INDUSTRIAL CONTROL & AUTOMATION SYSTEM

Ops & Process Control

Gensym's powerful Real-time Expert System G2 automates the control and decision management of any complex system, process or simulation. It is an on-premise solution available in both 32-bit and 64-bit platforms.

Customer Success

Space program uses IgniteTech's Gensym G2 for real-time management of mission-critical systems

COMPANY
Space Program

ESTIMATED REVENUE
22 billion / year

INDUSTRY
Government

IGNITETECH SOLUTION
Gensym G2

DEPLOYMENT
On-Premise

SUMMARY

The space program uses Gensym to build control systems for testing and validation of space assets such as the "ground refueling system." Gensym is also used for fully autonomous control systems for deep space asset control, monitoring and simulation systems for deep space experiments in various scientific fields.

WHY GENSYM

Gensym was chosen for its ability for quick prototyping and productionization of expert system applications from within the same development/deployment system. The solution also saves time by leveraging other frameworks (e.g., programming language stacks like Java and Visual Studio) to reduce the time required to build the basic platform for real-time control.

CUSTOMER BENEFIT

Gensym provides autonomous control without human intervention, which has been far more cost-effective and safe. It has also reduced costs because simulations provide data-points and signals on the behavior of models before deploying control models in live assets.

CUSTOMER OUTCOME

Better information and control helps the program better deliver their mission. G2 systems monitor satellite telemetry and traffic, resolving problems and ensuring operational success from hundreds or thousands of miles away in real-time.

SOLUTION BENEFITS

- Real-time reasoning and inference engine for developing expert systems for simulation, process and production control
- World's only expert system platform that facilitates enablement of many use cases by providing a unified development, test, deployment and management platform
- Builds applications that cater to unique use cases in industries as different as terrestrial mining and manufacturing as well as telemetry-based management of space assets like satellites, aircraft engines and everything in between

For more information,
visit ignitetech.com/gensym

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