UniSim® Competency Suite
Replicate the Performance of Your Best Operator Every Day, Every Shift
In today’s environment, process plant safety, reliability and performance are key priorities for the process industry. Process automation systems are becoming more complex and interdependent, placing greater demands on personnel responsible for safe and efficient process operations.

The performance of your operations staff can have a significant impact on product quality, profitability and company reputation. Fully competent field and console operators make better decisions, resulting in fewer process upsets and improved environmental performance, while positively contributing to employee health and morale. Operator Competency tools enable the development of a high quality competent workforce faster, safer and more effectively than other alternatives.

The productivity of any industrial facility starts with control room and field operators, and their ability to correctly and consistently perform critical jobs in a skilled and knowledgeable manner. But how can you ensure a competent workforce when faced with external pressures such as attrition, retirements, changing regulatory requirements and increased operational challenges?
Make Your Personnel More Effective

Now, more than ever, the process industries are looking for tools and techniques to elevate operator skills, accelerate their understanding of complex processes, and provide all staff with the opportunity to reach their full potential.

Honeywell has the solution you need.

A worldwide leader in Operator Training Simulation (OTS) technology, Honeywell Process Solutions offers the UniSim® Competency Suite, an integrated, scalable collection of tools that enable process industry firms to plan, deploy and deliver a structured console and field operator competency management program.
The UniSim Competency Suite Includes:

**UniSim Operations**
- Industry leading Operator Training Simulator (OTS) technology based on rigorous dynamic process simulation model(s)
- Ensures a clear understanding of the full range of process plant behaviors under normal and abnormal situations
- Accelerates knowledge transfer by consolidating an entire lifetime of experiences into a concise training curriculum
- Features realistic process, control and safety systems modeling combined with a Distributed Control System console interfaces and/or emulation capabilities to ensure a realistic console operator training experience
- Includes field operator HMI capabilities to support coordinate operations team training.

**UniSim Curriculum**
- A framework for a structured operator competency program
- Employs an ASM Consortium research competency model for field and console operators to help firms establish, deploy and maintain a comprehensive competency program
- Supports full customization and expansion of the competency model including new roles, responsibilities and competencies as specific circumstances and requirements dictate
- Helps ensure your trainees demonstrate and perfect critical requisite skills and behaviors, while tracking their progress and gaps.

**UniSim Tutor**
- Knowledge-based training and assessment tool to ensure operators make the right decisions
- Provides a proven method for knowledge capture and propagation
- Teaches and evaluates “what if” reflexes and diagnostic abilities
- Easily customized to any plant situation with a simple, scalable format for rapid deployment as part of an operator competency program
- Complements other modes of training such as UniSim Operations; integrates with UniSim Curriculum.

**UniSim Field View**
- Delivers an interactive, navigable, panoramic view of industrial plants using actual facility photographs for field operator training
- Further extends the UniSim Operations field operator simulator training to provide a safe and realistic training environment for realistic field orientation and procedural operations
- Prepares field and console operators to work as a team to make better decisions, reduce mistakes and improve performance.

**UniSim 3D Connect**
- Provides UniSim Operations simulator integration and connectivity to third party 3D virtual environments
- Provides credible, realistic and immersive field operator instruction and training capability before the plant is built
- Optimizes field orientation, procedural awareness and readiness under normal and abnormal situations.

**Powerful Tools Capture and Propagate Knowledge and Experience**

The UniSim Competency Suite is based on more than 30 years of experience developing and delivering Operator Training Simulators in the process industry combined with research from the Abnormal Situation Management® (ASM) Consortium, a group of leading companies and institutions focused on developing solutions for avoiding and mitigating the effects of abnormal situations in the process industries. The suite includes robust software solutions to effectively advance and provide process operations competency management leading to safe, incident-free and efficient startups, shutdowns and daily operations.
Benefits Impacting Your Bottom Line

With Honeywell’s integrated UniSim Competency Suite, your industrial operation can realize substantial financial returns impacting its bottom line. A more knowledgeable and skilled staff equates to greater efficiency, improved reliability and higher overall operational quality.

Experience has shown the UniSim solution will become an indispensable part of a company’s process plant technology infrastructure.

Better Training for Improved Performance
UniSim Competency Suite will enable your plant personnel to acquire the knowledge, skills and behaviors necessary to maintain operational performance at the highest levels. Its robust competency model can be used to develop training mechanisms helping operators gain the required proficiency for a particular job function. The UniSim solution also provides instructors with the assessment tools needed to measure the development of individuals, shifts and sites as they progress toward achieving their goals.

The knowledge and experience gained by implementing the UniSim Competency Suite provides field and console operators with key skills to effectively and confidently operate the process plant. The benefits of a high quality competent workforce are many and include:

- Fast, safe and efficient plant start-ups and transitions
- Smooth and stable day-to-day operations with consistent product quality and unit performance
- Ability to recognize, react and even prevent abnormal situations leading to improved safety, environmental performance and reliability
- Reduced operating costs and improvement in asset utilization contributing to an overall improvement in process unit performance and profitability.
UniSim Competency Suite can help your company train its workforce faster in a more realistic environment to drive safe, incident-free, efficient startups and ongoing operations.
Rely on Honeywell for Expert Support

UniSim Competency Suite comes with worldwide premium support services through Honeywell’s Benefits Guardianship Programs (BGP). The BGP programs are designed to help our customers improve and extend the usage of their software and the benefits they deliver, ultimately maintaining and safeguarding their software investment.

We also back all of our products with a comprehensive warranty and a Technical Assistance Center staffed by personnel with solid product knowledge.

Because Honeywell understands the needs of industrial operations, we deliver more effective ways to optimize plant processes, ensure greater safety and reliability, and improve your bottom-line results.

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For More Information
To learn more about Honeywell's UniSim Competency Suite, visit http://hwll.co/UltimateOperator or contact your Honeywell account manager.

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