

The Power of Collaboration Working for You



PartnerNetwork™ Solutions from Rockwell Automation



The MiMiC Virtual Plant for Rockwell Automation PlantPAx™

MYNAH's MiMiC Simulation Software provides a real time, dynamic simulation solution for operator training and PlantPAx™ system acceptance testing, to be used throughout the life-cycle of a process plant.



LISTEN.
THINK.
SOLVE.™

What Does MYNAH Technologies do for Rockwell Automation Customers?

MYNAH Technologies' MiMiC Simulation software is a proven technology for dynamic process and IO simulation of PlantPax solutions. With the MiMiC Virtual Plant, PlantPax users can test their control systems and train plant operators with a dynamic, realistic simulation of their plant. MiMiC is built for Software Acceptance Testing and Operator Training.

MiMiC Simulated IO Drivers using EtherNet/IP™ and OPC that are specifically made for the Rockwell Automation Logix 5000™ and RSEmulate™ provides easy integration with PlantPax.



Company Profile

MYNAH Technologies is a leading provider of a life-cycle dynamic simulator that is used for a variety of purposes from automation system acceptance testing to operator training. MYNAH's MiMiC Simulation Software is used in more than 1,300 sites in 68 countries worldwide ranging from hydrocarbon production and refining to chemical, pharmaceutical and biotech industries. MYNAH Technologies was founded in 2004 and has been a Rockwell Automation Encompass Partner since 2011. MYNAH is located in a western suburb of St. Louis, Missouri.



Industries

MYNAH Technologies works with manufacturers in a number of process industries including:

- Oil & Gas
- Mining
- Chemical
- Pulp & Paper
- Life Sciences
- Refining
- Power

“The Virtual Plant for PlantPax using MiMiC Dynamic Simulation provides life cycle benefits for process plant operations. The business benefits are significant and address the demanding operations need of the process industry of 2014 and beyond”

Operational Challenges

Modern process automation is powerful; it is designed to help operators do their job better but it also introduces more risk and complexity. This is causing process plants to have greater challenges than ever before.

Operator Training Challenge

Highly automated plants require higher operator skills. This is causing an increased demand for ongoing training for plant operators.

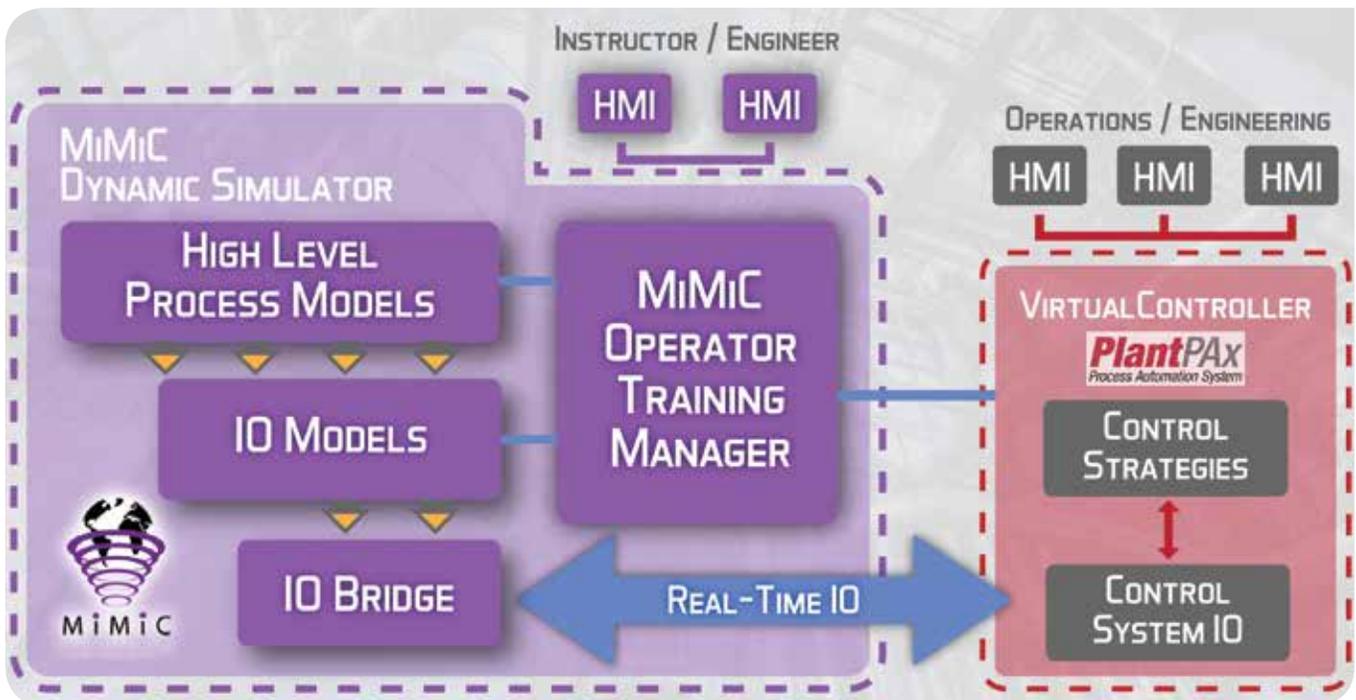
In addition, there is an extremely high percentage of operators approaching retirement age. The challenge Operation Managers are faced with is finding an effective and efficient way to conduct knowledge transfer from the experienced operators to the next generation of operators.

Control System Testing Challenge

As process automation is becoming increasingly more complex, thoroughly testing new control system configurations prior to deployment is crucial to avoid plant downtime and potential safety issues.

Simulation is the Solution

Operations managers that use the Rockwell Automation PlantPAX™ have a powerful tool available to combat these challenges. The Virtual Plant based on MiMiC Simulation Software is an enabling technology that allows process plants to address these issues and other operational challenges. Simulation allows operators to master process operations without affecting the actual plant. Test the control system before downloads/startups reduces risk while saving money and time. Plant operating procedures are validated and tested on simulators without impacting the actual process.



PartnerNetwork™

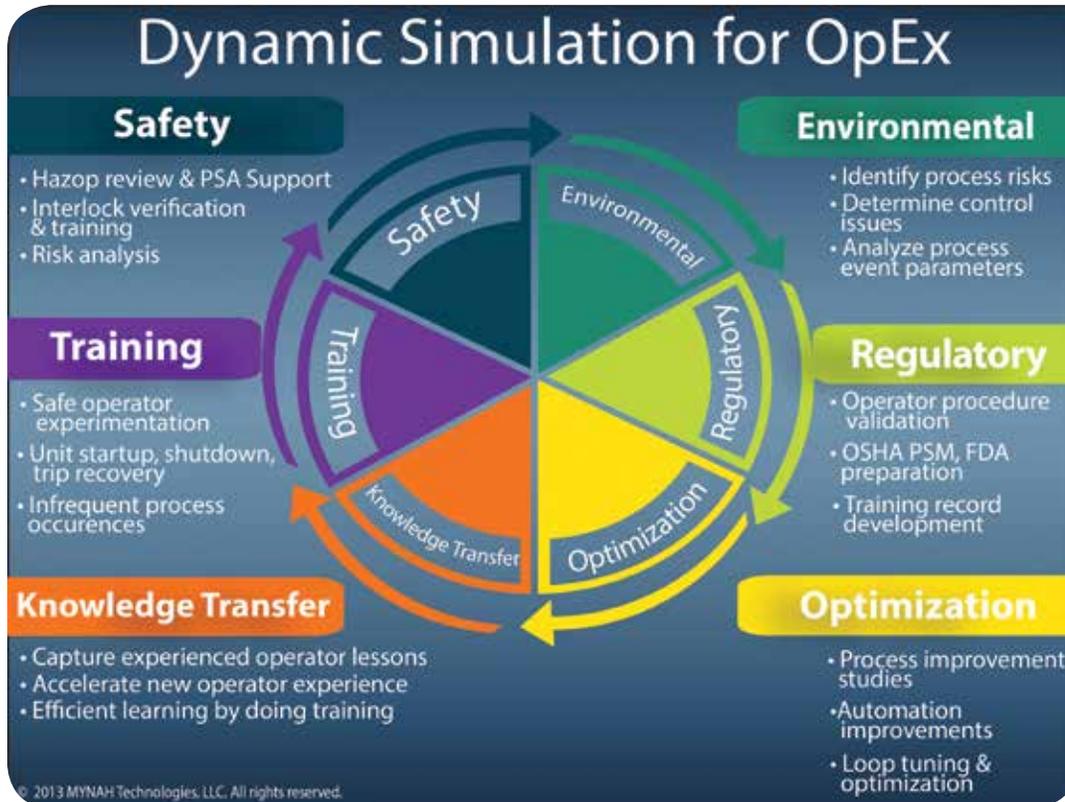
The PartnerNetwork program is a framework of well-managed relationships formed as a result of customer need. It provides manufacturers with access to a local, regional and worldwide network of best-in-class suppliers. These specialists offer the industry experience and technological know-how to help solve business challenges both large and small.

Through the PartnerNetwork program, Rockwell Automation delivers a wide array of solutions, easier access to knowledge and consistent delivery of solutions to help improve our customer's business results.

The PlantPAX Virtual Plant Delivers Results

By using this Virtual Plant to test the control system configuration and train the operators, incredible business results are achieved. In fact, the investment in the simulation system is usually paid for in business results before startup ever occurs. Our customers tell us that some of the business results they have achieved are:

- Reduced startup time and faster time to market, saving \$100 – 500K per day.
- Reduced off-spec product, increasing product quality, decreasing rework, saving \$50K to \$1M per batch or run.
- Lower operating costs due to lower unscheduled downtime saving \$5k to \$50K per hour.
- Reduction in control system or process failures and incidents that can cost \$50K to \$1M per incident.



Additional Information

For more information contact www.mynah.com

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