Asset Optimization

Maximize the productivity of your assets by utilizing the power of the Internet of Things (IoT) in Decisyon App Composer (DAC)

A Decisyon App Composer Asset Optimization Solutions Brief

The Internet of Things (IoT) challenges companies to make the most of their assets and to maximize productivity. Utilizing assets—whether equipment, devices, or data—to their greatest potential is a challenge that faces most businesses today, regardless of size. When assets are mismanaged or underutilized, equipment failures occur and operating expenses increase, both of which result in lost opportunities and lower revenues. Asset Optimization solutions built with Decisyon's App Composer (DAC) deliver:

- Improved decision making

- Avoidance of equipment failures and increased production uptime

- Accurate predictions of equipment maintenance needs

- Life extension of existing assets

- Reduction in the cost of asset repairs

- Maximized team productivity

OVERVIEW

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DAC Solutions

Asset Optimization solutions built with DAC improve asset utilization, recommend options for improvement and implement relevant actions. Designed to integrate real-time data from multiple systems and sources, the Asset Optimization solutions provide a single point of access to critical data being generated by key assets such as manufacturing equipment, electricity and wind turbines, oil and gas exploration equipment, healthcare devices and others. Feeding historic trends and real-time data into predictive models, operations teams can instantly identify maintenance and upgrade requirements before failures occur.

Decisyon's Asset Optimization solutions support alerting as well as cross-functional collaboration and decision making across departments and functions. The solutions enable users to execute functions and assign tasks without having to launch third party applications. The ability to collaborate in context and communicate in real time ensures that everyone is operating from a consistent view of the latest asset performance data, and they can work together to identify key issues and strategize on replacement, upgrade or maintenance requirements.

Capabilities

Key capabilities of the DAC Asset Optimization solutions include:

- Easy integration of IoT data from sensors, historian databases and other sources
- Unification of structured and unstructured information
- Self-service Asset Performance Dashboard, KPIs and alarms
- Graphical analysis of asset performance and resource consumption
- Collaboration across functions for faster decision making
- Tasks and workflow management
- Execution of decisions into other business systems
- Full mobile support

Business Impacts

Customers implementing DAC for Asset Optimization have achieved the following benefits:

- Significant cost savings and revenue improvements, by achieving higher asset uptime and more efficient asset monitoring
- Faster and more accurate decision making, due to DAC's unique in context collaboration capabilities, elimination of static spreadsheet models, unified reporting tools and built in capabilities for analyzing and modeling data
- Reduction in capital expenses associated with asset replacement and parts inventories due to improved asset performance and preventive maintenance capabilities
- Reduced overall downtime due to predictive maintenance, equipment's part inventory and management

About Decisyon

Decisyon enables business users to rapidly build solutions using a code-free visual software development environment. Our products accelerate your data journey from aggregation to visualization, insight, analysis and decision thru action. Decisyon offers the leading code-free visual software development environment for mission critical enterprise operations requiring real-time awareness and adaptability to their business operations and processes. We have developed and deployed many vertical solutions for the manufacturing, renewable energy, aviation, pharmaceutical, financial services, transportation and automotive industries. With built-in microservices such as data management, BI, mashboarding, rules engine, collaboration and execution, Decisyon offers a dramatic increase in speed to outcome for building and modifying vertical solutions. Decisyon's products and software solutions, ideally suited for IIoT applications running on any PaaS, are used in over 200 companies globally. Decisyon is headquartered in San Francisco, California.

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