their knowledge of equipment, processes, and their business. This suite integrates with the System 1* Optimization and Diagnostics Platform to provide the most advanced, user-friendly Decision Support* products on the market.

Decision Support Studio

Decision Support Studio enables users to embed years of knowledge into a usable format of rules that can be broadly applied across a business in a repeatable and manageable process. The System 1 software platform now comes with core Decision Support capability with the ability to write basic rules with parametric calculations using RuleDesk Lite*. Decision Support Studio expands the rule-writing capability using RuleDesk Pro* to include dynamic data, more complex functions, and added security and testing capabilities.

RuleDesk Pro

The Decision Support Studio includes RuleDesk Pro for creating, managing, and applying rules. Rules are model-based logic with defined inputs and outputs. Inputs include a broad range of data types and properties available in the System 1 platform. Outputs can be calculated values, operating states, timer or counter outputs, or specific events. Events typically indicate a condition or situation a user would want to be made aware of and respond to. The extremely easy-to-use Decision Support Studio tools with—graphical drag-anddrop functions and exceptional testing capabilities—make it intuitive and fast to implement. ,
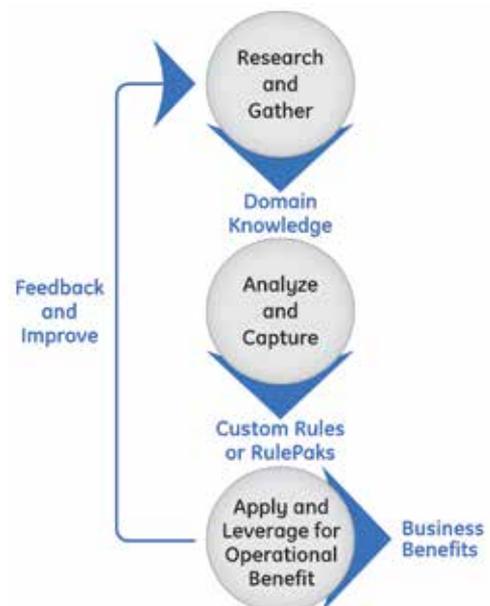
Benefits

- Maximize plant availability
- Optimize plant maintainability
- Mitigate operational risks
- Capture and utilize knowledge
- Asset life extension

Capabilities

- Robust IT security
- Available as a stand-alone application
- Enhanced testing capabilities
- Create RulePaks to deploy across multiple enterprises
- Can drive user notifications with Actionable Information*
- State-based qualifications
- Interfaces to enhance other System 1 software applications

OPTIMIZE BUSINESS USING DECISION SUPPORT

fact sheet

Test Sessions

Decision Support Studio also provides robust rule testing and validation capabilities. Test sessions not only show you the outputs of rules, but also the intermediate logic values. Inputs to rules can be either current data values or historical data values.

Enhanced Testing Capabilities

If a problem exists that requires you to look at data to solve it, System 1 can do it for you with Decision Support Studio. If you are manually looking at data and making decisions based on that data once a week, every day, or any other interval—Decision Support Studio can automate this process to save you immense amounts of time. In addition, you will no longer miss alarms and other events that you choose to be notified about—allowing you to take appropriate action, which is a far more proactive strategy.

Decision Support Studio Developer Edition

Decision Support Studio Developer Edition is designed for broader deployment of rules—targeting advanced users such as corporate engineers, machinery engineers with plant-wide responsibility, or plant or facilities management. It includes all the capabilities and benefits of Decision Support Studio plus more advanced testing capabilities; a Development Library; RuleDesk Developer* for RulePak* creation and life cycle management; as well as enhanced security options.

Development Library

Decision Support Studio Developer Edition allows for the authoring, testing and management of rules in a Development Library. This library acts as a repository for embedding knowledge in a secure isolated environment.

RuleDesk Developer

The RuleDesk Developer is the development tool for creating rules in a Development Library. In addition, RuleDesk Developer rules can be grouped by common application into a RulePak. These RulePaks can be managed through a complete life cycle which includes testing, documenting, revision control, and security protection. While Decision Support Studio with RuleDesk Pro is geared for focused deployment of rules, Decision Support Studio Developer Edition with RuleDesk Developer includes the necessary features for broad deployment across multiple plants.

Enhanced Testing Capabilities

In addition to the current-data-value and historical-data-value testing capability provided with Decision Support Studio, the Developer Edition supports user-defined value inputs to allow a rule developer to test known inputs against expected outputs.

The Developer Edition also supports third party data test sessions which allows you to test rules using data from any third party historical data source.

Enhanced Security

In addition to the security provided by Decision Support Studio, the Developer Edition adds additional security capability:

• Library Connection Security

• RulePak Distribution Security

• RulePak Import and Application Security

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:

Bronze	24/7 Tech support from our outstanding team of professionals The latest software upgrades available
Silver	Remote software optimization and machinery diagnosticsH
Gold	Onsite asset care

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