

UniSim[®] Operations Suite R310

UniSim Operations Suite R310 Released - On July 10th, 2007 Honeywell unveils our 4th major release of **UniSim Operate**, completing the integration of training features with our companion product **UniSim Design R370** released in March 2007.

UniSim's new architecture is designed in a manner that allows Honeywell to bridge past solutions with bold new technologies included with this release. What this means for our customers is that they can continue to reap ongoing benefits from previous UniSim investments while expanding training solutions in new areas with improved simulation technologies, a long-range roadmap and additional related applications.

Key Features of UniSim Operations Suite R310: Some of the key features of this release have been summarized in the following breakdown:

- UniSim Operations Suite now conforms to Honeywell software standards based upon Microsoft.NET Framework 2.0, .Net Studio 2005, VB.Net, Intel Fortran Compiler
- UniSim Instructor Interface and training tools is now fully integrated with all of UniSim's process modeling engines providing a convergence of the instructor and operator graphic environment through Experion HMI Web graphics
- UniSim Design R370 released March 2007 brings new support for refining markets to the Operations Suite enabling new dynamic reactors (FCC, CCR, HTR, HCR) and enhanced process stream, unit operations properties, transport and separation models for solids in catalyst, minerals, polymers models. UniSim Design is now offered in a Maintainer version complimenting the Run Time release for those customers desiring to update their own process models.
- UniSim Electrical Simulation Environment allows modeling of 3-phase power (voltage, current) networks and equipment further extending and enhancing the scope and fidelity of our training solutions for the Power Generation markets
- UniSim Control Modeling Environment - as UniSim and Experion PKS R301.1 release synchronize at R310, this year demonstrates a level of seamless integration where:
 - Experion PKS R301.1 Release – UniSim continues to support the most recent control updates release from the Experion PKS product line – included in this is:
 - Experion SimC300 is now in a restricted release phase under several key projects to gather feedback from engineering and training specialists using our products – full release of SimC300 will be in conjunction with the Experion Atlas R310 release
 - Device Net IO – additional support of IO channels
 - Experion HMI Web Graphics software is now released in support of the ASM Guidelines for Operator Graphics
 - HG, AM Point Emulation and Interface – the Proconex LCN-Sim Node has been added to UniSim portfolio to enable emulation of Honeywell Highway Gateway (HG) and Applications Module (AM) device parameters with OTS features (freeze, initialize, and snapshot).
 - UniSim Safety System Integration – improvements to the UniSim Engineering Toolkits make it easier to autogenerate connections between process IO and regulatory points
 - UniSim CCC Series V Interface – this interface allows integration of CCC's Compressor Surge Controller emulation for ultimate accuracy and control checkout capabilities with compressor models.

- UniSim ProcessSync – As this product evolves, support for Experion Cx00 control device algorithms and parameters has now been added to allow customers to capture plant incidents for training and simulator analysis on Experion systems.
- UniSim Foreign Language Support – Honeywell continues to expand in support of foreign languages for global customers. In this release, the UniSim Instructor Interface will be released in Chinese. UniSim Learning Management System has also been prepared to support foreign languages with initial support of the Japanese language.

UniSim Operations Suite R310 is presented as a completed release that fully engages Honeywell's 25 years of simulation experience in all market segments of the process industries; from our strong hold of the Oil & Gas, Refining and Chemicals (pure, polymers, aromatics) segments to recently active segments in Power and Mining.

In addition, Honeywell's UniSim engineering and product development organizations have grown to over 250 simulation specialists in over 25 locations driven by global acceptance of our solutions.

As UniSim can help engineers and operators visualize problems with a virtual representation of their plant, the decision-making process is improved in offline design and real-time operation. Customers are able to prepare their plant assets for safe and effective operation months ahead of the initial operations, off the critical path and prior to committing capital expenses.

While the objective behind UniSim is for operators to become familiar with their environment, there are other benefits to be realized from running the plant virtually – the process and equipment designs are evaluated and optimized, control systems and graphics become an effective portal to the plant and operating procedures evolve into fluid sequences of actions months before initial operations.

Customer Benefits of UniSim Operations Suite R310:

- Operating profits are accelerated through faster start-ups
- Operating profits are sustained through improved operational reliability, and
- Improved ability to avoid operating incidents, related damages (environment, personnel and equipment) and subsequent penalties.

New features allow customers to **enjoy improved benefits for more applications for less installed cost across a broader lifecycle of simulation applications.** UniSim Operations Suite R310 is a strong component of UniSim business and lifecycle applications. It engages a new community of model engineers, giving them the freedom to extend their engineering models to operator training applications. Customers are not just acquiring a technology; they are taking definite steps to ensure that their plants are ready for operation.

For More Information: Please contact Pete Henderson by e-mail at pete.j.henderson@honeywell.com or phone +1-519-640-6588. Also see the UniSim Operations Suite [website](#).

Please note that **BGP customers are entitled to an automatic upgrade to UniSim Operations Suite R310.** Contact OTS Support (ots.support@honeywell.com) to obtain your upgrade.

Training is available and can be arranged either at your site or at a Honeywell office. Contact us for more information: E-mail unisim.support@honeywell.com or call 866-392-8748 (toll-free North America) or +1-403-509-1379 (International).