

# **ADVANCED** **MIGRATION** **TECHNOLOGIES**

Unlocking the flexibility you need for a better migration



**Honeywell**

# MAKE ENGINEERING FREEZES OBSOLETE

For process plants, design flexibility is critical for optimized production, but during Experion migrations some constraints have applied. Honeywell's Advanced Migration Technologies (AMT) Release 143 answers the challenge. It gives users immediate migration capability while letting them make necessary Experion configuration changes to maintain process performance.

## INSTANT ACCESS, ZERO WAIT

With AMT R143, you can easily make engineering changes during the migration process – and make the engineering freeze a thing of the past. Control Builder tools enable you to alter control strategies and give additional flexibility to continuously optimize production. It unlocks new levels of migration efficiency:

-  Eliminate three weeks of frozen engineering time while the system is migrated in the Honeywell Data Center by the Migration Center of Excellence (COE)
-  Realize unprecedented flexibility during the migration, making configuration changes as needed to improve production or preserve safety
-  Continuously optimize the process
-  Minimize interruptions to the production site

## UNFREEZE ENGINEERING TO UNLOCK PERFORMANCE

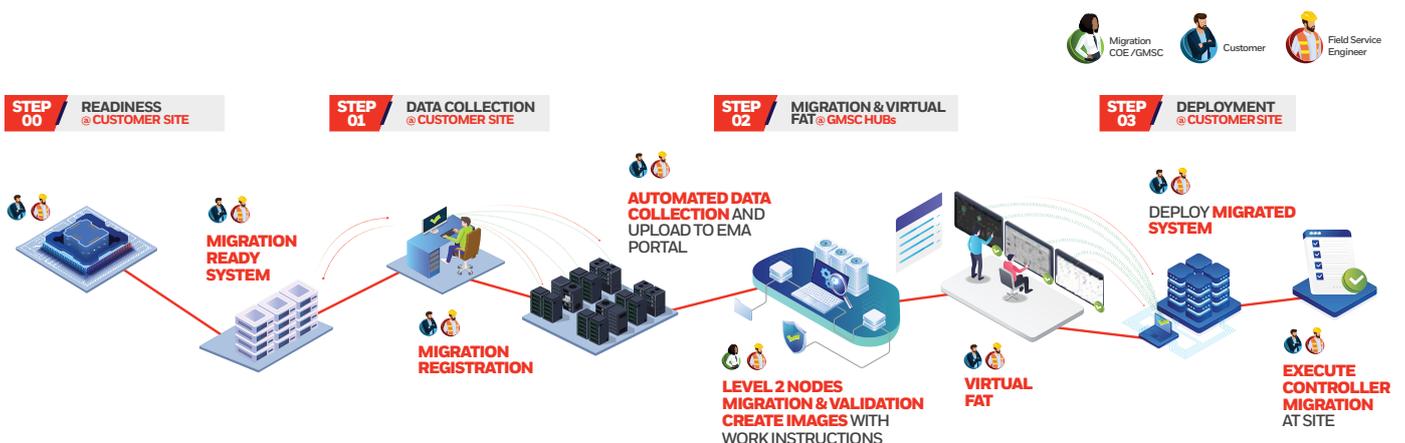
Plants have long had to choose between delaying migrations that could improve efficiency, reliability and safety for their plant, and disruption to their operations. AMT gives plants access to both the latest control technology and uninterrupted operations.

It enables lower-risk, less disruptive migrations done by Honeywell offsite. And your plant remains fully productive and competitive throughout.

## MOVING TO A MORE EFFICIENT MIGRATION WORKFLOW

The standard AMT workflow begins with an early review of the system's migration readiness and correction of detected issues. It's three simple steps to migration:

- **Step one** collects the minimum required data using our automated data collection tool, cutting engineering time and effort;
- **Step two** sees our Global Migration Support Center perform the migration and apply best practices to avoid known issues, ensuring an efficient, accurate process;
- **Step three** enables the site team to download and validate the integrity of the images before restoring them to the site system, again reducing the risk of disruption, and completing the Experion PKS L2 node migrations.

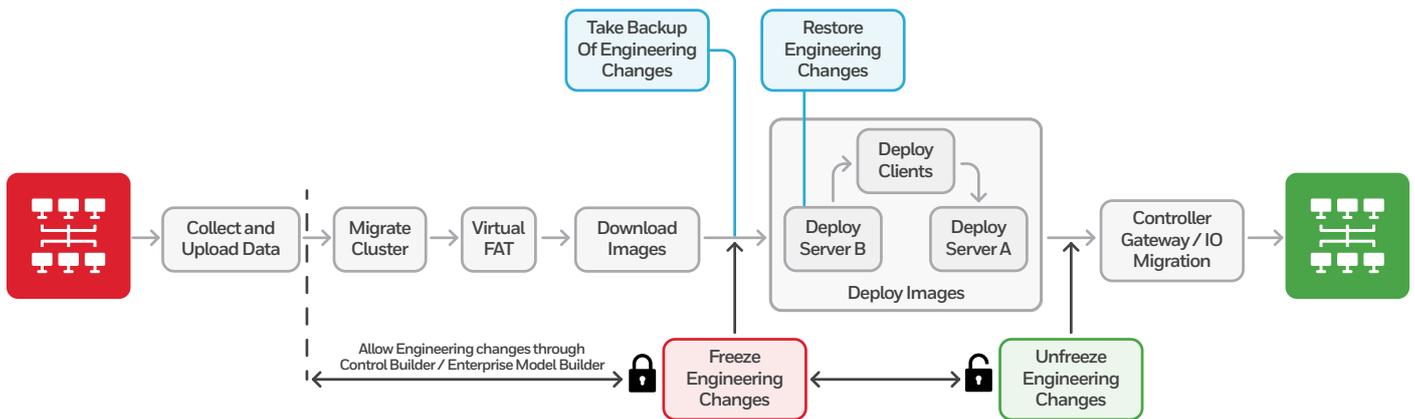


# TACKLING THE ENGINEERING FREEZE

In the standard AMT operation, the engineering freeze is the lock on certain engineering functions that begins during on-site data collection and continues until the images are completely deployed. It typically lasts for up to 21 days. This remains the recommended route for users who can function without making engineering changes over that period.

Even within the standard AMT workflow, many types of engineering changes are possible. They include changing ranges and alarms and replacing field transmitter, as well as other changes. Wider engineering changes were also supported via an Optimized AMT workflow but required a second on-site data collection. This reduces the engineering freeze to 11 days but does not eliminate it.

AMT R143 builds on this base for even greater flexibility.



# ENTER AMT R143, EXIT THE ENGINEERING FREEZE

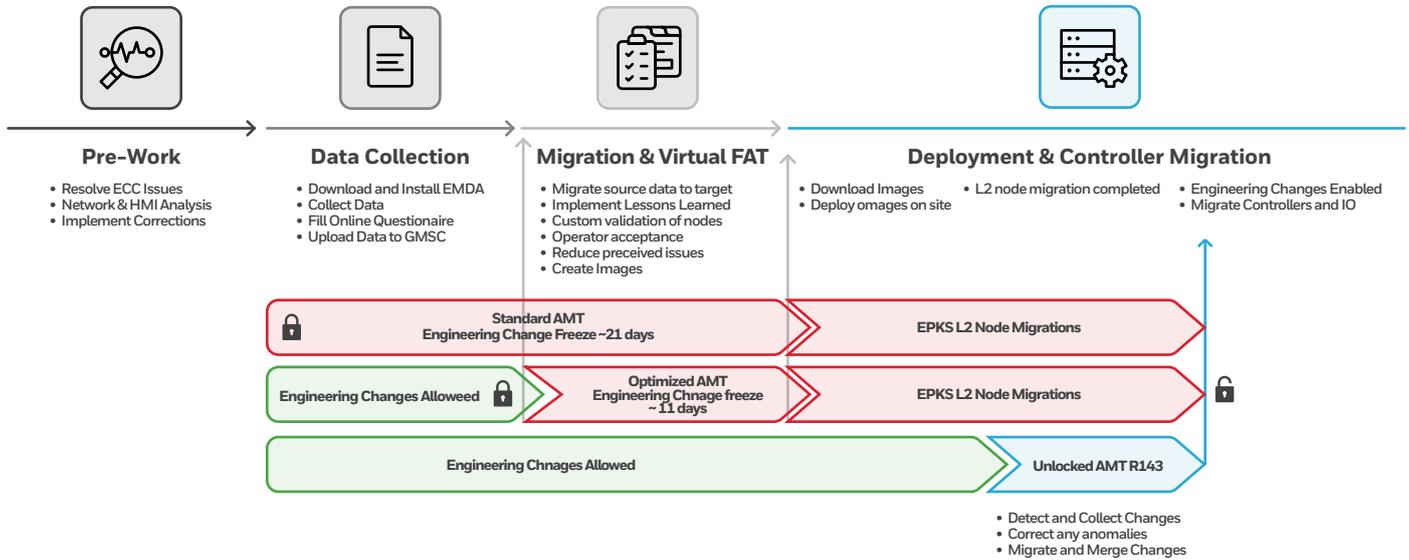
AMT R143 offers a radical new workflow that eradicates the engineering freeze, allowing for a full range of user changes throughout the migration. With cluster migration and virtual factory acceptance testing in the Cloud, users have access to Control Builder and the Enterprise Model Builder throughout for any engineering changes they need to make.

For Experion Systems on R501 or later, migrating to R520 or R530, AMT R143 makes the engineering freeze a thing of the past.

## ENGINEERING FREEZE COMPARISON

OPTION	STANDARD AMT	OPTIMIZED AMT	UNLOCKED AMT R143
Pre-migration data freeze period	21 days	11 days	0 days
Designed for	All users on Experion® R410.2 or later	All users on Experion® R410.2 or later that need to make changes to their system during the migration period	All users on Experion® R501.x or later, migrating to R520.2 or later that need to make changes to their system during the migration period and are unable to freeze their database for 11 days
Change from standard AMT technology	No change, just all the benefits of the standard AMT technology	A second data collection allows users to enjoy the benefits of the standard AMT technology while introducing necessary changes to their system	Additional time at the site and evaluation of the impact of the changes performed on the system. Users continue to benefit of migrated L2 nodes images, fully patched and verified by the Migration COE

## Users can now choose the AMT process flow that best suits their operational needs



## MORE AMT R143 BENEFITS

AMT R143 doesn't just remove the engineering freeze. It's also quicker.

It optimizes the AMT Data Center's HMI display migration activities, so they continue in parallel, reducing the typical AMT cycle time by 1-2 days. AMT's engineering reduction capability with R143 gives you the versatility needed to continue to keep your process at maximum production all this time and throughout the migration.

AMT R143 significantly enhance migration flexibility:



Instant access to migration capabilities while making process changes



Support for continuous control strategy modifications



Streamlined workflow integration



Broader scope of engineering changes



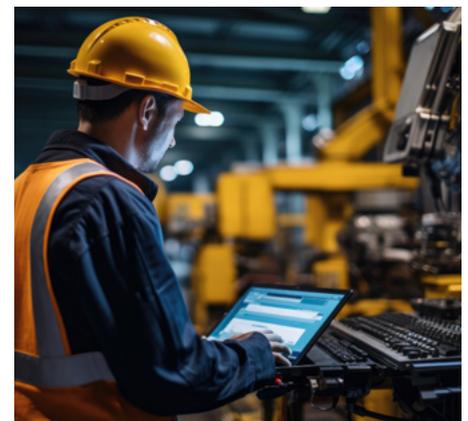
Parallel processing of migration tasks, such as HMI acceleration

## UNLOCK A BETTER MIGRATION

- ✓ Reduce overall risk
- ✓ Less on-site engineering effort and operation disruptions
- ✓ Shorter overall upgrade execution cycle
- ✓ Efficient process workflows
- ✓ Less downtime and unplanned disruptions
- ✓ Improved migration confidence

## MOVING WITH THE EXPERTS

Every AMT migration is supported by Honeywell's Global Migration Support Centre (GMSC), a global team dedicated to providing migration support across the HPS portfolio. Drawing on the experience of 15,000+ migrations, they give all our users access to best migration practices and a rigorous, robust and proven process. With AMT's automation efficiency and GMSC's experience and commitment to continuous improvement, we deliver better quality migrations in a shorter cycle time.



## WHY HONEYWELL?

With Advanced Migration Technologies and a global migration support network, Honeywell help users around the world increase production rates, reduce maintenance, maintain regulatory compliance, manage risk, extend the life and performance of systems, and improve responses to changing business demands – all with minimal impact to their day-to-day business.

For plant owners and operators, Honeywell's AMT offers continual support that makes modernization smoother, shorter, and less painful. Advanced cloud-based control systems and Honeywell's global support network allow plant owners to make necessary upgrades that once took weeks or months from anywhere in the world with minimal operational impact.

We're committed to delivering the effective migration strategies you need, minimizing disruption, downtime and risk – and giving you access to the latest, most powerful control technologies.



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