

IMMERSIVE FIELD SIMULATOR (IFS)

Experiential learning opportunity
for field workers in Immersive &
Safe Virtual plant environment

Service Note

Honeywell Immersive Field Simulator (IFS) provides a virtual replica of the physical plant integrated with a digital twin of the process through our UniSim OTS to create a unique and collaborative learning environment.

THE CHALLENGE

Human capital challenges for industrial sites are multiple: ranging from evolving technology, demographic changes to globalization and increasingly competitive markets.

Industry-wide surveys suggest traditional training tools and approaches fail to meet the mark when it comes to making industrial personnel better at their jobs. Seven in ten say they lack necessary skills and acquired skills from training interventions are lost in just six days if not immediately applied on the job.

While these concerns aren't new, the focus and urgency has been increasing at an escalated rate. Increasing retirements, tightening of headcount, limited site access, travel restrictions and continued focus on business results have affected the way we manage our facilities, people, technology and budgets. From digital transformation to the rise of robotic support systems, one thing is clear: innovation and adoption of technology are the essential building blocks to drive continued success.

HONEYWELL IFS

Honeywell Immersive Field Simulator (IFS) is here to address these challenges. It combines our cutting-edge Immersive Competency solutions with our market-leading expertise in operator training simulation (OTS), to create a unique and collaborative learning environment.

Our solution enables you to increase your worker competency while enhancing safety, so you can maximize your plant performance.

Honeywell's Competency Management Solution concentrates on the one element of your plant you rely on the most, your people.

Unlike your plant assets, your people are mobile and are the key enabler of your plant's safety and productivity. Their skills vary by individual with each one learning and retaining knowledge differently.



FEATURES

Hardware

- Windows Mixed Reality Gaming Laptop
- Windows Mixed Reality Head Mounted Device

IFS Software

- Plant Virtual Walkthrough
- Read Measurements from field instruments
- Inspect equipment
- Rounds and Sampling
- Equipment Transparent View

IFS Software

- PPE and tools catalog
- Interact with equipment (e.g. open/close valve)
- Execute lessons/tasks/SOPs
- Multi-user collaboration

Honeywell

IMMERSIVE FIELD SIMULATOR (IFS)

Honeywell's competency management offering provides an everyday simulation solution for every plant. It employs cloud technology to establish an immersive and realistic virtual environment for simulating standards in the plant. Instructors and trainees gain ready access to robust teaching tools. Directly relevant to the job at hand, this approach offers a fast and safe way to learn. It increases the retention of skills learned, including the use of new systems and components. On-the-job learning is also expedited, with years of troubleshooting experience condensed into a much shorter period. IFS provide a unique tool that not only simulates the working environment for both panel and

field operators but also enables interaction between the two. Workers learn key tasks and the collaborative and communication skills that are essential for effective operations.

Improving teamwork, and providing a more engaging and unpredictable learning experience for all workers, IFS helps improve a range of key competencies:

- Familiarization with Plant Layout
- Line tracing and location of equipment
- Startup, shutdown, malfunctions and normal plant operations
- Troubleshooting
- Rounds and sampling procedures
- Lock-out, tag-out, and equipment isolation.

SYSTEM REQUIREMENTS FOR IFS:

- Windows Mixed Reality Gaming laptop
- Mixed Reality Head Mounted Device and Hand Controllers
- Server (for On-premise deployment)

For More Information

To learn more about Immersive Field Simulator, visit www.honeywellprocess.com or contact your Honeywell Account Manager.

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SO-20-07-ENG | 07/2020
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FUTURE
IS
WHAT
WE
MAKE IT

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