

BENEFITS GUARDIANSHIP NEWSLETTER

QUARTERLY NEWS / Q3

Welcome to the quarterly Benefits Guardianship e-Newsletter. Here you will find the latest product updates, new release information, industry news and Honeywell Connected Industrials solution articles.

This issue includes information on:

- *Uniformance Process Studio Transition to Uniformance Insight*
- *Honeywell Inspection Rounds: App Group of Movilizer Portal*
- *Honeywell Blending & Movement R530.2 Point Release*
- *Honeywell Workforce Competency Known Issue - Experion Security Update Impact on the OTS Project*
- *UniSim Design R500 – UniSim Connect : UniSim AltView and UniSim API*
- *Honeywell Alarm Management: Experion upgrade to R520/530 causes DynAmo M&R Collector Data Corruption*
- *Honeywell Operations Management – Knowledge Article Quarter: Summary of Articles – 2024*
- *Intuition Forms End of Life Announcement*
- *Honeywell Production Management - PAR R212.3 point release available*
- *List of Knowledge Articles published to Process.Honeywell.com*

If you have any questions or comments, don't hesitate to contact us:

GlobalBGPDeliveryCentre@honeywell.com



ENTERPRISE DATA MANAGEMENT

- Uniformance Process Studio Transition to Uniformance Insight Announcement

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HONEYWELL BLENDING AND MOVEMENT

- HBM R530.2 point release

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- UniSim Connect : UniSim AltView and UniSim API

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- Knowledge Article Quarter: Summary of Articles – 2024

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HONEYWELL PRODUCTION MANAGEMENT

- Intuition Forms End of Life Announcement
- PAR R212.3 point release available

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Enterprise Data Management

Uniformance Process Studio Transition to Uniformance Insight Announcement

This is a reminder that Uniformance Process Studio (UPS), our legacy process visualization solution, reaches **end of life effective April 30, 2025**, at which point, support entitlements shall be phased out.

With this in mind, Uniformance Process Studio will no longer be available for sale and BGP support release upgrade from June 28, 2024.

Customers utilizing Uniformance Process Studio are encouraged to migrate to Uniformance Insight (UI), our web-based visualization product.

Uniformance Insight provides an appealing user experience where information is easily monitored and explored for effective analysis and troubleshooting by engineering, operations teams and other key personnel. Your organization benefits from greater process intelligence, enabling smarter and faster data-driven decisions.

Note

- UPS licenses can be converted (1:1) to UI licenses at **no extra cost** for active BGP customers.
- The next release of Uniformance Insight R2.5.0 is scheduled for July 2024.

Please contact your Honeywell sales representative to answer any questions you may have.

UI FEATURES AND BENEFITS

- True thin client
- No need to push software and patches to end-user devices
- Device and operating system independent
- Call up displays from a browser link
- Public and private workspaces
- Intuitive drag/drop trending
- Customizable tag ranges
- Trend targets/limits
- Trend with alarms and events
- Stacked charts
- Trend annotations
- Customizable trend styling
- Quick trend in a separate tab
- Powerful HTML5 graphics with optional scripting
- Extensive shape library
- Data-bound controls
- Condition-based color changes
- Build environment based on familiar HMIWeb tools
- Trends in graphics
- Workspaces combine trends, graphics and tables
- Synchronized time navigation
- Easy maximize a tile
- Navigate using a custom menu or asset model
- Connectivity for PHD, third-party historians, databases and a wide variety of application data sources
- Leverage your existing application asset model
- Share a workspace just by sending a link
- Single Sign On available through OpenID Connect (OIDC)
- HTTPS support

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Honeywell Inspection Rounds

Introduction of App group feature


Honeywell Inspection Rounds (HIR) is a digital solution designed to streamline, automate, and enhance the process of conducting inspections and routine checks across industrial facilities. It replaces traditional, paper-based inspection methods with a fully digital, mobile-friendly system. It enables workers in the field to conduct rounds using mobile devices, ensuring that all data is captured in real-time, reducing errors, and increasing the accuracy of inspections. The digital process helps streamline inspections by making task management, reporting, and analysis more efficient. This newsletter covers the benefits and functionality of the App group.

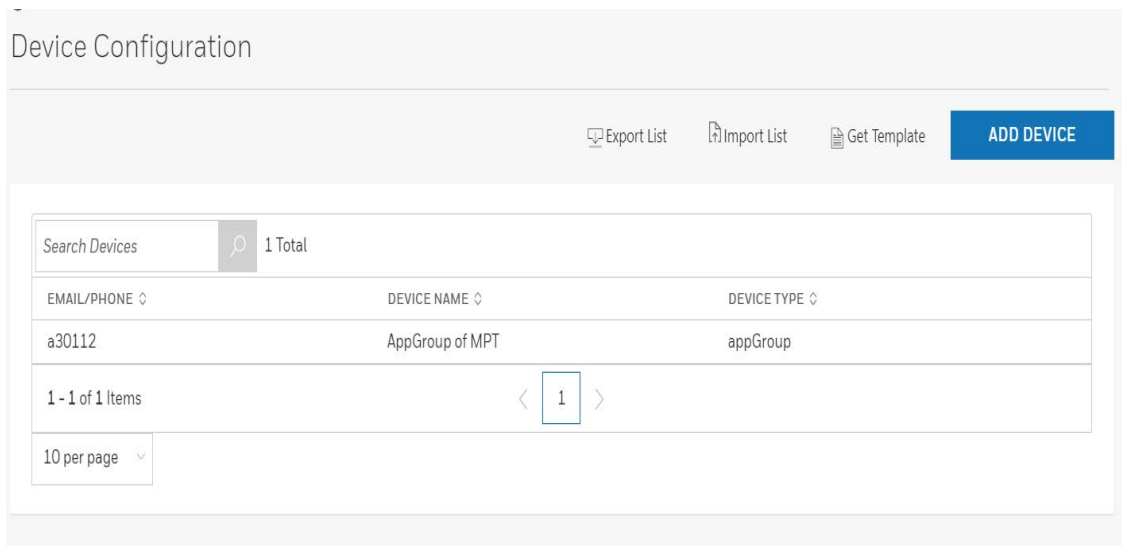
The App Group feature operates similarly to mobile **Device accounts** but provides greater efficiency for assigning rounds across multiple devices. Each level has its specific App Group, so when the user logs in, they automatically receive the rounds assigned for that group. Instead of assigning rounds to individual devices, rounds can be assigned at the App Group level.

The App Group functionality helps to prevent missed rounds by improving round synchronization across multiple devices. When rounds are assigned to multiple devices individually, completing the round on one device may cause the round to appear missed on others, impacting compliance. To avoid this, rounds can be assigned to an App Group. This allows multiple devices to log into the same App Group account, ensuring that the round status is synchronized automatically across all devices, preventing compliance issues. This is especially beneficial in large organizations that involve many inspection rounds.

App Group account in the Movilizer portal

App Group accounts are automatically generated at the time of the level creation. Each level and its sublevels have their own App Group account. To view an App Group account, follow these steps:

1. Navigate to **EasyConfig**.
2. On the left panel, select the  **Manage Devices** icon.
3. From the **Asset hierarchy & Task** at the **Enterprise** level hierarchy level tree on the left, choose the level where you want to view the App Group account.
4. If it's an App Group account, the device type field will be **appGroup**



Pic 1: App Group account details.

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Updating an App Group account password

Perform the following steps to update the app group account password.

1. Navigate to **EasyConfig**.
2. Choose the relevant level that you want to edit from the Enterprise tree or choose from any parent level.
3. On the left, rest your cursor on the level that you want to edit and choose **...** on the right.
4. Choose **Edit Level** from the dropdown list.
5. To change App Group Password, enter the new password in the **Update App Group Password** field.

App Group Id	App Group Description	Update App Group Password
a30112	MPT	*****

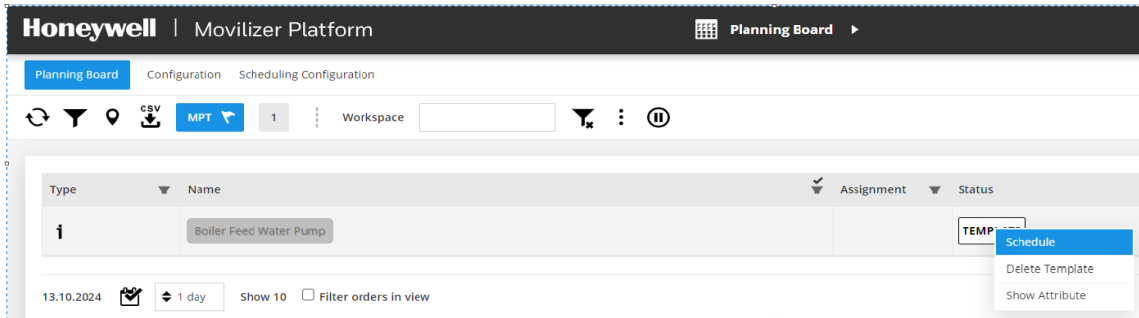
Pic 2: Updating app group password

6. Choose **SUBMIT**.
A notification indicates whether the level has been successfully edited.

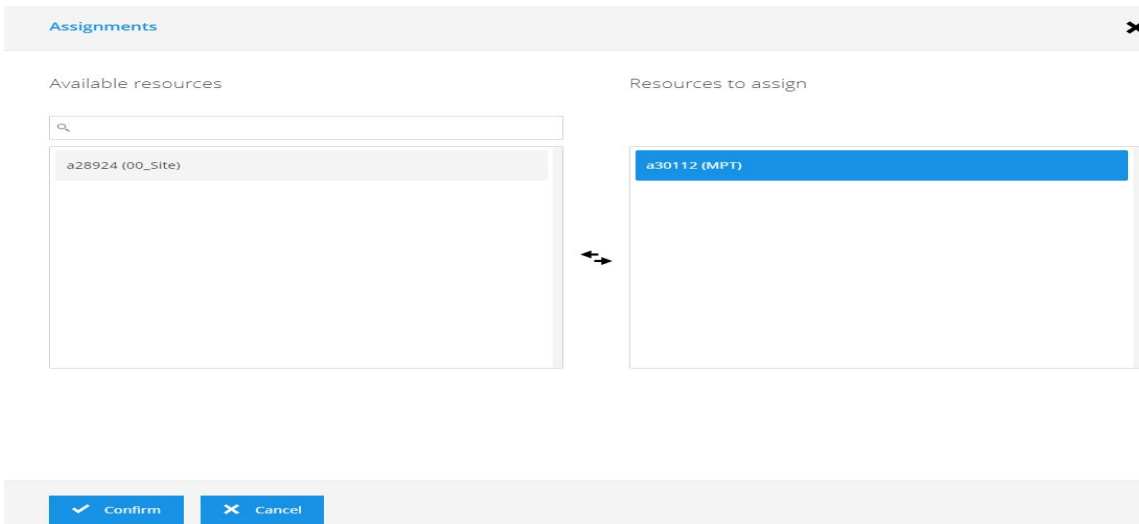
Assigning app group account to the Round templates

Perform the following steps to assign app group accounts as resources to the round template:

1. Navigate to the **Planning Board**.
2. You see the available Round templates in the Rounds table. The Round templates are displayed with the TEMPLATE status tag in the round Status column.
3. Right-click the round template that you want to schedule and choose Schedule from the context menu.
4. The Scheduling dialog opens. Select the frequency, duration, and start time for the template.
5. Choose **+** in the upper right corner of the **Assignments** section.
6. The Assignments dialog opens.
7. You see the available app group accounts on the left.
8. Select the app group account that you want to assign to the Round template.
If your template is located in a sublevel, you can view all parent-level App Group IDs. Choosing the appropriate sublevel App Group will result in faster performance.
9. Choose **Confirm** to save your assignments. You return to the Scheduling dialog.



Pic 3: Scheduling round templates



Pic 4: Assigning app group to the round templates.

App Group account login in the mobile device

Perform the following steps to login to the mobile device with App Group id.

1. Start the Movilizer client from the app menu on your device. The device Login page opens and prompts you to log in.
2. In the ID field, enter the app group ID, for example, a30112
3. In the Password field, enter the password of your app group account.
4. Choose **OK** in the footer bar to log in to the client. The **Synchronization** window opens and the synchronization starts immediately. The client downloads all data necessary to run Honeywell Forge Inspection Rounds on your device.
5. When the synchronization is finished, choose **OK** in the footer bar. The Synchronization window closes and the Honeywell Inspection Rounds user LOGIN screen opens.
6. The client can now connect to the cloud. Workers can log in to Honeywell Inspection Rounds on this client by using their Honeywell Inspection Rounds user accounts.

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HIR SaaS Updates details

Honeywell Inspection Round R8.4.5 has been updated in the last quarter. Below are the details of the update.

Honeywell Inspection Rounds R8.4.5 update

[MOVOR-19353] - HFIR-Rest: Pen Test Observations

[MOVOR-19303] - MAF - [IR][com.or.MasterDataCache] Couldn't update MD in the cache.

[MOVOR-19319] - Mobile - Eula web link not available

[MOVOR-19343] - Mobile - Reexecuted round (Missed) always shows the status as -

[MOVOR-19370] - Sizing: Documents not getting deleted when deleting assets/tasks/templates

[MOVOR-19336] - Mobile Users can't be created through excel

[MOVOR-19367] - SSRS - User when deletes the Deviation from Portal, round report still shows this task in the report

[MOVOR-19366] - Performance: Execution of script fce139ea-9e05-43ff-ae3b-9adeae12adce (description = "Script to clean up issues and related data for all levels") in system 20002 has timed out after 20 seconds

[MOVOR-19141] - EasyConfig : Configuration changes - Part I

[MOVOR-19194] - EasyConfig : Enable/Disable toggle for password complexity with pop up and default value save

[MOVOR-19171] - Mobile: Adjustable pw complexity for field worker

[MOVOR-19172] - HFIR-REST: Adjustable pw complexity for field worker

[MOVOR-19142] - EasyConfig : Configuration changes - Part II

[MOVOR-19195] - EasyConfig : Test case changes for MOVOR-19194

[MOVOR-18953] - bulk cleanup the old issue masterdata on demand - part 1

[MOVOR-19001] - HFIR-REST: Remove comments, attachments, references and relevant indexes when the issue MD is deleted

[MOVOR-17808] - MAF: Cleanup of old round reports data - Part 1

[MOVOR-18987] - MAF: Cleanup of old round reports data - Part 2

[MOVOR-19180] - HFIR-REST: Adjust migration script for RIL MFG

[MOVOR-19224] - avoid "Access-Control-Allow-Origin" header with wildcard "*" value

[MOVOR-19227] - security remediation oidc-auth

[MOVOR-19261] - MAF: Identify and fix the java 17 compatibility issues in MAF scripts Part 2

[MOVOR-19225] - MAF: Identify and fix the java 17 compatibility issues in MAF scripts

[MOVOR-18921] - Upgrade GridGain to latest version 8.9.5 and validate ND

[MOVOR-19253] - Connector: Address R8.4.5 build issues

[MOVOR-19220] - security remediation and sonar fixes for hfir-service-rest

[MOVOR-19182] - Process new Round Sync Status DC and alert if not all the round instances are synced in devices

[MOVOR-19183] - Dashboard : Fix the spacing issue

[MOVOR-19187] - NativeDashboard : Change color of assigned , skipped and reviewed rounds

[MOVOR-19199] - EasyConfig : Message displayed on round review/deviation/incident/incomplete tasks/task deviation is not relevant

[MOVOR-19178] - Movelets: Send DataContainer when round movelet is synced to mobile

[MOVOR-19174] - EasyConfig : Change the getTemplate to download the latest excel format with no data

[MOVOR-19297] - MAF: Completed round status should not be overwritten by missed rounds in PB

[MOVOR-19134] - EasyConfig : RIL UI CSS fixes

[MOVOR-19109] - Reprocess utility failed to process the selected round instances

[MOVOR-19381] - MAF - Provide a config option to enable or disable the cronjob script for deleting the old Issues masterdata and its related data

[MOVOR-19192] - EasyConfig/ND Twistlock issue fixes

[MOVOR-18834] - HFIR-Rest: Migration for Issues entity to create unique series index

Article submitted by –Abirami Chidambaram, HCl Technical Support – Honeywell Inspection Rounds.

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Honeywell Blending and Movement

Honeywell Blending and Movement R530.2 Point Release

Honeywell Blending & Movement (HBM) point release R530.2 has been released. This release provides updates to the following applications within the HBM suite:

- Blend Controller
- Blend Optimizer (including the Offline Blend Optimizer)
- Blending Instructions
- Blend Performance Monitor and Blend Performance Monitor Plus
- Movement Management
- Tank Monitor
- LIMS Viewer
- Experion Blend Controller

as well as:

- MM Control Server
- Blending and Movement Client and Server
- Production Browser Client
- Production Browser Server.

Note: The Field Operator Extension (FOE) and BLEND applications are not included in the HBM R530.2 point release.

In addition to a number of fixes for the applications listed above, the following enhancements have been provided:

a) Blend Controller: FCV Pace Alarm Enhancement

New flag blocks have been added to the BC flow controller (FCV) points. An off-normal alarm is raised when a pace condition (SP High pacing, OP High pacing, Deviation Low pacing) is met.

b) Movement Management : Path Planning Enhancement for Permanent Tasks

In the path planning function, updated logic has been provided which considers non-flowing permanent paths as "non-existent". In other words, a permanent path is, by definition, flowing. If the permanent path is not flowing, then it effectively does not exist.

The point release also addresses two security risks which had been flagged during HBM R530.1 testing.

1. Clickjacking, also known as a "UI redress attack", is when an attacker uses multiple transparent or opaque layers to trick a user into clicking on a button or link on another page when they were intending to click on the top-level page. Thus, the attacker is "hijacking" clicks meant for their page and routing them to another page, most likely owned by another application, domain, or both.

The Blending and Movement solution now implements a response header that sets the X-Frame-Options element to a value of SAMEORIGIN to allow framing only by pages on the same origin as the response itself.

2. The following OSS (open source software) dependencies were running vulnerable versions of the software:

- Bootstrap
- jQuery
- jQuery-ui

The Blending and Movement solution has updated the aforementioned OSS dependencies to non-vulnerable versions of the software.

For more information on HBM R530.2, pre-requisite software, Experion compatibility, or the Honeywell Blending and Monitoring applications, please contact your Honeywell Account Manager or your local Application Support office.

Application Support Contact Information:

The Americas: rac.support@honeywell.com

Europe, Middle East and Africa: bma.support.emea@honeywell.com

Asia Pacific: bflex.support.ap@honeywell.com

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Honeywell Workforce Competency

Known Issue - Experion Security Update Impact on the OTS Project

The Honeywell Process Training Simulator (PTS) is an integral part of Honeywell's Workforce Competency suite, designed to enhance training for industrial workers. At the core of this system is the Experion PKS (EPKS), a Distributed Control System (DCS) featuring powerful Control Execution Environment (CEE) controllers. These controllers support a transparent simulation layer, known as the Simulation Control Environment (SCE), which allows for seamless integration of training and process control simulations.

The CEE Adapter serves as a critical interface between the Process Training Simulator and the Experion SCE. By leveraging the Control Data Access (CDA) protocol, the CEE Adapter facilitates communication between the PTS system and the EPKS environment. This connection allows for the accurate simulation of IO data and control commands, enabling robust training scenarios in an Operator Training Simulator (OTS) environment.

Known Issue:

Recently, a security vulnerability in the CDA protocol prompted a hotfix in several versions of the Experion product. This fix, while enhancing system security, inadvertently impacted the IO communication within PTS's CEE Adapter models. As a result, the following errors were reported when attempting to load the PTS models:

- Communication Failure: "Problem with SyncWrite of AI's to EPKS Server" (Issue ID: HCPP-28838)
- Input Block Failure: "CDA Error Message: %s: Change Not Permitted" (Issue ID: HCPP-28899)
- Secondary HART IO Channels Loading Failure (Issue ID: HCPP-29146)

These issues are most prevalent in the PTS environments using EPKS R501, R511, and R520 hotfixes, and the R530 main release.

Resolution:

Honeywell has released patches to address these communication failures. The following patches contain fixes for the reported CDA errors:

- Workforce Competency R520.4 – To be released
- Workforce Competency R521.5 – Released
- Workforce Competency R530.2 – To be released

Customers experiencing these issues are encouraged to update to the relevant Workforce Competency patches as they become available. Alternatively, they can seek assistance from Honeywell's technical support through the [HPS Support portal](#).

Additional Improvements:

Along with the fixes, Honeywell has enhanced the CEE Adapter **IO_Badchannels.csv** file to log additional error messages. This update helps users identify and troubleshoot problematic IO channels more effectively.

- Undefined Channels: IO channels listed in the input IOMAP.csv file but missing from the Experion Control Builder will be marked as "bad channels" with the error message **CdaDataType.CdadtUndefined**. These channels must be activated in the Control Builder.

Example: '09/04/2024

17:51:09.195,CM_C3002_IOALL1.AICHANNELA_1__1.SIMVALUE,AI,,EPKSSVR,CdaDataType.CdadtUndefined'

- Parameter Not Found: If a parameter modification is attempted in the CEE Adapter model but is not applicable in the Control Builder, the error **Parameter not found in database** will be logged.

Example: '09/04/2024 17:51:10.729,CM_PBUS2_SIMO1.SIMOCODE3UF5OUA.CD0BITS[1],DO,,EPKSSVR,CDA Error Message: Parameter not found in database'

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Recommendations:

To ensure smooth operation and avoid disruptions, it is recommended that all OTS customers affected by these issues update to the latest patches as soon as they are released. Regular maintenance and updates are crucial for maintaining system security and stability in training environments. For any further assistance, customers can reach out to Honeywell's support teams.

Updates available:

Honeywell Forge Workforce Competency R521 update

The latest update for Workforce Competency R521 is 521.5.1.0 (released on September 13th, 2024)

02/08/24 HCPP-28645 : DE: CS3000 Toolkit: network card I/O to be supported

05/08/24 HCPP-28381 : PTS speed reported is less than minimum speed in this case of SIMIT Adapter (refer 2x Speed)

05/08/24 HCPP-28382 : When launched the Model without Starting the SIMIT OPC didn't notice any Error reporting Time Out of the SIMIT OPC

05/08/28 HCPP-28590 : Reset tag which is set to HIGH before saving the snapshot is coming back to LOW after reloading the snapshot

05/08/24 HCPP-28970 : Build the splash screens for 521.5

06/08/24 HCPP-28923 : BCAS mode related to SIM2 gcb, Shape(s) and Faceplate(s) in WFC R521.4

09/08/24 HCPP-29096 : ID: SCN updates for 521.5

09/08/24 HCPP-27963 : TRB: BW-63870: R521.3.0 Yokogawa Server Connection Failing Between PTS for R521.3.0 Yokogawa Server

19/08/24 HCPP-28736 : Generic framework adapter does not read the DCS values after loading snapshot

19/08/24 HCPP-28899 : CEE Adapter: Communication fails from CeeAdapter to EPKS Input blocks with "CDA Error Message: %s: Change Not Permitted"

04/09/24 HCPP-28838 : PTS: The Cee Adapter Model communication fails with an Error "Problem with SyncWrite of AI's to EPKS server"

04/09/24 HCPP-29149 : PTS: In WC R521 PTS splash screen shows a white background and 'Forge' word and logo are missing in Curriculum, Tutor, PTS splash screens

06/09/24 HCPP-29158 : Security activities for R521.5 point release - Sprint 24.3.6 IP

Honeywell Forge Workforce Competency R520 update

The latest update for Workforce Competency R520 is 520.3.2.0 (released on July 5th, 2024)

06/25/24 HCPP-28590 : FB_VAR_ENTRY/ EXIT calls for array elements handled similar to normal(non array) Types

02/23/24 HCPP-27732 : Fixing memory leak issue while making entry exit calls

02/23/24 HCPP-27773 : 05469988 - TRB: TPSIM's Regctl is not allowing a store to SPTV from an AM CL when its MODATTR is set to "Prog"

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UniSim Competency Suite R471 patch releases

The latest patch for UniSim Competency Suite R471 is Patch 6 (released on Mar 6th, 2023)

HCPP-26362: DCS Console Emulation Windows are not getting closed automatically after closing the model

HCPP-26189: Numeric_to_string function crashing CL/Procmod point

HCPP-26220: Increase MAXPREFETCH" error message is produced during CL translation

HCPP-26188: CL translator creates a wrong data format for box timers in Fortran INC file.

HCPP-25358: On Exiting USO, USD UI's are not getting closed in remote machines

HCPP-25130: CS3000/CentumVP interface causing disturbance when loading snapshot using MAX_MARSHALLING_RATE

HCPP-25131: CS3000/CentumVP interface simulation speed not set after first load

HCPP-25572: Alarms are getting activated when PL/LL = SL & PH/HH = SH

HCPP-25072: PG-L13 block functionality is not working as intended

HCPP-25115: vellim block psw is not working.

HCPP-25172: On loading a saved snapshot, ST16 Block executes actions even if the conditions are not satisfied

HCPP-24602: ST16 latch/Unlatch (PV.H) function is not working properly

HCPP-24651: As per CS3000 Emulation Guide SUM Parameter is supported in CALCU_CCS block but can't find this in GCB file

HCPP-24656: SIO21_CCS block is not working as intended

HCPP-24668: ST16_CCS STEP LABEL IS NOT EXECUTED IN PERIDIC EXECUTION TYPE

HCPP-24674: CALCU_CCS block one shot Execution is not working

HCPP-24676: BDSETL_CCS is not transferring values to J01-J16 outlet terminals

HCPP-24694: VELLIM_CCS: Control calculation algorithm is getting executed in MAN MODE

HCPP-24792: Not able to change the mode of PGL13_CCS block from MAN Mode TO AUT / CAS.

HCPP-25071: On loading a saved snapshot, ST16 Block executes actions even if the conditions are not changed

UniSim Competency Suite R470 patch releases

The latest patch for UniSim Competency Suite R470 is Patch 9 (released on August 30, 2023)

HCPP-21032: TRB 1-DHWSZKB:-USO Instrutor Graphics get disorganised.

HCPP-25866: Fix scenario builder for Transmitter Hold/Value fail position

HCPP-22033: SIMIT Adapter RT factor display does not align with SIMIT controller performance and there is a possibility that adapter gets stale data from SIMIT

HCPP-25131: CS3000/Centum VP interface simulation speed not set after first load

HCPP-25130: CS3000/Centum VP interface causing disturbance when loading snapshot using MAX_MARSHALLING_RATE

HCPP-23960: Generic framework adapter not holding the saved values after loading snapshot again

HCPP-24552: Saved Event Monitor and KPV reports get removed when exiting USO session

HCPP-21575: Triconex: FIRST_OUT's output variable "Firstout" has the wrong type

HCPP-24411: Enhancement for OPC DCOM hardening

HCPP-21913: PAR 1-DPDFCRB UCS R461 Patch 3 throws OPC server failing error message while loading a snapshot

HCPP-23807: Loading snapshot of 2 USD models fails on the remote machine

HCPP-24487: CS3000/Centum VP interface causing alarm flood when loading overlays and using MAX_MARSHALLING_RATE

Article submitted by – Abdul Hameed, HCI Technical Support – Workforce Competency.

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UniSim® Design Suite

UniSim Connect : UniSim AltView and UniSim API

What is UniSim Connect? UniSim Connect is a comprehensive suite of tools, libraries, and applications designed to enhance interaction with UniSim Design models. It supports both local and remote operations—whether UniSim Design and related applications run on the same machine, or with UniSim Design hosted on a server within a local network or the cloud. This allows users to develop custom applications or leverage pre-built reference applications to control UniSim Design models, without needing to install the software locally or possess in-depth knowledge of it.

What's Included in UniSim Connect?

- **UniSim AltView:** A user-friendly desktop application demonstrating for creating custom screens and displays to interface with UniSim Design models locally and remotely.
- **UniSim API:** A development kit for creating Python or .NET components to drive and communicate with UniSim Design locally and remotely.

Key Features of UniSim Connect:

- **Local and Remote Operation:** Seamlessly communicate with UniSim Design models, whether on the same machine or across a network.
- **Customized Application Development:** Build customized applications to interact with UniSim Design models, without requiring detailed software knowledge.

Licensing Requirements: To use UniSim Connect locally, a full UniSim Design license is required. Remote communication with UniSim models requires a UniSim Connect license.

UniSim AltView: Simplifying Access to UniSim Design Models

What is UniSim AltView? UniSim AltView is a user-friendly desktop application designed to provide simplified access to UniSim Design models, enabling users of various technical backgrounds to interact with complex models. UniSim AltView's intuitive interface makes it easy for stakeholders and less experienced users to interact with UniSim Design models.

Key Features of UniSim AltView:

- **Simplified Interface:** Customized screens for intuitive interaction with UniSim Design models.
- **Remote Access:** Access UniSim Design models hosted on servers via local networks or the cloud.
- **Designed for All Users:** Suitable for both technical experts and non-expert users.

UniSim AltView Components:

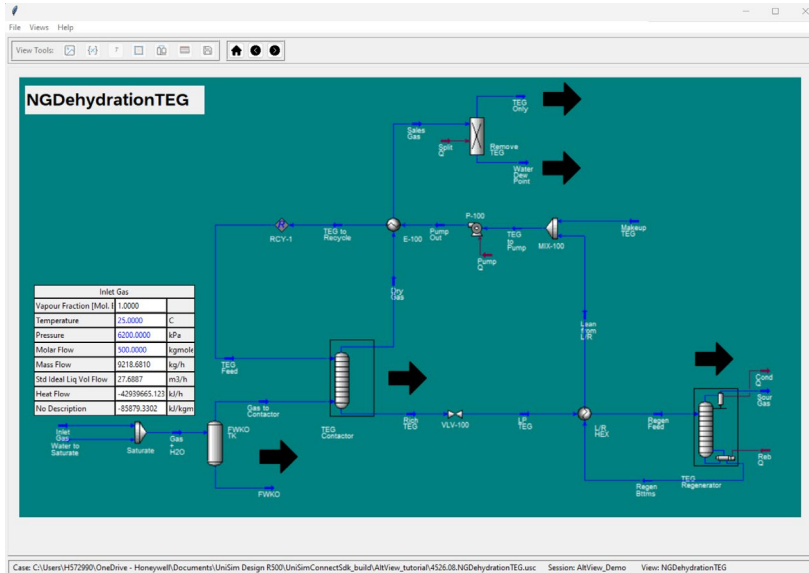
- **AltView Designer:** Used by engineers to create tailored model displays.
- **AltView Runner:** Allows less experienced users to interact with the pre-configured UniSim Design models remotely.

Typical Workflow Using UniSim AltView

1. An engineer familiar with UniSim Design uses AltView Designer to connect to a UniSim model and create customized screens, displays, and data sets for less experienced users to access the model.
2. After completing the configuration, the engineer publishes the model, uploading the UniSim Design case, AltView configuration files, and any supplementary materials (e.g., images) to a model server.

- Other users access the published model via AltView Runner, downloading the necessary configuration and collateral, and interacting with the UniSim Design model remotely through UniSim Connect.

The image below showcases the customized interface for running a UniSim Design model:



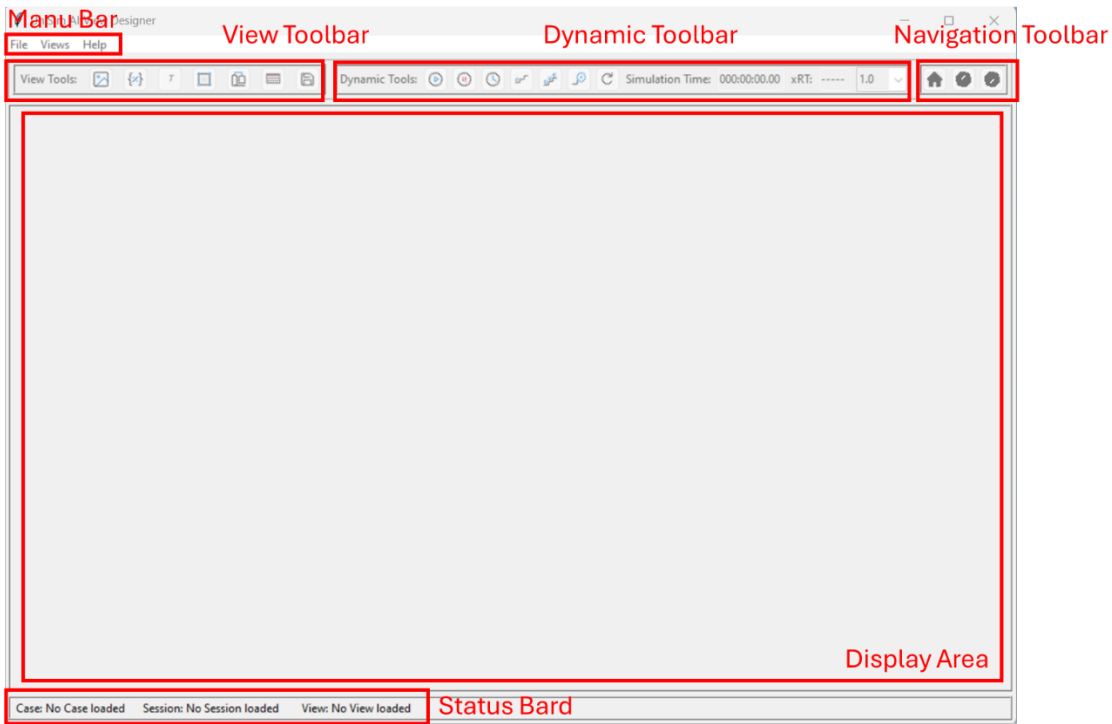
AltView Designer Interface Overview

The AltView interface consists of several components:

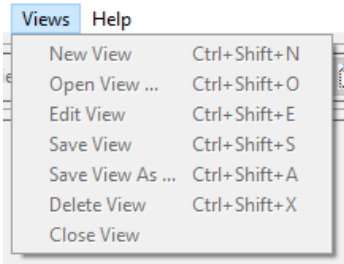
- Menu Bar: Provides access to key features of the application.
- Toolbar: Includes tools for editing UniSim Design models and interacting with dynamic models.
- Display Area: Displays the selected model or associated data.
- Status Bar: Shows system messages and updates.

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The screenshot below illustrates the interface of AltView Designer:

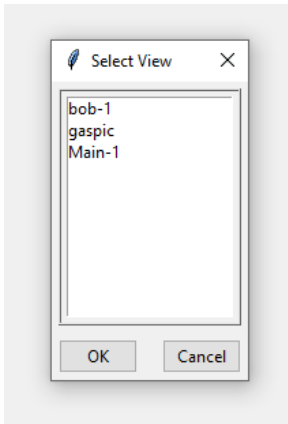


Views on the Menu Bar: Views allow users to configure and manage the interface by placing components from the View Toolbar. Users can create, edit, delete and save views for model interaction.

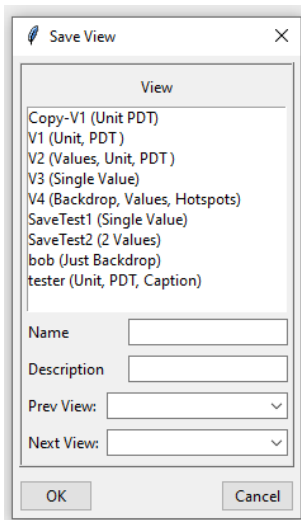


Key View Functions:

- New View: Create a new view and enable the View Toolbar.
- Open View: Select and display an existing view.



- Edit View: Modify an existing view in edit mode.
- Save View: Save the current view, with options to rename it.



- Delete View: Remove the current view from the display.
- Close View: Close the current display.

View Toolbar

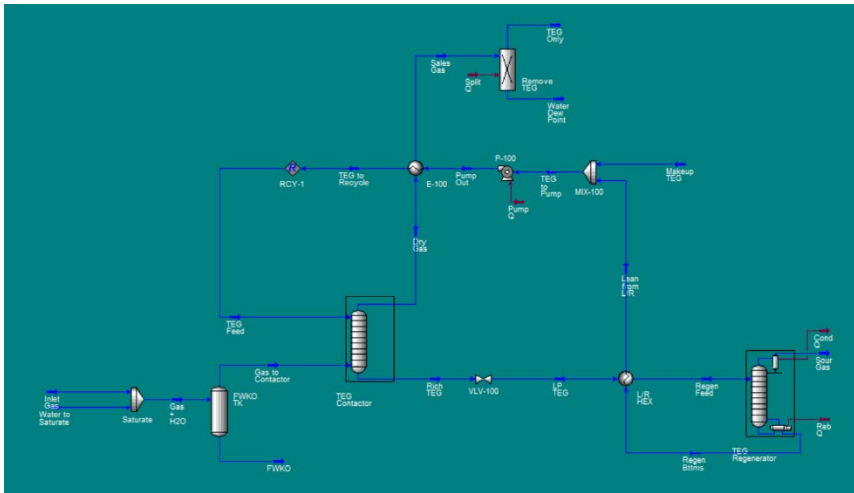
The View Toolbar by default is disabled. It is enabled when manipulation of a view is required i.e. when the:

- user selects New View from the View menu bar
- user selects Edit from the View menu bar when a view is currently displayed.

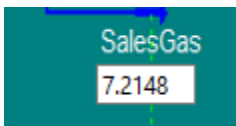


The View toolbar allows the user to select a component to add to the display. Current components are:

- Backdrop Component: Hosts images (e.g., PFDs or PIDs) to provide graphical context for other components. It supports common image formats such as PNG, JPG, and TIF.



- Value Field Component: Displays and allows real-time interaction with UniSim Design variable values.



- Hotspot Component: Customizable interactive elements that allow navigation between views or pop-up tables.

Select Action

Button Appearance

Label

Transparent

Image ← ↑ → ↓

Button Action

Unit Operation

View

OK Cancel

TEG Contactor	
Convergence	1.0000
No Description	-32767.0000
Maximum Iterations	500.0000
Current Iteration Count	1.0000
Damping Factor	1.0000
Heat and Spec Error	0.0000
Equilibrium Error	0.0000

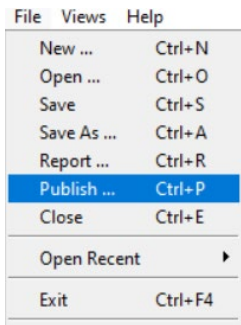
- Unit Operation Component: Displays key performance indexes for selected units, enabling real-time monitoring and adjustment.

Chiller		
Feed Temperature	43.8627	F
Product Temperature	4.4332	F
Feed Pressure	590.0000	psia
Product Pressure	580.0000	psia
Pressure Drop	10.0000	psi
Delta T	-39.4295	F
Molar Flow	9.0254	MMSCFD
Mass Flow	23377.2186	lb/hr
Std Ideal Liq Vol Flow	4371.9396	barrel/day

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Publishing Models and Configurations

Once the model and configuration are ready, engineers can publish them to an appropriate server, making them accessible to other users.



Dynamics Toolbar (For Dynamic Models)

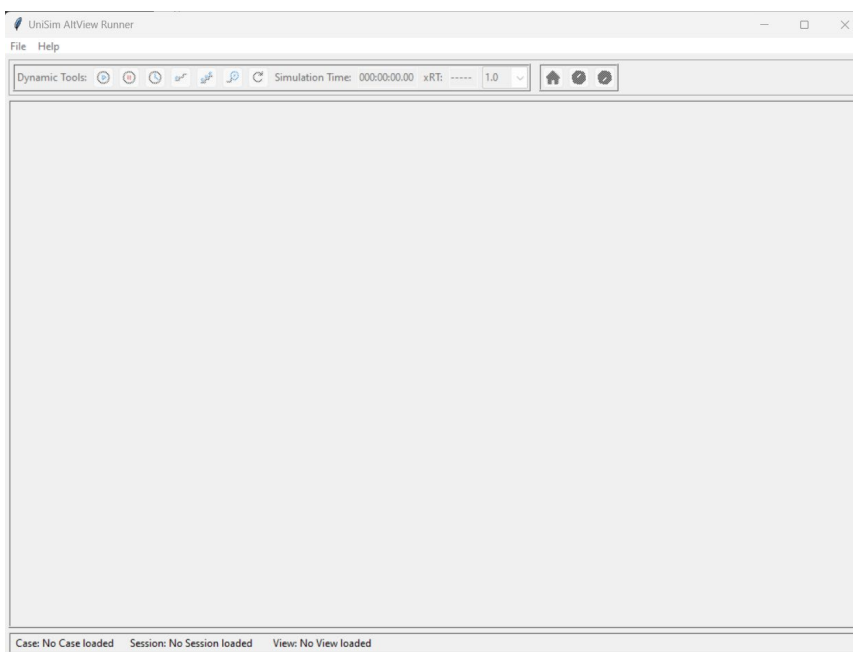
For dynamic models, the Dynamics Toolbar provides options to run, freeze, or accelerate simulations, monitor execution speed, and set data refresh intervals. This toolbar is inactive for steady-state models.



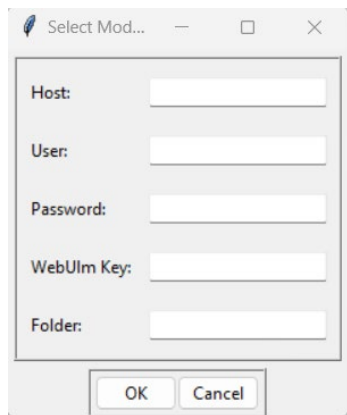
AltView Runner

AltView Runner has a nearly identical interface to AltView Designer, but without the toolbar to edit the interface function. The goal of AltView Runner is to allow non-experienced users to run and use the shared UniSim Design model remotely using a simplified interface. After the engineer created the simplified interface model on AltView Designer, the model can be published to the model server. The user can load the model through AltView Runner to run the simulation with the customized interface to communicate the UniSim Design model effortlessly.

The AltView runner interface is shown below:



When launching AltView Runner, users are required to log into the model server for authentication. This ensures the protection of intellectual property and safeguards the UniSim Design models.



The image shows a standard Windows-style dialog box titled "Select Mod...". It features five text input fields stacked vertically, each with a label to its left: "Host:", "User:", "Password:", "WebUlm Key:", and "Folder:". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

UniSim API: Python Integration for Custom Applications

The UniSim API empowers users to control and interact with UniSim Design cases using Python, offering complete functionality through the UniSim Design solver engine. This library simplifies the development of custom tools and applications, giving users the ability to automate and enhance model interactions.

Additionally, the UniSim API offers the ability to automate UniSim Design model creation, including setting up component lists and selecting fluid packages in the Simulation Basis environment. This capability not only boosts model development efficiency but also supports process design optimization and automation in process development. By integrating Python programming and custom algorithms, users can develop more sophisticated process models.

Benefits of the UniSim API:

- **Custom Tool Development:** Create tailored tools to operate and monitor UniSim Design models.
- **Integration with Other Tools:** Connect UniSim Design models with third-party simulation and analysis software.
- **Extensibility:** Enhance UniSim Design with custom Python functions and seamless integration with other platforms.
- **Automation:**
 - Automate the operation of a large number of UniSim Design simulations;
 - Automate the creation of UniSim Design models.

System Requirements:

- Python programming environment (e.g., Anaconda, PyCharm, etc.)
- SimAPI SDK (part of UniSim Connect)
- .NET 6 Framework

The picture below shows a screenshot of Jupyter Notebook interface on Python script programming.

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Jupyter SS_DOE_and_GA_Optimizzor_for_Profit Last Checkpoint: 20 days ago

File Edit View Run Kernel Settings Help Trusted

JupyterLab Python 3 (ipykernel)

Design of Experiment on Gas Purification Profit

Funcntions:

1. Get process stream information.
2. Change process stream variables.
3. Automate USD simulation
4. Profit calculation
5. DOE of case study
6. Profit optimization using genetic algorithm
7. USD empty value detection
8. Result plotting

Import python packages

```
[13]: from usdapi.unisimdesignapi import UniSimDesign
from usdops.usdvalve import UsdValve # Make the USD Valve object available
from usdops.usdcontroller import UsdController # Make the USD Controller object available
from usdops.usdstreamsummary import UsdStreamSummary # Make the USD Controller object available
from usdops.usdunitop import UsdOperation
from usdops.usdprocessstream import UsdProcessStream
import os
import sys
import time
from doepy import build
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
```

Define Functions

```
[14]: def value_check(input):
if input == -32767.0:
return np.nan
else:
return input
```

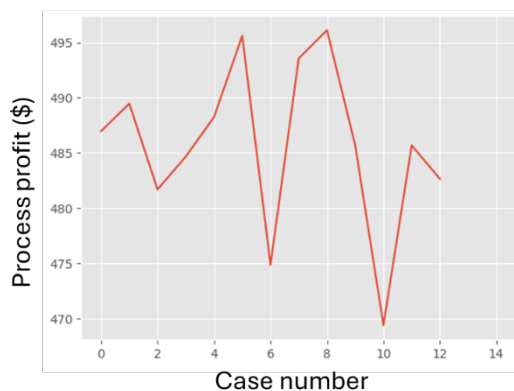
Example of Python Integration with UniSim Design

With the UniSim API, users can leverage popular Python environments, such as Jupyter Notebook, to develop customized tools. These tools can automate large-scale simulations, optimize processes, and integrate with data analysis libraries. For instance, users can automate UniSim Design simulations using Python-based Design of Experiments (DoE) tools and apply advanced optimization algorithms to achieve better results than the built-in optimizer.

Case condition

	Temperature	Pressure
0	-60	2142
1	-61	2857
2	-56	2285
3	-59	2785
4	-59	2500
5	-64	2642
6	-56	2714
7	-62	2571
8	-65	2928
9	-61	2071
10	-57	3000
11	-58	2214
12	-63	2000
13	-63	2357
14	-57	2428

UniSim Design results



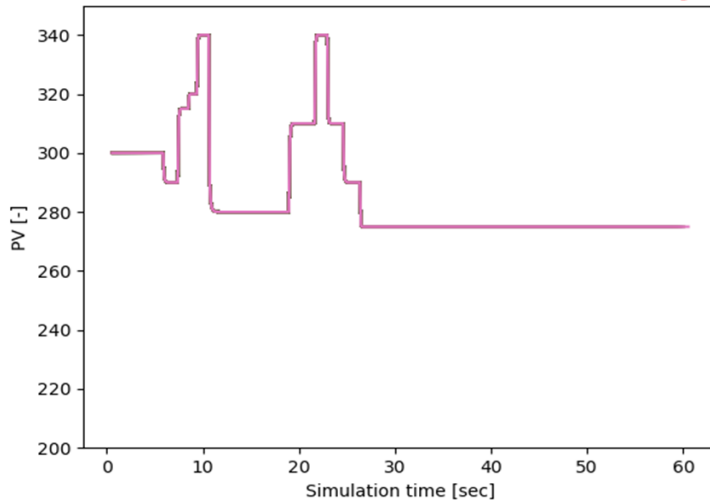
Additionally, customized Python apps can be developed to control UniSim Design models, whether for steady-state or dynamic simulations. These apps can monitor performance in real time and interact with UniSim Design models through custom widgets.

The image below illustrates real-time control within Jupyter Notebook, enabling the monitoring and management of process control in the UniSim Design dynamic simulation:

Jupyter Notebook widgets sliders control



Real-time controller control and monitoring



Conclusion

UniSim Connect offers flexible and powerful solutions for interacting with UniSim Design models. UniSim AltView provides a simplified interface, making it easy for general users to operate UniSim Design models locally and remotely, while the UniSim API toolkit allows users to build and integrate custom applications, extending the capabilities of the powerful UniSim Design simulation engine. Whether you're an experienced engineer or a new user, these tools streamline access to complex simulation data, enhancing communication, decision-making, and performance analysis.

Article submitted by Jamie Barber, UniSim Design Global Support Team.

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Honeywell Forge Alarm Management

REMINDER! Experion upgrade to R520/530 causes DynAMo M&R Collector Data Corruption

If the Experion DCS is upgraded to R520+ from an earlier version, it may lead to data corruption problems with DynAMo Metrics & Reporting or HFAM Reporting installations. This migration can introduce extra (and invalid) Tagnames, potentially affecting the licensed tag-count limit for M&R. Additionally, it may result in the creation of extra Assets, which could negatively impact report performance.

For more details refer to knowledge article KSM2022-DYN003x.

Also refer to Knowledge Article 000189115 – ‘EAS ODBC R530 Client Hotfix Matrix’ which lists the ODBC version required against the Windows Operating System installed on the collector, and the minimum version of Experion required to communicate with the ODBC driver.

If you have any doubt please contact the Honeywell Alarm Management Technical Support (GTAC) team if you are planning to migrate to Experion R520+, they will review your system and inform you of what steps are needed to avoid system downtime.

Upgrading Experion to R520/530 prevents DynAMo D&E/ACM Clients from connecting to the application server

Experion 520+ recommends encryption types **AES256_HMAC_SHA1**, **AES128_HMAC_SHA1**, and **future encryption types** as default for Kerberos authentication to ensure secure communication and data integrity. Below is an extract from Experion documents:

Category	Policy	Value
Group policy	Network security: Configure encryption types allowed for Kerberos	AES128_HMAC_SHA1, AES256_HMAC_SHA1, Future encryption types

When these policy settings are implemented on the Experion server, the related client-server applications, like ACM, must be updated as well. Specifically, all client and server machines, along with service users, must be compatible with the new encryption types. If this compatibility is not achieved, it could lead to authentication problems during DCOM communication between the application client and server.

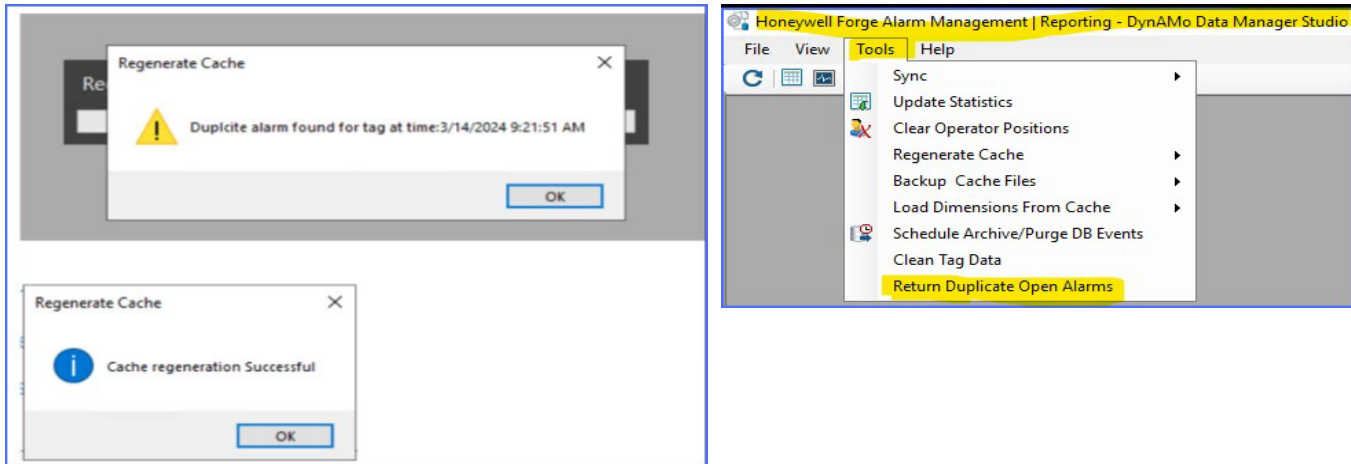
A knowledge article how to address this problem will be published soon. **If you are facing problems with ACM clients not connecting to the ACM application server then please contact the Honeywell Alarm Management Technical Support (GTAC) team.**

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What does R2.2.1 DDMS feature 'Return Duplicate Open Alarm' do?

(Extract from Knowledge Article 000187204, first published 10-Oct-24)

What do you do when complete cache regeneration produces error "Duplicite alarm found for tag at time: mm/dd/yyyy h:mm:ss pm" after a successful cache regeneration, or the following error message appears in the Archiver Interface log "Duplicite alarm found for tag at time: mm/dd/yyyy h:mm:ss pm"?



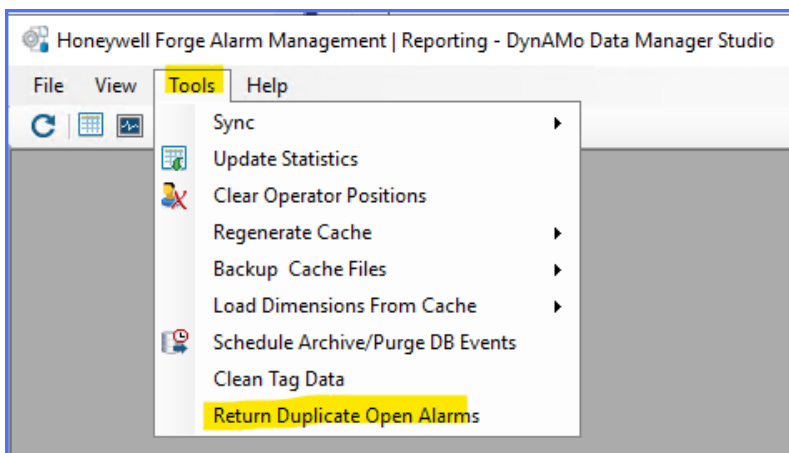
Duplicate alarms from the events are created in the cache file and the database and can cause issues with the processing of events and the metrics in HAM Reporting R2.2.1. The issues are reported in the Archiver Interface logs and after a complete cache regeneration.

The new feature 'Return Duplicate Open Alarm' can be run at any time and will not require a complete cache regeneration to implement a change. The feature looks for any duplicate alarms and returns all but one of them in the DynEvent table and the analyzer cache files.

If the archiver interface log or the complete cache regeneration procedure produces error messages concerning duplicate alarms as seen in the symptoms section, follow the below procedure:

The DynAMO Data Manager Studio (DDMS) tool is called up by right clicking the executable file, 'C:\Program Files (x86)\Honeywell\DynAMO\Utilities\Data Manager Studio\Honeywell.Dynamo.AnalyzerService.DataManagerConsole.exe' and selecting 'Run as Administrator'.

Select File> Return Duplicate Open alarms



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When the task is complete all the duplicated alarms will be returned, leave only one open alarm. The message 'Task Successful' is returned. Press OK to finish

How is the Alarm Shelving KPI Calculation method computed by the DynAmo Metrics & Reporting application?

(Extract from Knowledge Article 000187259, first published 9-Apr-24)

Shelved alarms active at the end of a reporting period is what is considered in the new Shelved alarm KPI. However, the actual data does not match this definition, and it is difficult to match the report data and KPI data. More detail is required with an example on how the KPI is calculated.

The Shelved and Suppressed Alarms are 'At Moment' metrics taken from a point in time, like Standing and Stale Alarms.

At that given time, like the end of a shift, or the start of shift, or a specific timestamp, how many alarms are shelved at that specific point in time are calculated.

If you review the data, at 12:00 on the 1st December or 12:00 on the 2nd December, if there are no active alarms at that specific time (12:00), then the KPI shows the count as zero.

Based on the time range selected, for the 'At Moment' KPI's the end time of the time range is considered for the calculation. If the alarm is not active at that end time, then it will not show up in the report.

It is not possible to create metrics such as 'Alarms shelved for a period', because within that period the alarm annunciated state can change many times.

If a tag's shelved alarm is not active/open until 11:59pm for that day, then the shelved alarm KPI would calculate as '0' when 'all of today' is selected. Similarly, for 'all of yesterday', if the shelved alarm was active all of yesterday and only returned on the following day after 12:00am, then that would get calculated by the shelved alarm KPI for 'all of yesterday'.

Alarm Performance Overview

12/1/2023 12:00:00 PM to 12/1/202... By Hour

KPI [Warning Threshold]	Hour	OP1
Shelved Alarms [- 30]	12/1/2023 12:00 PM	1
	12/1/2023 1:00 PM	1
	12/1/2023 2:00 PM	1
	12/1/2023 3:00 PM	1
	12/1/2023 4:00 PM	1
	12/1/2023 5:00 PM	1
	12/1/2023 6:00 PM	1
	12/1/2023 7:00 PM	1
	12/1/2023 8:00 PM	0
	12/1/2023 9:00 PM	0
	12/1/2023 10:00 PM	0
	12/1/2023 11:00 PM	0

Shelved & Suppressed

12/1/2023 12:00:00 PM to 12/1/202...

Shelved Conditions: 4 | Suppressed Conditions: 717 | Active

Tag	Identifier	Start Time	End Time	Description	Operato...	Asset	Block N...	Duratio...	Shelved...
POIANA18	RSHI	01 Dec 2023 12:39:29.800 PM	01 Dec 2023 08:39:33.800 PM		OP1	A3		0 08:00:04	Nuisance Alarm
POIANA17	PVLL	01 Dec 2023 12:39:13.602 PM	02 Dec 2023 12:39:13.602 PM		OP1	A3		1 00:00:01	Maintenance
POIANA2	RSHI	01 Dec 2023 12:05:03.401 PM	01 Dec 2023 12:33:30.401 PM		OP1	B1		0 00:28:27	Nuisance Alarm
POIANA15	RSHI	01 Dec 2023 12:04:51.801 PM	01 Dec 2023 12:21:27.801 PM		OP1	A2		0 00:16:36	Nuisance Alarm

In the above example, POIANA18 tag's RSHI parameter is shelved from 1st December 12:39:29.800PM to 1st December 08:39:33.800PM as per the Shelved and Suppressed report. During this period, there were alarms and returns recorded for the POIANA18.RSHI tag's parameter. The value is '1' under the Shelved Alarms KPI for every hour from 12:00PM to 7:00PM in the Alarm Performance Overview report (APO) when the time filter is selected as 1st December 12:00PM to 2nd December 12:00 AM, sliced by 'Hour'. Where the 12PM reading is taken at 12:59PM and every hour afterwards. The alarm is shelved until the 07:59PM reading for 7PM, and then at the 8:59PM reading the alarm is not shelved and a value of '0' is seen.

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Knowledge Article Quarter: Summary of Articles – 2024

Below is a list of knowledge articles published to **Process.Honeywell.com** for the following supported products:

- DynAMo Metrics & Reporting R202.1 – R210.1
- Honeywell Forge Alarm Management | Reporting R2.2.0 – R2.2.1
- Honeywell Forge Alarm Management | Documentation / DynAMo Documentation & Enforcement (ACM R321.12)
- Honeywell Forge Alarm Management | Alarm Performance Optimizer R1.0.0 – R2.0.0
- Honeywell Forge Alarm Management | Process Safety Analyzer R201.x – R2.1.0

Article Number	Products	Title	Summary
000177189	Alarm Configuration Manager R321	How do I import all tags from Experion to a file without actually Syncing ACM Database?	ACM R321.12 how do I review the tags to be added before tag sync updates the information ?
000183584	Alarm Configuration Manager R321	UNCEVT TPS Param not seen in Alarm Help	UNCEVT (Uncommanded Event) not available in ACM interface, not able to be seen in Experion Alarm Help for Operator instruction and guidance
000183601	Alarm Configuration Manager R321	Interlock Block Addition Issues	The following errors have been seen when interacting with interlock blocks. Tag synchronization fails for a selection of interlock points with the following errors "UNSUPPORTED POINT TYPE" and "THE DELETE STATEMENT CONFLICTED", "STRING
000186549	Alarm Configuration Manager R321	How can I change the alarm tag name in ACM using a tag name list?	Provide a method to easily change ACM alarm tag name from a CSV file list for any tag on any console
000186745	Alarm Configuration Manager R321	Error while performing ACM MOC process	In ACM a Variable with tag type 'Transmitter' is not moving from In-progress to Proposed state
000187239	Alarm Configuration Manager R321	DynAMo D&E (ACM) lost connection to BMA system after BMA upgraded to version R520.1	Test connection fails when tested the connection string to the BMA's AmmDB using ACM Database Connection Utility, error message popped up: "Test connection failed because open error in initializing provider. [DBNETLIB][ConnectionOpen (SECDClient
000187304	Alarm Configuration Manager R321	Failed to create user group when adding ACM Console	Failed to create user groups XX_XX_MGR and XX_XX_OPR automatically when adding new console in ACM Administrator client.
000187405	Alarm Configuration Manager R321	ACM Root Assets red in Admin Client	ACM Console Root Assets error "Error adding console ConsoleTest. Insufficient privileges to access Experion server database"
000187438	Alarm Configuration Manager R321	ACM Manager and Administrator Client Fail to Load	The following error appears when launching either the ACM Manager or Administrator client: "Component 'Vsflex7N.ocx' or one its dependencies not correctly registered: a file is missing or invalid"
000188978	Alarm Configuration Manager R321	ACM Asset Configuration Tool does not work when the OLE DB provider is configured as SQL Server Native Client 11	Summary : When configuring connection string for ACM Manager Service using the ACM Database Connection Utility, if SQL Server Native Client 11 is used as an OLE DB provider, then the ACM Asset configuration tool gives the error upon launch "The server
000189063	Alarm Configuration Manager R321	ACM R321.12.7 integration with SQL Server 2022	This document contains a workaround for ACM R321.12 HF7 failing to connect to SQL Server 2022.
000189198	Alarm Configuration Manager R321	ACM R321.12.7 integration with EAS R530	Additional software required to ACM with Experion R530
000189271	Alarm Configuration Manager R321	The ACM console asset tree is not in sync with EAS EMB after upgrade to EAS R501.6	ACM console asset tree is not getting synched with EM after EAS upgrade from R501.1 to R501.6. The Re-synch with EM option is greyed out. The Asset Tree has the error "The console's root asset is invalid" in ACM Administrator client and Manag
000190043	Alarm Configuration Manager R321	Mismatch in Alarm priority color code between ACM Manager Client and ACM Web	There is a mismatch in alarm priority color codes between ACM Manager client and ACM web for Variable Entities (Tags) present in ACM manager client. This is specifically

Article Number	Products	Title	Summary
			noticed for Custom/Generic DCS personality module control systems created in ACM Admi
000190253	Alarm Configuration Manager R321	ACM Enforcer client gives "Failed to authorize access to console" error	Summary : ACM Enforcer client throws error "failed to authorise access to console", after selecting the console in L4 ACM Manager Server. This is in an ACM across firewall setup. The ACM Manager Client and ACM Administrator Client in L4 are
000190273	Alarm Configuration Manager R321	ACM Support for Historian	Does ACM\Dynamo D&E support Historian Tags?
000183663	Alarm Configuration Manager R321	ACM Web 'DCS Alarm Enable History' view is not working when SQL Server Native Client 11.0 is used as OLE DB provider in ACM Database Connection Utility	In ACM Web Variable Explorer page, the DCS Alarm Enable History view is giving an error "Please refresh the page. If the problem persists, contact your system Administrator". This happens when SQL Server Native Client 11.0 is used as OLE DB provider in A
000188225	Alarm Performance Optimizer R1.0.0	Procedure for deleting mapped ACM consoles in APO (Alarm Performance Optimizer)1.0.0	After mapping of consoles to APO plants in APO configuration Utility, user deletes few consoles in ACM server as part of configuration change. However, as per design one cannot delete the mapped consoles once it is assigned to an APO plant either in ACM
000186422	Alarm Performance Optimizer R1.1.0	APO: Transfer Service can't connect to APO Router – HTTP 500 (Internal Server Error)	In certain cases, APO Transfer Service will exhibit the following issues: • Attempting to connect to the APO Router from the Transfer Service "Alarm Performance Optimizer - Configuration Utility" fails. The error shown states: "Not able to connect"
000186525	Alarm Performance Optimizer R1.1.0	APO: Unable to Schedule Analysis job – Analytics Package dropdown is empty / blank	Attempting to schedule a job using the APO 'Schedule Analysis' UI fails, as the 'Analytics Package' dropdown in the 'Create Job' dialog is empty / blank.
000186552	Alarm Performance Optimizer R1.1.0	Nuisance Alarm Settings Link Disabled after Licensing APO	Nuisance Alarms Settings link missed from APO web so cannot configure APO
000186683	Alarm Performance Optimizer R1.1.0	APO: Running an Analysis Job shows Last Run Status of "Data Fetching failed" – APO service account doesn't have permission to access HFAM-Reporting data	Attempting to run a job using the APO 'Schedule Analysis' UI fails, results in a 'Last Run Status' of "Data Fetching failed". This issue has occurred due to the APO service account not having appropriate access to HFAM-Reporting/M&R.
000186755	Alarm Performance Optimizer R1.1.0	User's not able to access the Alarm Performance Optimizer website	Summary : Only some type of accounts (admin accounts) can access APO. Error is logged in Intuition Log
000189964	Alarm Performance Optimizer R2.0.0	APO 2.0 License Activation Utility error	APO 2.0 License Activation Utility fails following successful installation
000188458	DynAMo Metrics & Reporting R200 DynAMo Metrics & Reporting R200.1 DynAMo Metrics & Reporting R200.2 DynAMo Metrics & Reporting R201.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting	Changing runtime (service) user account using PowerShell script stops UI and licensing from working correctly	After running the Master-Replace-UserAccount.ps1 script as described in the System Admin Guide – 'Changing the runtime user account', opening the web UI shows the licensing related error "System has stopped working as the maximum tag count license of 0 has
000187119	DynAMo Metrics & Reporting R200.2 DynAMo Metrics & Reporting R201.1 DynAMo Metrics & Reporting R202.1	Intuition Security Manager - GetRoles Exception Object reference not set to an instance of an object	Dynamo reports will open, but only users in the 'Application Administrators' group can access the reports. Also, the Intuition security configuration show error "Unexpected system error occurred". The Log Viewer will include this related error: "G
000186682	DynAMo Metrics & Reporting R201.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1	MnR not collecting data	• Dynamo M&R Collector not collecting data • Stopped suddenly • "Unable to Save channel configuration. Error WhileOpening Connection." • Test connection fails • Cannot connect to Experion system
000188477	DynAMo Metrics & Reporting R201.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1	Collector Gets Short Events from Siemens OPC	Summary : Lots of unrecognized messages coming in to Archiver
000186579	DynAMo Metrics & Reporting R202.1	Error while viewing the D&E Enforcement details Report in MnR	D&E Enforcement Details Report in M&R is not able to be Exported in both PDF and Excel. The following error is created when accessing the report from dates 13th to the 31st. "Error: An unknown server error occurred. Please contact your Sy

Article Number	Products	Title	Summary
000186584	DynAMo Metrics & Reporting R202.1	Not able to view Dynamo home page.	It was working previously without any changes done on server side.
000187806	DynAMo Metrics & Reporting R202.1	Dynamo Event store, site, plant, and OP tabs are not loading.	Dynamo Event store, site, plant, and OP tabs are not loading. The MES homepage is launching successfully.
000181943	DynAMo Metrics & Reporting R202.1 HF7	Dynamo Not Connecting to Yokogawa OPC Server After DCOM Hardening	After recent Win security updates connection issues with Yokogawa OPC server and Dynamo Collector. "Failure Reason: Unknown username or Bad password. Status: 0xC000006D Sub Status: 0xC0000064"
000180710	DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1	Specific User cannot view Event Investigator Report	All/most users can view Event investigator report in M&R When specific user tries, gets error "The custom error module does not recognize this error"
000177506	DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	How do you bring back active alarms that have mistakenly been manually closed using M&R Alarm Reports?	For DynAMo R202.1 and R210.1 there is no method of bringing back a manually closed alarm from a M&R report that should not have been closed. This article covers a method to bring back alarms that are still active using the Active Alarm Sync channels.
000186548	DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	What is the 'To value' indicating in the HAM report when the Parameter is 'DISPLAY CALL UP'?	Event Investigator Question - System Events Parameter Display Call Up - to value
000187607	DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	How do you delete all tags associated with an Asset and then delete the Asset if no tags are associated with the Asset and sub-Assets?	Provide SQL queries and a procedure to list all Assets and then select the ones for deletion including all the tags associated with the Assets and their subsequent sub-Assets. And then run an SQL query to delete all the Assets without tags assigned to them
000190090	DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	Journal Priority Alarms showing up in Suppression Report	Procedure to check whether priority suppression is instigated on a site and if not required, how to remove priority suppression from alarms in journal priority
000188183	DynAMo Metrics & Reporting R202.1 Dynamo Operations Instructions R210 Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	PBM/OMA Tags Stop Update Statistics	PBM/OMA tag variable point descriptors cause error message "ERROR Honeywell.DynAMo.Log.Logger - Exception: The socket connection was aborted. This could be caused by an error processing your message or a timeout being exceeded by the remote host,
000188982	DynAMo Metrics & Reporting R210.1	Alarm Un-Suppression by Asset	Current Status for these active Alarms is Suppressed, but some of these are not present on the Tag-Suppression report. (not Suppressed).
000189656	DynAMo Metrics & Reporting R210.1	Not able to enable the HAM Collector Channel	Collector ODBC channel is not able to enable and giving error: "Unable to save channel configuration. Failed to execute query" and in the collector UI log "[Honeywell][ODBC Driver][ISAM] Can't access SQL server event database". The Experon e
000189944	DynAMo Metrics & Reporting R210.1	Not able to open Dynamo home page after restoring customer Dynamo and MES Databases	Not able to open Dynamo home page after restoring customer Dynamo and MES Databases. Below errors are observed in MES log viewer logs. "TimeColumn,UserColumn,LevelColumn,ClientIPColumn,ServiceColumn,ActionColumn,MessageColumn,ThreadColumn,LoggerColumn,
000188209	DynAMo Metrics & Reporting R210.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management – Reporting R2.2.1	DynAMo M&R license error - Tag count has been exceeded	Dynamo reporting has stopped working with error message "System has stopped working as the maximum tag count license of 25000 has been exceeded"
000187384	DynAMo Metrics & Reporting R210.1 Honeywell Forge Alarm Management –	L4 DynAMo M&R/HAM Proxy Server Web Site Not Loading	Summary : Dyanmo M&R webpage not loading correctly. Application Error appears when trying to launch the L4

Article Number	Products	Title	Summary
	Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1		Proxy Server Website. "Application Error Internal Server Error Please contact your System Administrator"
000189811	Honeywell Forge Alarm Management – Reporting R2.2.0	How to check list of Operator Position with Assets remotely	How to check list of Operator Position remotely, with Assets and full Path.
000190414	Honeywell Forge Alarm Management – Reporting R2.2.0	DynAMo Metrics and Reporting Installation account must not be deleted	Unexpected System error occurred” when opening M&R landing page and “Access is denied” error when opening Archiver configuration UI, after the deletion of DynAMo M&R installation account from dynamo server and from Active directory.
000183973	Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	R2.2.0 Tag List Generator Installation issue	The R2.2.0 tag list generator installation produces the following error and stops the installation from completing successfully : “UpdateXMLFile_AddChildNode_WithAttribute::WARNING: :LOAD: Failed to update the C:\Program Files (
000188264	Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1	HAM PHD connection cross Domain fails	HAM to PHD connection cross Domain fails; test connection looks good, but no data is retrieved from PHD.
000185928	Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1	How do you stop collecting system and alarm events from the DCS?	Describe methods to disable archiving for system alarm and events in DynAMo M&R and HAM Reporting
000188492	Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1 DynAMo Metrics & Reporting R202.1 DynAMo Metrics & Reporting R210.1	How do you exclude tags that normally have alarm enable status disabled from appearing in the suppression reports?	Sites that have SCADA or C300 tags that are defaulted to have alarm enable status set to disable via parameters ‘alarmdisabled=True’ or ‘almenbstate=Disable’, so that they never can alarm by design do not want the tags to be in the Suppression Reports or
000189115	Honeywell Forge Alarm Management – Reporting R2.2.0 Honeywell Forge Alarm Management – Reporting R2.2.1 DynAMo Metrics & Reporting R210.1	Provide ODBC connectivity matrix for DynAMo and HAM Reporting with Experion	Provide upgrade details for collector ODBC clients connecting to Experion R520 or R530 systems
000186581	Honeywell Forge Alarm Management – Reporting R2.2.1	Test connection on collector machine is failing when trying to connect with Siemens OPC server.	It works if Matrikon OPC explorer is connected to same OPC (for some time). However, with standard OPC connection error message "Error: Test Connection failed." and CollectorUI log error "Error in WCF Service Call = b__0:System.Ser
000186857	Honeywell Forge Alarm Management – Reporting R2.2.1	Dynamo landing page appearing blank	Dynamo and ACM landing page appearing blank and icons are not visible after loading URL
000186859	Honeywell Forge Alarm Management – Reporting R2.2.1	Error in activate license request generation	While generating license activation file by using Activation ID in license utility webpage it is showing the following error: "Error in activate license request generation"
000186999	Honeywell Forge Alarm Management – Reporting R2.2.1	Report information not showing up after saving site changes in HAM Reporting R2.2.1	The following reports contained no information or little information: Standing & Stale, Shelved & Suppressed, Operator Activity, Sequence of Events, and Symptomatic Report. The DDMS view did not contain the correct information for the Configur
000187007	Honeywell Forge Alarm Management – Reporting R2.2.1	Malware reported on L4 Proxy server for DynAMo Metrics & Reporting	IT department reports that their malware detection system has reported malware on DynAMo proxy server related to that rundll32.exe injected code into another process (apphelp.dll) via hollowing.
000187020	Honeywell Forge Alarm Management – Reporting R2.2.1	DynAMo sending double reports through automatic emails	DynAMo sending double reports through automatic emails. User receiving one email with attachment and another email without attachment.
000187259	Honeywell Forge Alarm Management – Reporting R2.2.1	Require explanation about Shelved alarm KPI in M&R’s APO report	Summary : Shelved alarm KPI explanation and KPI data not matching
000187471	Honeywell Forge Alarm Management – Reporting R2.2.1	Alarm Activity Report User Fields with not data	Alarm Activity Report not showing the User Field values The User Fields have values captured by the Rules, and

Article Number	Products	Title	Summary
			these are visible in the Event Investigator Report, but the User field values are not showing the captured values in the Alarm Activity Report.
000187476	Honeywell Forge Alarm Management – Reporting R2.2.1	Inactive Event Stops Queue Processing due to Process Comment	The event queue increases in size and the Archiver Interface log file contains the following errors in order: 1. "Exception: Index was out of range. Must be non-negative and less than the size of the collection." 2. Debug message "Modified proce
000187788	Honeywell Forge Alarm Management – Reporting R2.2.1	Service not available error on opening Honeywell License activation utility	Summary : License Activation Utility web page reports "Service not available" error while license is working fine and all other M&R functions are working good. •The License activation was completed and HFAM reports are working good w
000188977	Honeywell Forge Alarm Management – Reporting R2.2.1	MES Log Viewer Flooded with EDPService Errors	On the HFAM Core server, when viewing the Intuition log there are several EDPService errors logged. "EDPService: http://Honeywell.DynAMo.MnR.WCFService/IEDPSWCFSer vice/GetDequelnformation"
000189572	Honeywell Forge Alarm Management – Reporting R2.2.1	Standing Alarm Report (24hrs) Gives error message Custom Error Module	Standing Alarm Report (24hrs) gives error message "The custom error module does not recognize this error" and the analyzer log gives error "Exception: An item with the same key has already been added"
000189660	Honeywell Forge Alarm Management – Reporting R2.2.1	Procedure to increase timeout setting for HFAM Reports	Sometime certain reports like Event Investigator would fail to open when larger time frame like 'all of last month/last 3 months/last quarter etc. is selected. Honeywell DynAMo Analyzer log and Intuition log record below time out error - "2024-07-
000188469	Honeywell Forge Process Safety Analyzer R2.1.0	How to troubleshoot when PSA Stopped collecting Events in R210 version and not starting after iisreset & basic settings changes	PSA Stopped collecting Events in R 210 version
000189005	Honeywell Forge Process Safety Analyzer R2.1.0	All SDs with no-cause detected and stored in DataWarehousePublishingError folder	PSA SDA publishing error- All SDs with no-cause detected and stored in DataWarehousePublishingError folder
000189020	Honeywell Forge Process Safety Analyzer R2.1.0	After PSA R210 migration from R201.3 there is an issue with Area names	After PSA R210 migration from R201.3 there is an issue with Area names. When migrating from PSA R201.3 to PSA R210 there is an issue where the legal value 'value IDs' are shown as the area name in the configuration. This is not very intuitive to the user
000189038	Honeywell Forge Process Safety Analyzer R2.1.0 Honeywell Forge Process Safety Analyzer R2.1.1	How to troubleshoot when seeing ',' instead of '.' in stock time eg7,000 instead of 7.000 in shutdownxml & reports	Seeing ',' instead of '.' in stock time eg7,000 instead of 7.000 in shutdownxml & reports
000186674	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve when SDA - Cause Effect analysis show other effects than those configured	SDA - Cause Effect analysis show other effects than those configured
000186675	Honeywell Forge Process Safety Analyzer R2.1.1	PSA Safety Overview - Saving comments does not work after entering comments.	PSA Safety Overview - Saving comments does not work
000186677	Honeywell Forge Process Safety Analyzer R2.1.1	How to troubleshoot when PSA published XML files end up in DataWarehousePublishingError	PSA published XML files end up in DataWarehousePublishingError and are not processed
000188208	Honeywell Forge Process Safety Analyzer R2.1.1	Antivirus Exclusion List for Process Safety Analyzer(PSA R211)	Request for a list of PSA components or files should be excluded from antivirus scan for Process Safety Analyzer(PSA R211).
000189003	Honeywell Forge Process Safety Analyzer R2.1.1	R211 BLF base template does not have the attributes updated for travel time	PSA R211 The BLF base template does not have the attributes updated for travel time
000189009	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve when PSA Event Re-processor fails for the SO assets	PSA Event Reprocessor fails for SO equipment and deletes entries in the SO state history table.
000189011	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve when Incorrect tag name is displayed in the SO State Count and Cumulative State Duration SSRS Report	Incorrect tag name displayed in the SO State Count and the Cumulative State Duration SSRS Report
000189012	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve when SO SSRS Reports' tag name filter is not functioning properly.	The SO SSRS Reports' tag name filter is not functioning properly. This applies to the SO Cumulative State Duration

Article Number	Products	Title	Summary
			SSRS Report as well as the SO State List. It appears that the Equipment Name is what the tag name filter is searching for instead of the Dis
000189015	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve formatting of SO SSRS Reports and exported PDF-Excel when it is narrow, and the State Name filter is missing. The tag name, Comment column is too narrow in the reports, so the tag name gets spread across multiple rows.	Formatting of SO SSRS Reports and exported PDF-Excel is narrow and the State Name filter is missing. The tag name, Comment column is too narrow in the reports, so the tag name gets spread across multiple rows.
000189016	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve when PSA Online views are unresponsive during a bulk load and for a period after bulk load	PSA Online views are unresponsive during a bulk load and for a period after bulk load
000189017	Honeywell Forge Process Safety Analyzer R2.1.1	How to resolve >42000 rows missing from the EventSignatures table was after new assets were added to SOEquipment using the BulkLoad file	The EventSignatures table was missing >42000 rows after new assets were added to SOEquipment using the BulkLoad file, after all post-processing (build cache, etc.) was finished, and the EventSignatures database was rebuilt.
000189018	Honeywell Forge Process Safety Analyzer R2.1.1	The Failure report in PSA R211 needs to be removed from the base PSA installation	The Failure report in PSA R211 needs to be removed from the base PSA installation. The SES Failure report is no longer used in the PSA application as standard. However, by default, it is deployed in the PSA database when installed. It does not exist in t
000189027	Honeywell Forge Process Safety Analyzer R2.1.1	SIL Final Element Verification Report is very slow on PSA R2.1.1.	SIL Final Element Verification Report is very slow on PSA R2.1.1. We ran a query for approx. 1 year, and it took more than 20 minutes to complete and display the report.
000179134	Honeywell Forge Process Safety Analyzer R201.2	PSA Server sizing	How to chose what size your system is (small/medium/large) for PSA setup
000178625	Honeywell Forge Process Safety Analyzer R201.2 Honeywell Forge Process Safety Analyzer R201.3	how to resolve when PSA Event Browser fail for option "Event Source" timeout exception	PSA Event Browser fail for option "Event Source"
000188900	Honeywell Forge Process Safety Analyzer R201.3	PSA System health information not working after service accounts updated	The PSA System health page is not working after the service account password was changed and updated in all of the AppPools, windows services etc. Seeing an error related to login when the page is shown. "PSAHealthMonitoringAPI.HoneywellIMESProcessSafety

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Honeywell Forge Operations Management

Knowledge Article: Summary of Articles – 2Q24-3Q24

Below is a list of knowledge articles published to **Process.Honeywell.com** for the following supported products:

- Uniformance Executive R301 – 330.1
- Uniformance KPI R121 – R140.1
- Honeywell Forge Operations Logbook R240.1 – R246.2
- Honeywell Forge Operations Monitoring R240.1 – R246.2

Article Number	Products	Title	Summary
000189256	Honeywell Forge Operations LogBook R246.2	The shift summary report is not loaded the first time for an asset	Operations Management Logbook R246.2 - The reports are not loaded the first time for an asset. User has to click on filter, with including children checked then click Apply button for the reports to load properly.
000188957	Honeywell Forge Operations LogBook R246.2	Recreate logbook shift report for past date	User is able to go back and recreate older Logbook shift summary report for past dates.
000189641	Honeywell Forge Operations LogBook R245.1	Operations Logbook installation error related to Adobe	Adobe installation error is observed although Adobe is already installed. "Adobe PDF iFilter 11 for 64-bit platform is required for Logbook Application server installation".
000189280	Honeywell Forge Operations LogBook R246.1 Honeywell Forge Operations LogBook R246.2 Honeywell Forge Operations Management R246.1 Honeywell Forge Operations Monitoring R246.1 Honeywell Forge Operations Monitoring R246.2	Hierarchy Window refreshes and snaps to top after asset selection	HFOM R246.1 - LR Console Hierarchy Window refreshes and snaps to top after asset selection.
000189646	Honeywell Forge Operations LogBook R246.2 Honeywell Forge Operations Management R246.1 Honeywell Forge Operations Monitoring R246.2	Error login to the License Activation Utility	"Error in Authorize, check logs for more details".
000189709	Honeywell Forge Operations LogBook R246.2 Honeywell Forge Operations Monitoring R246.2	Unable to login to License Activation Utility	"Service Not Available" is observed when login to License Activation Utility for Honeywell Forge Operations Monitoring/Logbook
000189567	Honeywell Forge Operations LogBook R246.2 Honeywell Forge Operations Monitoring R246.2	HFOM - Vulnerability with Microsoft Message Queuing (MSMQ)	Microsoft Message Queuing (MSMQ) RCE CVE-2024-30080 impact on HFOM application
000190025	Honeywell Forge Operations Management R246.1	HFOM Home page is not loading	HFOM - Home page is not loading in a test server after installation.
000189703	Honeywell Forge Operations Management R245.1 Honeywell Forge Operations Management R246.1	Is it possible for user to acknowledge standing order?	Some Standing Orders open on Friday and close on Monday. We need the same user to be able to acknowledge the same Standing Order on different days. Is it possible?
000189295	Honeywell Forge Operations Management R246.1 Honeywell Forge Operations Monitoring R246.1 Honeywell Forge Operations Monitoring R246.2	Backfill create duplicate deviations	Manual backfill in monitoring created duplicate deviations in Honeywell Forge Operations Monitoring HFOM R246.
000189258	Honeywell Forge Operations Monitoring R246.2	Save preference for sort with Variable name change to Asset name	If user goes into a particular limit and hit the "grid" button (Go back to Summary Page), the Sort By always changes to Asset Name, no matter if user has preferences or not.
000189605	Honeywell Forge Operations Monitoring R246.2	Reason list must be kept in the order that they are entered on Health Monitoring page	When there are more than one reason for health target deviation, the reason is not showed in the order that they are entered in HFOM R246.2.
000187630	Honeywell Forge Operations Monitoring R245.1	Loading of Variable Limits page takes 5 minutes to complete	Loading of HFOM variable data takes 5 minutes to complete
000189279	Honeywell Forge Operations Monitoring R246.2	Filter and Sort at Variable limits page does not return correct result	Filter and Sort at Variable limits page does not return correct result.
000189640	Honeywell Forge Operations Monitoring R246.2	Upgrade cannot proceed due to "Number of LRs present in this system are more than 2" message	Upgrade to R246.2 stuck with "Number of LRs present in this system are more than 2" message.

Article Number	Products	Title	Summary
000189156	Honeywell Forge Operations Monitoring R246.2	HOM246.2 Patch1 DB script execution error OPTIMIZE_FOR_SEQUENTIAL_KEY	While installing the 246.2 Patch1 on DB server throwing error for key 'OPTIMIZE_FOR_SEQUENTIAL_KEY'
000189833	Honeywell Forge Operations Monitoring R246.2	IP21 server OPC Server to HOM communication Architecture	Communication establishment architecture for IP21 to HOM data fetching (Ex: Ellipsys OPC Server)
000189014	Honeywell Forge Operations Monitoring R246.1	License Activation Utility Installation failing with Error 1603	License Activation Utility Giving Error 1603 while installation
000190156	Honeywell Forge Operations Monitoring R246.1	Portable HOM Excel addin installable media from source ISO	Extracting portable Excel addin components from ISO to install in client machine downloading through software of respective site.

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Honeywell Production Management

Intuition Forms End of Life Announcement

This communication is intended for the existing customers that have Honeywell Intuition Forms® product line application installed and running in one or more of their sites.

Key Details:

- **Product Affected: Honeywell Intuition Forms®** (last available release: R200.5)
- **End-of-Life Date:** The latest release of **Intuition Forms** product will be phased out of support effective **31st December 2025**.
- **Impact:** No further technical support, updates, or patches will be provided after this date.

What This Means for You:

- **Support:** Your current installations will remain functional, but support will end after December 31, 2025.
- Please login to our support website www.process.honeywell.com for details on latest support policy.

Customers with active and paid service and support contracts, are requested to contact their respective account managers or Honeywell's Global Support team for additional information.

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Honeywell Production Management – Continuous (PAR-Production Accounting & Reconciliation) R212.3

Honeywell Connected Industrials is proud to announce the release of Honeywell's Production Management – Continuous (PAR-Production Accounting & Reconciliation) R212.3, the Production Management software solution for Refinery, Petrochemicals & MMM from HCI-Honeywell Connected Industrial.

Honeywell's Production Management – Continuous (PAR), Production Accounting & Reconciliation is part of the Operations & Performance Management portfolio of software and services, which provides an end-to-end solution for Production Management. From production accounting to reconciliation and analysis, it is a comprehensive, scalable solution, built on deep domain knowledge to drive better business decisions, continuous improvement and achieve Production Management excellence.

Honeywell's Production Management – Continuous (PAR) has been designed to integrate seamlessly with Honeywell's Process Historian Database (PHD) and is also capable of supporting Blending and Movement Systems.

The extensive feature set and robust logic has been further enhanced in this release 212.3.

Key PAR enhancements

- **ASTM – upgrade**
- **Ethylene and Propylene calculations**
- **Product Name Writeback**
- **Configure minimum confidence for tags**
- **MPM -> PAR Migration (subsuming MPM into PAR)**

Value & Benefits

- Ethylene and Propylene calculations support liquid and vapor density calculations, while accounting for expansions due to tank shell material in order to calculate the total mass, even at cryogenic conditions.
- Product Name writeback - PAR allows the user to update the information of the material in a tank directly in historian without any other interface
- ASTM upgrade – the API and ASTM standards implemented in PAR for hydrocarbon volume correction calculations have been upgraded to their latest version
- Configure minimum confidence – PAR reads data from OPC historian tags that have confidence greater than a certain threshold. From this release, this threshold is user configurable, allowing greater flexibility in reading data from different historians.
- Migration Tool – Simply converts existing code/configuration to new environment.
- Zero loss of existing features on migration (including customs); Zero loss of transaction data
- Technology/ Platform refresh – Extended technology & support period
- Attain higher process maturity levels – Adapt newer capabilities of PAR
- Faster startup by using vertical specific templates (ex: use existing MMM template to address new opportunity)

Key Features

- Ethylene and Propylene calculations
 - It is part of the standard suite of inventory calculations. Web based UI for all data entry and calculation workflow
 - These calculations can also be customized by user to account for any site-specific changes
- Product Name Writeback
 - Seamless integration with the existing writeback workflow. Can write data back to any historian supporting OPC interface.
- Configure minimum confidence for tags
 - Works with all historians supporting OPC interface. Minimum confidence is a user configurable value.
- Seamlessly Migrates MPM->PAR Environment (SharePoint free)
- Reuses existing template and/or create new templates

- Web based, SharePoint free environment
- Intuition based Security
- Intuition Role based management
- Currently, PAR & Solution builder are installed in 2 separate Servers

Use case examples

- Ethylene and Propylene calculations
 - Helps the customer know the total mass of Ethylene or Propylene in their tank at different temperatures after accounting for temperature effects on tank shell without any manual calculations.
- Product Name Writeback
 - Helps the customer automatically update the latest material stored in the tank directly from PAR instead of a manual change. Directly updating the value in the historian enables seamless flow of data from PAR and directly benefits other applications consuming data from the same historian
- Configure minimum confidence for tags
 - Helps the user read data from different OPC historians having different confidence configurations. The user can set different minimum confidence thresholds for different historians, allowing for greater flexibility in data source configuration in PAR.
- Quickly build manual data entry screens from existing templates
- MMM customers hugely benefit because of far-flung manual data collection points, not covered by plant network
- Production Tracking and accounting feature helps customer keep track of all Catalogs & Configuration

Besides the above, other performance improvements and fixes are also available for new installation/upgrades.

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How Can Honeywell's Production Management – Continuous (PAR) Help?

HPM-Continuous (PAR) allows manufacturers to make maximum use of their available quality data when making critical production and quality decisions as it:

- Reduces losses by mitigating custody transfer meter bias.
- Supports information transparency.
- Compliant with reporting and reconciliation standards, such as the AMIRA P754 Metal Accounting Reconciliation Code of Practice and Sarbanes-Oxley.
- Improves decision-making capability.
- Increases margin through better tracking of plan versus actual, correction of planning yields.
- Improves purchase decisions and maintains optimum inventory levels.

How can you learn more about these and all the other new features?

1. As a registered customer, you can access the Honeywell website for details.
2. Check the documentation available on <http://www.honeywellprocess.com>
3. Call the Help Desk or e-mail the Support team

How can I get the new release?

For information on HPM-Continuous (PAR) R212.3, please contact your Honeywell account representative.

Also visit the OPM Suite Web Page: <http://www.honeywellprocess.com>

Your Honeywell team will guide you with the offering.

We are here to answer your questions, help you integrate this offering into your operations, and support your strategic goals.

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Current Product Releases

Advanced Applications:

Honeywell Alarm Management

- Reporting **R2.2.1**
- Alarm Performance Optimizer **R2.0.0**
- Documentation (**ACM R321.12.7**)
- Notifications (UA R321.2)
- Process Safety Analyzer **R2.1.1**

Honeywell Operations Management R246.2

- Operations Logbook
- Operations Monitoring
- Operations Instructions
- Operations Limit Repository

UniSim Design Suite

- UniSim Design **R500**

Honeywell Workforce Competency R530.1

- Process Training Simulator
- Tutor
- Curriculum
- ProSim

Honeywell Production Management

- Production Accounting and Reconciliation **R212.3**

Honeywell APC (Profit Suite)

- Release **R513.1**

Uniformance

- Uniformance PHD **R430**
- Uniformance Process Studio R323
- Uniformance Asset Sentinel **R532**
- Uniformance Insight **R240**
- Uniformance Cloud Historian R100
- Uniformance Executive **R331**
- Uniformance KPI **R140.1**

Control Performance Monitor

- Control Performance Analytics-Unified (CPA-Unified) **R610.1**
- Taiji PID **R320.2**

Honeywell Blending and Movement (HBM) Suite

- Blending and Movement (PBM) **R530.2**
- Blend Performance Monitor (BPM)
- Experion Blend Controller (EBC)
- Experion Tank Monitor (ETM)
- Profit Inventory Monitor (PIM)
- Profit Blend Controller (PBC)
- Profit Blend Optimizer (PBO)
- LIMS Viewer (LV)
- Profit Movement Management:
 - Movement Monitor (MM)
 - Movement Control (MC)

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Contact Information

All GTAC support should be directed through <https://www.process.honeywell.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx> Portal.

Americas Support Centre Contact Information

Forge Blending & Movement (FBM/PBM/BMA/OM&S) Support	rac.support@honeywell.com	1-289-333-1500
OptiVision Help Desk	optihelpgroup@honeywell.com	1-513-595-8944
Honeywell Forge APC (Profit Suite) Support	apc.apptech@honeywell.com	1-800-822-7673
Technical Assistance Centre (TAC) – Americas		1-800-822-7673
Uniformance Help Desk	support@honeywell.com	1-403-216-2870
UniSim Design Suite Support	Unisim.Support@honeywell.com	1-800-822-7673
Honeywell Forge Workforce Competency Support	hpscusersupport@honeywell.com	1-800-822-7673

Asia Pacific (AP) Technical Assistance Centre (TAC) for Honeywell Connected Industrial contacts

Honeywell Forge APC (Profit Suite) Support	apc.support.emea@honeywell.com	
OptiVision Help Desk	p3its_onscall@honeywell.com	+ 358 20752 2300
Forge Blending and Movement (FBM) Solutions Support	bma.support.ap@honeywell.com	
UniSim Design Suite Support	unisim.support@honeywell.com	
Honeywell Forge Workforce Competency Support	hpscusersupport@honeywell.com	

Honeywell Asia Pacific regional GCCC hotlines:

Australia	GCCC.Pacific.HPS@Honeywell.com	1 300 301 135
China:	400-820-0386	800-820-0237
India:		1-800 2335051
Indonesia:		0018-03-440-212
Malaysia:		1 800-812-674
New Zealand:		0800 855 663
Pacific (outside Australia and New Zealand):		+65 6787 1788
Philippines:		1-800-1441-0223
Singapore:		6823-2215
Taiwan:		0800-666-051
Thailand:		0018-004-415-283

Europe and Middle East and Africa, (EMEA) Technical Assistance Centre (TAC) for Honeywell Connected Industrial contacts

Control Performance Monitor (CPM)	CPM.support.emea@honeywell.com	All global queries
OptiVision Help Desk	p3its_onscall@honeywell.com	+ 358 17 57 89 300

EMEA Honeywell Connected Industrial Helpline		+32 (0)2 728 2200
Honeywell Forge APC (Profit Suite)	apc.support.emea@honeywell.com	
Production Control Centre	kunde@honeywell.com	+47 6676 2180
Forge Blending and Movement (FBM)	bma.support.emea@honeywell.com	
Honeywell Forge Workforce Competency Support	hpscusersupport@honeywell.com	
UniSim Design Suite Support	unisim.support@honeywell.com	
Automation College	www.automationcollege.com	

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