Honeywell

BENEFITS GUARDIANSHIP NEWSLETTER

QUARTERLY NEWS / Q3 - 2021

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

In this issue,

- *Honeywell Forge Blending and Movement R520 Available.*
- *Honeywell Forge Workforce Competency R520.1 Release.*
- *New series of Technical Webinar videos by UniSim Design Team.*
- *Honeywell Forge APC Suite R511.1 is released and CPM R603.2 / TaiJi PID R320.2 released.*
- *New Product Release: Alarm Performance Optimizer*
- *DynAMo Documentation & Enforcement (ACM R321.12.5) Release.*
- *Honeywell Forge Process Safety Analyzer (PSA) R201.3 Release.*
- *List of knowledge articles published to HoneywellProcess.com / Support.*

AND

Don't forget to watch our latest video on the new Honeywell Forge for Industrial offering to see how it can transform your business today.

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

GlobalBGPDeliveryCentre@honeywell.com

HONEYWELL FORGE BLENDING AND MOVEMENT

- Honeywell Forge Blending and Movement R520 is now available

READ FBM ARTICLES

HONEYWELL FORGE WORKFORCE COMPETENCY

- R520 Release Announcement

READ WORKFORCE COMPETENCY ARTICLES

UNISIM® DESIGN SUITE

- UniSim Design Technical Webinar series

READ UNISIM DESIGN ARTICLES

HONEYWELL FORGE APC

- APC Suite R511.1 is released
- CPM R603.2/TaiJi PID R320.2 released
- 3Q21 Summary of Articles

READ HONEYWELL FORGE APC ARTICLES

HONEYWELL FORGE ALARM MANAGEMENT

- Alarm Performance Optimizer
- DynAMo D&E R321.12.5 Release
- HF-PSA R201.3 Release

READ ALARM MANAGEMENT ARTICLES

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UPCOMING PRODUCT RELEASES | CONTACT

Honeywell Forge Blending and Movement

Honeywell Forge Blending and Movement R520

Did you know…that the new release of the Blending and Movement applications is now available. The Profit Blending and Movement (PBM) suite of applications is now known as Honeywell Forge Blending and Movement (FBM)

As part of the re-naming of the Blending and Movement suite of applications, the individual product names have also been updated, as of the R520 release. The new names are shown in Table 1 below:

Table 1: Blending and Movement Applications

Previous name	New name	Application function
Profit Blend Controller (PBC)	Blend Controller (BC)	in-line blend control
Profit Blend Optimizer (PBO)	Blend Optimizer (BO)	blend property optimization
Blending Instructions (BI)	Blending Instructions (BI)	blend order library
Profit Inventory Monitor (PIM)	Inventory Monitor (IM)	tank monitoring and alarming
Profit Movement Management – Movement Monitor (PMM-MM)	Movement Management – Movement Monitor (MM-MM)	plant material movement monitoring
Profit Movement Management – Movement Control (PMM-MC)	Movement Management – Movement Control (MM-MC)	plant material movement control; work in conjunction with MM-MM
Experion Tank Monitor (ETM)	Tank Monitor (TM)	tank monitoring and alarming - standalone application, that is intended as a one-to-one replacement for LCN-based Storage Data Management (SDM)
LIMS Viewer (LV)	LIMS Viewer (LV)	lab data interface from Laboratory Information Management System (LIMS) to operators and control applications
Blend Performance Monitor (BPM)	Blend Performance Monitor (BPM)	blend data repository that supports the collection, storage, and analysis of finished product blending information

Highlights of the new Blending and Movement release R520 include:

- compatibility with Experion PKS R520.1

- new Property Trim options for Blend Controller: an option is offered to control to a combination of the Error Barrels (accumulated error) and Current Error, with a weighting between the two. This option provides a consistent, linear basis for control and allows the control moves to slow to prevent oscillations.

- improved convergence on a solution for Blend Optimizer: the non-linearity that is in the blend laws is moved into the constraints to improve the objective function. This improves the speed at which the NOVA solver converges on a solution.

- improved set of Inventor Monitor displays: the new display set provides data for multiple tanks in a tabular format. Three views are provided: Tank Summary, Active Tanks, Tank Overview

- improved set of Movement Monitor displays:

    o An Active Task List provides the operator fast access to task information. Tasks are sorted by event timing, placing those requiring attention at the top of the display.

    o A pop-up launched from Tank Farm Graphics (TFGs) offers a simple and intuitive mechanism to create, monitor and control material movements

    o A pop-up launched from Tank Farm Graphics (TFGs) offers a simple and intuitive mechanism to update and validate a blend recipe associated with a blend task

    o A pop-up launched from Tank Farm Graphics (TFGs) offers a simple and intuitive mechanism to update the composition of the material in a tank

For more information about the Blending and Movement 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 Forge Workforce Competency

Honeywell Forge Workforce Competency R520.1 Release Update: September 30, 2021

Honeywell is pleased to announce the next release of our solution combining training simulation and competency assessment to support plant operations and built with the goal of delivering comprehensive training programs at scale. It allows operations staff to interact with processes during the entire life cycle. Simulation uses a collection of digital twins including a first principles process model and integrated controls system used in the design, validation, commissioning, and optimization phases of processes as well as training board operators at facilities.

Rebranding of the Solution

Rebranding of the Honeywell Forge Workforce Competency solution and its associated modules start with this release. The chart below maps the name changes.

Industry-leading dynamic simulation engine UniSim® Design is still part of the Honeywell Forge Workforce Competency solution.

Previous Name	Rebranded Name (As of R520)
UniSim Competency Suite	Honeywell Forge Workforce Competency
UniSim Operations	Honeywell Forge Process Training Simulator
UniSim Tutor	Honeywell Forge Tutor
UniSim Curriculum	Honeywell Forge Curriculum
UniSim ProSim	Honeywell Forge ProSim

Honeywell Forge Workforce Competency New Capabilities – September 2021

The enhancements to Honeywell Forge Workforce Competency are designed to support higher-fidelity Safety Manager training integration, easier installation of modules, and enhanced Immersive Field Simulator (IFS) report information.

Enhancements include:

- Safety Manager Adapter: This adapter is the largest part of this release; this is the first-time training is enabled for the actual Honeywell Safety Manager solution as configured at the plant. This integration of the solution is also meant to increase ease of updates, using fewer steps and less expertise.
  - Integration with SIM-SM (simulated safety controllers) for SC R211.1 and later versions
- Safety Manager Emulation
  - Emulation Toolkit enhanced to support new Functional Logic Diagrams (FLD) export format from Safety Manager SC R211.2 onwards
- Product install package is restructured into smaller purposeful packages:
  - Separate installation for Tutor modules package
  - Individual install package for different DCS Simulation Servers
  - Scripting capability for unattended installation
- Immersive Field Simulator Adapter:
  - Evaluation reports are enhanced to include field operator name when evaluations are taken together by panel operator and field operator

Other information about Honeywell Forge Workforce Competency is available in the Product Information Note (log in may be required). Customers are also invited to register to use the Knowledge Base. Please follow this link for full details.

Honeywell Forge Workforce Competency Training

The related courses provided at the Honeywell's Automation Colleges are:

Process Training Simulator:

- OTS-0001: Fundamentals - Instructor Operation

- OTS-0002: Fundamentals - Configuration Implementation

- OTS-0003: Fundamentals - Run Time Graphics Using HMIWeb Implementation

- OTS-0004: Fundamentals - System Manager Administration

- OTS-0006: Fundamentals - Experion Implementation

To get the schedules and more details about these training courses on simulation or other Honeywell products, go to https://www.honeywellprocess.com/en-US/training/Pages/default.aspx.

Under some conditions, those courses can also be provided at the customer's site as appropriate.

Updates available

Honeywell Forge Workforce Competency R520 will be released in October 2021 – currently no updates.

The latest patch for Honeywell Forge Workforce Competency R471 is Patch 1 (released on August 02, 2021)

1-DJ5JUG9: Qualification of Foxboro DCS interface

1-DM6LSVF: Fixed bug preventing USD strip chart history being restored on snapshot load

HCPP-21923: Fixed unhandled exception when communication SM point alarm priority

HCPP-22022: Fixed bug in CL translator utility that produced incorrect FORTNAME

HCPP-21602: Fixed bug causing unhandled exception during DeltaV translation

1-DCJKA8J: Modified SM toolkit to increase communication count

1-DKVCSU7: Enhancement to support Safety Manager Adaptor

1-DJZH4HB: Enhanced support for Trident memory range for integers and reals

1-DJEMZXF: Fixed bug with allocation of PCDI communication channels in *.iokey file

1-DCQ6GOJ: Enhancement to speed up HIMweb graphic call up time on remote machine

1-DFNTPAB: Enhanced snapshot load logic to avoid lengthy load time with "stub" adapters

1-DG4YB4J: Fixed bug preventing control changes from Native Window being available to procedure checklist evaluations

1-DJ520OQ: Resolved issue with simulation speed reduction when IFS Adapter exceed 8175 Tags

UniSim Competency Suite R470 patch releases

The latest patch for UniSim® Competency Suite R470 is Patch 5 (released on January 21, 2021)

UniSim Competency Suite R461 patch releases

The latest patch for UniSim® Competency Suite R461 is Patch 4 (released on October 09, 2021)

> 1-DKUO57R: Fixed bug causing SM emulation pulse initialisation failure
>
> 1-DN7R52J: Enhancement to increase HMIweb graphics call-up time
>
> 1-DBVJQ3X: Fixed bug causing RSLogic Adapter communication failure
>
> 1-D5Y8FWC: Fixed bug in data owner code causing TPS communication failure when HPM are switched from basic to full mode
>
> 1-DCYEJ31: Fixed bug with RSLogic SimFreeze command
>
> 1-DCQ6GOJ: Enhancement to speed up HIMweb graphic call up time on remote machine
>
> 1-DFNTPAB: Enhanced snapshot load logic to avoid lengthy load time with "stub" adapters

UniSim Competency Suite R460 patch releases

The latest patch for UniSim® Competency Suite R461 is Patch 11 (released on September 16, 2020)

> HCPP-21590: Fixed bug while reading the TPSIM.CFG file with multi-CNI configured.
>
> HCPP-22766: Enhancement to provide more control over the HMI Web graphic navigation in a field view window, a new navigation event, BeforeNavigation2 is introduced
>
> 1-DCQ6GOJ: Enhancement to speed up HIMweb graphic call up time on remote machine

Article submitted by – Martin Ross, HPS Technical Support – Workforce Competency.

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UniSim® Design Suite

UniSim Design R490 release

This article introduces the latest UniSim Design R490 release.

All customers, who have not yet done so, will need to register and then login to use the Knowledge Base links in this article (unless noted otherwise). Please follow this link for full registration instructions. Having registered please visit https://www.honeywellprocess.com/support and login before following the links in this article.

An archive of all the UniSim Design Newsletter articles can be found here.

How do I and Technical Webinar video series

A reminder that a full set of How do I and Technical webinars videos are available online:

Recent How do I videos include: (No login required)

UniSim Design - How do I - Register an Extension in UniSim Design
UniSim Design - How do I - Set the COM/Automation registered version of UniSim Design
UniSim Design - How do I - Use the Tray Sizing Utility
UniSim Design - How do I - Solve the compressor using compressor curves

For a full list of How do I videos visit: UniSim Design How do I video series - Index KB: 108681

The UniSim Design technical support team have started a new series of technical webinar videos. Follow the links below to see some of the videos. (No login required)

UniSim Design - Technical Webinar - Tips and Tricks
UniSim Design - Technical Webinar - UniSim Flare Introduction
UniSim Design - Technical Webinar - Excel Tools for UniSim Design

For a full list of webinars visit: UniSim Design Technical Webinar series - Index KB: 118625

If you have a suggestion for a How do I video or webinar topic then please Contact us, we value your input! (No login required).

UniSim Design Suite R490

Honeywell's UniSim Design Suite R490 is planned for release in the last quarter of 2021. UniSim Design Suite R490 includes enhancements in several areas. These are outlined below. All the enhancements that were first added to UniSim Design R481 are included.

Full details of UniSim Design R490 may be found in the Knowledge Base. Visit https://www.honeywellprocess.com/support Login and then follow:

- UniSim Design Suite R490 Information (No login required).

- UniSim Design R490 Software Change Notice (SCN)

Thermodynamics

Carbon Capture and Storage (CCS)

CCS modeling functionality such as thermodynamic models for CO2 operations, transport & injection has seen further enhancements in UniSim Design R490. For this release, the changes are:

- The Span-Wagner and EOS-CG property packages have been tested and evaluated in the EO Blowdown utility.
- Extended the EOS-CG property package to support more impurities.

DIPPR Database

The DIPPR database is now included. This database, developed by the Design Institute of Physical Property Data (DIPPR) Project 801, and licensed by Honeywell from AIChE, includes the property data, equations, and equation parameters for hundreds of components. No additional license is needed to use the DIPPR database.

Unit Operations

Sulfur Recovery Unit Enhancements

The Sulfur Recovery Simulation capability in UniSim Design R490 release includes many enhancements that first appeared in the R481 release and incorporates feedback from Honeywell's Ortloff division. Some highlights are:

- Furnace temperature and sulfur recovery rate can be predicted more accurately in the Sulfur Recovery Unit (Claus process), matching plant data provided by Ortloff.
- The accuracy of the prediction of COS, CS2, H2 and CO formation in the furnace and Claus reactors has been improved. Reaction model parameters for each reactor are provided which enable the user to tune those parameters to match the simulation results to field values.
- The distributions of Sulfur allotropes are predicted through the Waste Heat Reboiler and Condensers.
- As well as the model for the simulation of the Claus Process, Tailgas Cleanup Unit (TGCU) and Tailgas Oxidizer (TGO) simulation modules have also been developed for this release. These enable the user to simulate those sulfur recovery processes for meeting stringent environmental requirements.

Gibbs Reactor – Optimizer option

Gibbs Free Energy minimization using the optimizer has been added as an optional solver in the Gibbs Reactor. When this option is enabled, an optimizer is automatically configured with variables, constraints, and an objective function. It is then called to get the product compositions. This new option locates a global Gibbs Free Energy minimum for the system.

PIPESIM Link

The UniSim Design link to PIPESIM has been updated to work with Schlumberger's PIPESIM versions 2017 and newer.

It uses PIPESIM's pipe systems calculation engine and UniSim Design's fluid properties. Highlighted functionalities include:

- Importing PIPESIM Model (.pips) file
- Linking PIPESIM Sources, Sinks and Wells to UniSim Design's streams.
- Setting up boundary conditions
- Mapping of components
- Tabulating and plotting of profile results

Refining

Spiral Crude Assay Database Link

Crudes can be directly imported from the Spiral crude assay database (via an import from the Spiral XML file). Bulk properties, cuts data and light ends information are read during the import. Note that for reading these crude assays, the user needs to have a separate license for the Spiral crude database.

ASSAY2 Crude Manager

The ASSAY2 tool, a Honeywell crude selection and evaluation software application, was integrated into UniSim Design R481. This provides an upgrade path for existing ASSAY2 customers and allows UniSim Design users to take advantage of the crude assay management system. Assays from ASSAY2 databases can now be incorporated into UniSim Design Refinery cases, building on the existing functionality for importing assays from Haverly H/CAMS and assays defined in Microsoft Excel.

Additional functionality added in R490 includes:
- Developed Data tab added
- Recut operation shows the recut results in extra tabs for the selected crude
- LP Input operation added, allows the user to create .csv files in Aspen PIMS format for the selected crude

| Hydroprocessing Reactor improvements | The UniSim Design Refinery hydroprocessing reactors and unit processing flowsheet have been improved.

The documentation has been updated (refer to "UniSim EO Environment.pdf") so that the user may better understand the reactors and how to tune them. When tuning these reactors, the user should pay particular attention to the underlying relationships and equations as documented. This will help to avoid moving into infeasible regions.

Additional functionality added in R490 includes:
- Advanced Reactor Tuning for less common processes and for fine tuning
- Detailed Reaction Stoichiometry now shown
- Isothermal operation is now possible |

| FCC Enhancements | Several detailed improvements were made to the FCC model in R481 and so are included in R490. |

Tools & Utilities

| EO Blowdown Utility Enhancements | The improvements for the EO Blowdown Utility for UniSim Design R490 are as follows:
- Flash enhancements:
  - Initialization for nonexistent phase compositions has been improved
  - Two new validation options (Level2 and Relaxed) for the simultaneous flash have been added and can be tried if the utility fails to solve with difficult thermodynamic systems
  - New Free Water and Medium Model options have been implemented in the simultaneous flash
- An inconsistency in the Velocity and ExitVelocity variables (displayed in strip charts) in the Basic Multiphase pressure/flow method has been corrected. The velocity calculation in the API 521 pressure/flow method has also been corrected to account for the discharge coefficient. This correction affects the point at which choked flow occurs.
- Enhancements in the geometry model have been made to improve convergence
- Choked Flow status is no longer displayed in the status bar. It is instead displayed on the parameter view of the relief orifice and relief valve which is consistent with the main environment valve user interface.
- Further general robustness enhancements for thermodynamic calculations, flash calculations and unit operation models. |

| Emission Utility Tool | A new Emission Utility was added in UniSim Design R481 to allow the CO2 emissions of the process model to be estimated. This utility helps the user to estimate the CO2 emissions based on power and utilities consumption for any steady state flowsheet. The CO2 emission estimation is based on the fuel equivalent of the utility consumed and covers these unit operations: Pump, Compressor, Steam Heater, Water Cooler and Air cooler. In addition, the tool supports a custom user specified equipment feature to include non-modelled consumer types.

In R490 the tool has been enhanced:
- New predefined combustion fuel types are included, also the user may now configure their own fuels and their CO2 equivalent emissions.
- Direct CO2 gas emissions can be calculated by browsing the flowsheet for the modeled process stream or by directly feeding in the equipment heat duty or combustion fuel flow rate into the tool.
- CO2 emission calculation for fired heaters is now included. |

WebAPI	The UniSim Design WebAPI allows programmers to automate the operation of UniSim Design, regardless of whether the application and scripting components are running on the same machine. As the name suggests, a typical scenario is a script running on a local machine driving a UniSim Design application hosted in the cloud. This arrangement can support efficient centralization of valuable models whilst making it easy to access and manipulate those models from different locations.

The initial release of the WebAPI allows for the following (in some cases limited) activities:
- Local and remote launch of nominated UniSim Design cases
- Dynamic attachment to a running local or remote UniSim Design case
- Perform case management (Saving/Loading cases) etc.
- Perform data access (readily access and manipulate unit operation and stream data) as well as bulk transfer activities such as Process Data Tables
- Control the integrator to suspend/resume calculations
- Perform dynamic case control (freeze, reload, speed and execution control etc.)
- Perform some EO optimization and manipulation activities
- Perform pre-build simulation basis activities (setting up and interacting with Fluid and Property packages, components etc.).

The Programming API is available for both C# and Python. The emphasis on the initial release has been on Python – providing an easy-to-use, intuitive API for the programmer to utilize. Combining this with the rich Python ecosystem of data manipulation and visualization tools, together with the growing popularity of Python amongst the data science community, Honeywell hope to facilitate the creation of many new tools and applications using UniSim Design as a central resource.

The WebAPI will be made available via an SDK (Software Development Kit) on the UniSim Apps Store. The SDK includes the necessary libraries, software, and sample programs together with guidance (How-To tips) and reference documentation. For questions on the use of the WebAPI, please contact us

OPC History Client	An enhancement was made in R481 and so is included in R490.

The existing OPC Client was supplemented with an OPC History Client to allow the simulation model to be populated with data from a historian.

Equation Oriented (EO) Environment

EO PFD Enhancements	The EO PFD view has been enhanced to more closely resemble the familiar, legacy UniSim Design PFD views.

- Connection lines show solved state by their color. The stream icon and coloring now match the legacy PFD.
- PFD tooltips were added for stream properties (Temperature, Pressure, Mole Flow, and Mass Flow).
- Several shortcut keys were added including:
  - Rotation keys (1,2,3)
  - Reset orientation key (n)
  - Previous zoom key (z)
  - Center on mouse position key (c or '.').
- PFD Tables now include support for
  - user supplied display formats
  - adding variables like GasOilRatio or IdealDensity which are created on-demand for a stream
- The fixed icon for an object on a disconnected port (i.e., stream) points in the correct direction (towards the unit operation icon when incoming and away when outgoing).
- A "Remove Connection" context menu has been added for connections made to ports that support multiple (vector) connections.
- Moved objects can no longer be placed over other objects (when attempting such a move, dotted red selection boxes are displayed and objects temporarily stop moving). Once moving is complete any connections that become covered are re-routed. The routing logic has been enhanced significantly such that connections lines will not overlap with objects (except where unavoidable).
- The speed of working with large PFDs has been improved considerably.

- When copying or moving into a sub-PFD, PFD objects that share portions with other top-level objects (such as InReactor in ConversionReactor) are now recognized and the user is asked if they should be included.
- Sub-PFDs can be copied and pasted (to any level) and will retain their object layout.

EO Column Enhancements

The following enhancements were made to the EO column:

- Pure phase side draws have been added.
- A Modified inside-out initialization method is implemented: it can handle heater/cooler/heater exchanger/tee/mixer/valve/pump unit operations inside the column sub-flowsheet.
- Setting options are added for sequential column.
- Improvements in EO column specs:
  o All current values are shown even when the spec is not active
  o Users get proper warning if the spec is not fully defined
  o Newly added spec types:
    ▪ Heat/Cool Delta Temperature
    ▪ Tee Ratio
    ▪ Pump Around Temperature Drop
    ▪ Pump Around Volumetric Flow
    ▪ Pump Around Molar Flow
    ▪ Draw Rate (Std. Liq. Vol basis)
- The EO column sequential model solving speed has been improved by making internal model improvements and disabling iterative initialization after IO Convergence.

Newsletter Articles

We aim to provide articles of interest to the UniSim Design user community. If you have any feedback or have suggestions for topics to cover here please feel free to contact us; we value your input.

Article submitted by – James Martin, Team Lead, UniSim Design Global Support Team.

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Honeywell Forge Advanced Process Control

Honeywell Forge APC R511.1 is now available for download

APC Suite R511 introduces Smart APC Supervisor, which is a non-linear optimizer that assists operators in setting optimal limits to maximize plant profitability. In addition, R511 builds on R510 functionality delivering incremental improvements specifically in Plant Wide Optimizer (PWO), Process Controller, APC Web Viewer, Lab Update, USD Socket and Python Infrastructure. Finally, R511 has a strong maintenance release flavour with over 100 Product Anomaly Reports (PARs) fixed. The full details of these new features and functional release specifics/download locations are given below.

Smart APC Supervisor – Smart APC supervisor is an optimizer that assists operators in setting optimal limits and targets to maximize plant profitability. This is achieved using a constrained nonlinear optimization. The model used for optimization is a nonlinear model. The nonlinear model is a cost weighted sum of one or more XGBoost models. Each XGBoost model is developed to describe an economic function of the process for e.g., feed, recovery, profit etc.

Every iteration, Smart APC Supervisor reads the values, limits, soft delta limits, APC status and APC variable status of all decision variables. After the optimization run, the Smart APC Supervisor displays the results of the optimization to the operator in the form of optimum limits and soft delta limits for the decision variables of the optimizer. The number of decision variables for which new targets are calculated is a user defined parameter. The operator then reviews the changed limits and targets and approves the change for selected decision variables.

The optimum limits and soft delta limits of the accepted decision variables is written to APC. The diagram below shows the main elements and data flow in Smart APC Supervisor:
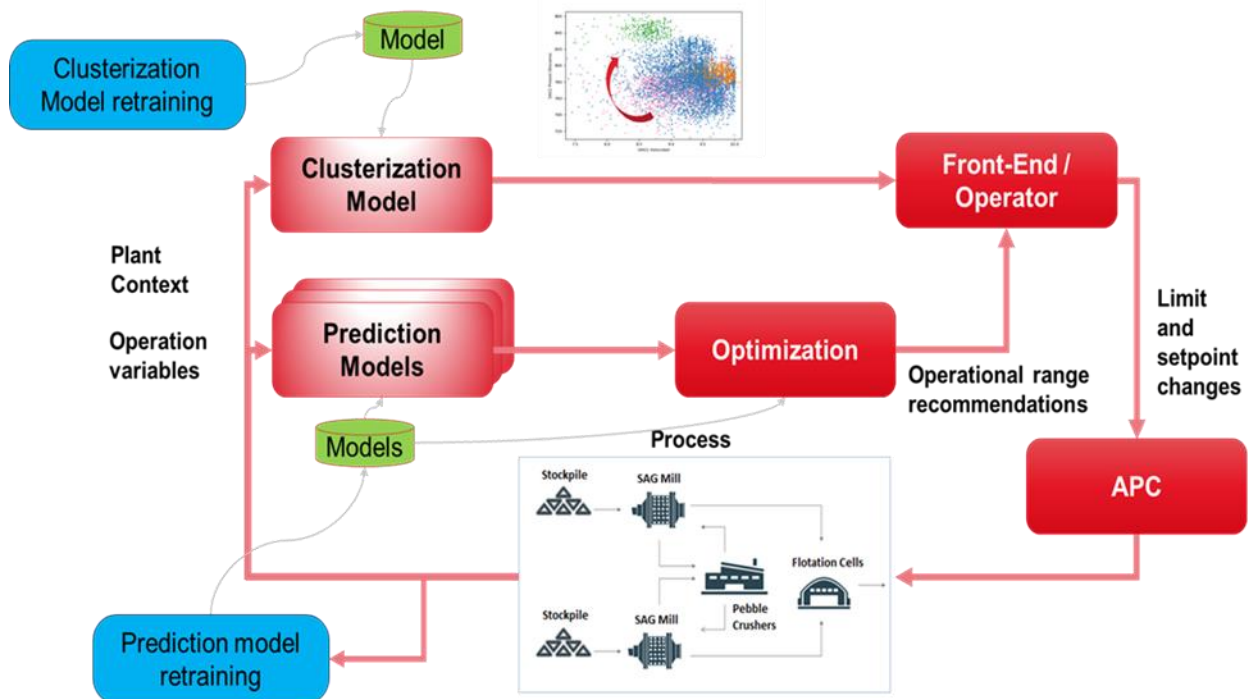
Plant Wide Optimizer (PWO) – the following new functionality has been added to PWO:

Integration with batch blending – end products can now be specified as production volumes (over the optimization horizon) instead of production rates and furthermore those end products can be optimized based on market value and demand. The end products are created by a series of virtual blenders and virtual product tanks downstream of blend component tanks.

Support for Forge Blending – decoupled information from PWO's continuous blenders can be shared with Honeywell Forge Blending through a separate interface block. This block allows the product recipe to be written as a target to the Forge Blender while information on property biases can be returned to the Plant Wide Optimizer.

In addition, integration of routing variables with the optimizer, elimination of duplicate/inconsistent stream properties for better optimization, a PWO simulator has been developed and computation of incremental stream costs and values have been added.

Process Controller – the following enhancements have been made:

Allow negative balance factor for integrating CVs – database limitations have relaxed to support this negative entry.

Trigger Limits addition – support for integrating CVs. These trigger limits disable normal user entered limits, unless the integrator is sufficiently close to the user entered limit or a large change in the integrator will likely cause an imminent limit violation. By eliminating limits when the integrator is near the middle of its operating range, MV changes resulting from CV noise or short-term disturbances can be eliminated or reduced.

APC Web Viewer – the following new functionality has been added:

L4 Write Capability – Request to modify APC parameters from L4, View pending write requests in L4, Operator acceptance of write requests and Acknowledgement log have all been added to allow for L4 write capability.

PWO visuals – are improved to fit in the platform related changes described above for a better user experience.

Overall improvements – Access based roles and groups can be added to Windows groups, which in turn can be added to Intuition groups, Themes are now more closely aligned to APC operator station themes allow easier migration. The call-up time has been improved and integration work has been completed to allow APC Web Viewer to run within Experion Station under Safeview for Process Controller, Inferentials and Lab Update.

Lab Update – code has been rewritten, which from a user perspective means the only change is in SPC based lab update. SPC mode can now be set to OFF (and Advisory in R510) or ON (Auto in R510). The SPC calculations are carried out in OFF mode and also the delta bias based on SPC mode is shown to the operator along with the delta bias based on direct calculation.

USD Socket – a new version has been written (also exists along with previous version) and can be added to an URT platform using the path ProfitSuite Block/Profit Toolkit/UniSim Design Socket. It has been vectorized to handle multiple cases in one UniSim socket activating on Single UniSimDesign.exe. I/O is now handled as arrays instead of URT structures.

Python Infrastructure – has been improved with an offline Anaconda installer with Python IDE and a new version of the Python socket is written that supports nested structures in URT and is currently deployed in Smart APC Supervisor.

R511 Functional Release Specifics –

Honeywell Forge APC R511 has been released and is available for download on the Honeywell Process Solutions Support Website (http://www.honeywellprocess.com). R511 consists of three files:

Honeywell Forge APC R511.1.exe – this is the main patch for the Server and Client sides and should be installed wherever APC Suite R510.1 has been installed. All nodes where R510.1 was installed should have this R511 patch installed.

Honeywell Forge APC R511.1 DMZ.exe – Used for L4 access. This patch is installed on a clean Windows Server node located in DMZ when there is no trust relationship between L4 and DMZ network. This node should have R510.1 Honeywell Forge APC DMZ.msi installed prior to installing this patch.

Honeywell Forge APC Documentation R511.1.exe – the R511 documentation patch, which should be installed on nodes where Profit Suite R510.1 has been installed.

In addition, there is a Honeywell Forge APC R511.1 Software Change Notice.pdf. Please note this SCN is under Latest Documentation and the three-part Patch under Latest Downloads accessible by just searching on Honeywell Forge APC R511.

APC Knowledge Article Quarter: Summary of Articles – 3Q21

Please refer to the August 2018 BG Newsletter for all the details regarding this APC Knowledge Article Quarter series and this quarter we publish the Summary of Articles up to end of 3Q21 (since the last BG Newsletter) on the portal below:

APC	501	584	Error in URT when Auto-start property is being changed in Profit Suite
CPA	110	585	Best Practices for Anti-Virus software usage with Control Performance Analytics
APC	510	586	APC/Profit Web Viewer Server hard disk is full
APC	510	587	APC/PSOS Operator Station in Safeview does not load the data
APC	510	588	USD Socket: An error occurred while attempting to initialize the model. For case Case 0
APC	510	589	Honeywell Forge APC R510, Reset Embedded PHD Database Recommended Procedure
APC	510	590	Honeywell Forge APC URT Application Stops Unexpectedly
APC	510	591	USD Socket not getting data in desired units
APC	502	592	PSES view is distorted - can't see task pane, project explorer etc
CPA	110	593	CPA R110.2 configuration page is not opening with "Unauthorized access" error
APC	510	594	APC/Profit Suite Runtime Studio given Error while creating PEx/PWO application, it hangs, Platform not created
APC	510	595	What are the scenarios where URT parameter values changes through external targets are recorded in Process/Profit Controller APC/PSOS process change log
APC	510	596	How to disable GetMessageByHandle method did not find match for message with Handle: BAD_SHOT message appearing in event log in APC R510
APC	510	597	A simple Python toolkit to work with APC R510
APC	510	599	KSM2021-APC0599 - Honeywell Forge APC (Profit Suite) - Knowledge Article Quarters: 1H21
APC	510	600	APC/Profit Web Viewer: HTTP Error 500.19 - Internal Server Error
CPA	111	601	KSM2021-APC0601 - Control Performance Analytics (CPA) R111.1 On-premise version now released
APC	502	602	*KSM2021-APC0602 - Profit Suite PS R502.1 Patch001 is now available for download*
APC	510	603	APC/Profit Web Viewer: HTTP Error 503
APC	510	604	Honeywell Forge APC Considerations for URT Connections to Data Items with an Input Buffer
APC	500	605	While opening PSRS and PSES, Profit Suite server side installation setup getting triggered in the background.
APC	510	606	Experiments with Ports used by Profit Suite / APC OPC Server
APC	510	607	To configure correct localization for URT Runtime Account for running Lab Update properly
APC	510	608	"Server certificate validation failed due to expired certificate or improper certificate chain" error in APC/Profit Web Viewer L4
APC	510	609	Cannot perform Profit Suite web scope configuration as the hierarchy is not appearing
APC	511	611	KSM2021-APC0611 - Honeywell Forge APC R511 is now available for download
APC	510	612	For a URT item which has PHD tag updated once, the suggested tagname is not working subsequently from URT
APC	510	613	CL Server goes in Warning and then Failed when needed by RC_Proxy.exe for Process/Profit Controller
APC	510	614	URT not connecting to OPC Server
APC	411	615	DLL file was not getting registered for custom function block in APC server
APC	510	616	How to change the Intuition Service user in APC/Profit Web Viewer
APC	510	617	Profit Suite / Honeywell Forge APC installation stuck
APC	510	618	What is Dr and Dc in the Scaling window that pops-up during Controller Build in APC/PDS and APC/PSES
CPA	110	619	Control Performance Analytics (CPA): View Details Page of Equipment Limit Protection is not showing
APC	510	620	Using Operator Account with No Password in PSOS or APCOS
APC	510	621	How to re-attach and configure a fresh PHD R400 database in Honeywell Forge APC R510
APC	502	622	Profit Suite R502 APC Controller MVs mode changing automatically from OPER to RMPC
CPA	110	623	Relative Shift Performance KPI is not visible in CPA dashboard
APC	510	625	For some of the APC controllers and inferentials, history collection is not working - RDI status inactive
APC	510	626	APC URT platform gives "The platform X could not register with the service" error
CPA	110	627	CPA - Intermittent analysis failure during playback
APC	510	629	KSM2021-APC0629 - Honeywell Forge APC (Profit Suite) - Knowledge Article Quarters: 3Q21
APC	510	630	APC Inferentials/PSP: Bias and inferred value coming as very high and low numbers
CPA	110	631	CPA is not executing for current date, in URT errors node shows success for older date
APC	510	632	APC installation error - Runtime user being member of Administrators group
APC	510	633	Back-building of SensorPro/APC Inferentials files with XMLs to obtain the response curve of IVs vs TVs
APC	510	634	Honeywell Forge APC/Profit Suite SQL Express 2012 SP2 Error Code -2053898239
APC	510	635	L4 APC Web Viewer not able to connect to L3 APC Web Viewer
APC	510	636	"Value does not fall within expected range" for Inferentials/Sensor Pro URT building in APCRS
APC	430	637	Profit Controller cannot turn ON as MV Interface point not clearing INIT

Final note on KAs is the above table shows only the public published articles, however on rare occasions there is a need to share internal/confidential KAs within Honeywell and these are not published publicly, although they also have Article ID numbers, which might account for gaps and apparent missing article numbers.

HPS Technical Support Contact Information:

apc.apptech@honeywell.com for North and South America regions.

apc.support.emea@honeywell.com for Europe, Middle East, Africa, and Asia Pacific regions.

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Control Performance Monitor (CPM)

CPM R603.2 Patch is now available for download

CPM™ R603.2 patch builds on R603.1 functionality delivering incremental improvements specifically in Custom MPC support, Common Web Server (CWS) enhancements, TaiJi R320.2 integration (see article below), Microsoft Edge Browser support and various other improvements. Finally, R603.2 has a maintenance release flavour with 60 Product Anomaly Reports (PARs) fixed. A summary of the new features in R603.2 over and above the functionality provided in R603.1 release is provided below.

Finally, R603.2 can ONLY be installed over the top of R603.1, so older releases need to be brought up to this minimum R603.1 level before applying this patch and please don't forget to implement the post install steps detailed in the SCN.

Summary of the New Features in R603.2 (since R603.1)

Custom MPC Improvements – both Custom MPC Templates and Custom MPC KPIs can be created in a similar way to standard PID templates/KPIs using the new CPM Custom Template Utility.

Common Web Server (CWS) Improvements – cross domain support is now provided allowing CWS to interact with CPM application servers from different domains. The User can define a Business Unit (BU), which is a logical grouping of multiple sites, so from an enterprise level similar sites can be grouped and compared within the BU. Also, at the enterprise level the top 25 worst performing assets per CPM application server can be viewed.

TaiJi PID R320.2 Integration – introduced with R603.2 is the ability for both product versions to co-exist on the same machine. However, the procedure to do this must be careful followed, so if co-existence is planned from the outset then please refer to the **CPM R603.2 Post Installation Mandatory Steps to follow ONLY if CPM and TaiJiPID R320 are on the same machine** by searching on R603.2 in the Knowledge Article search on the www.honeywellprocess.com support portal, see below
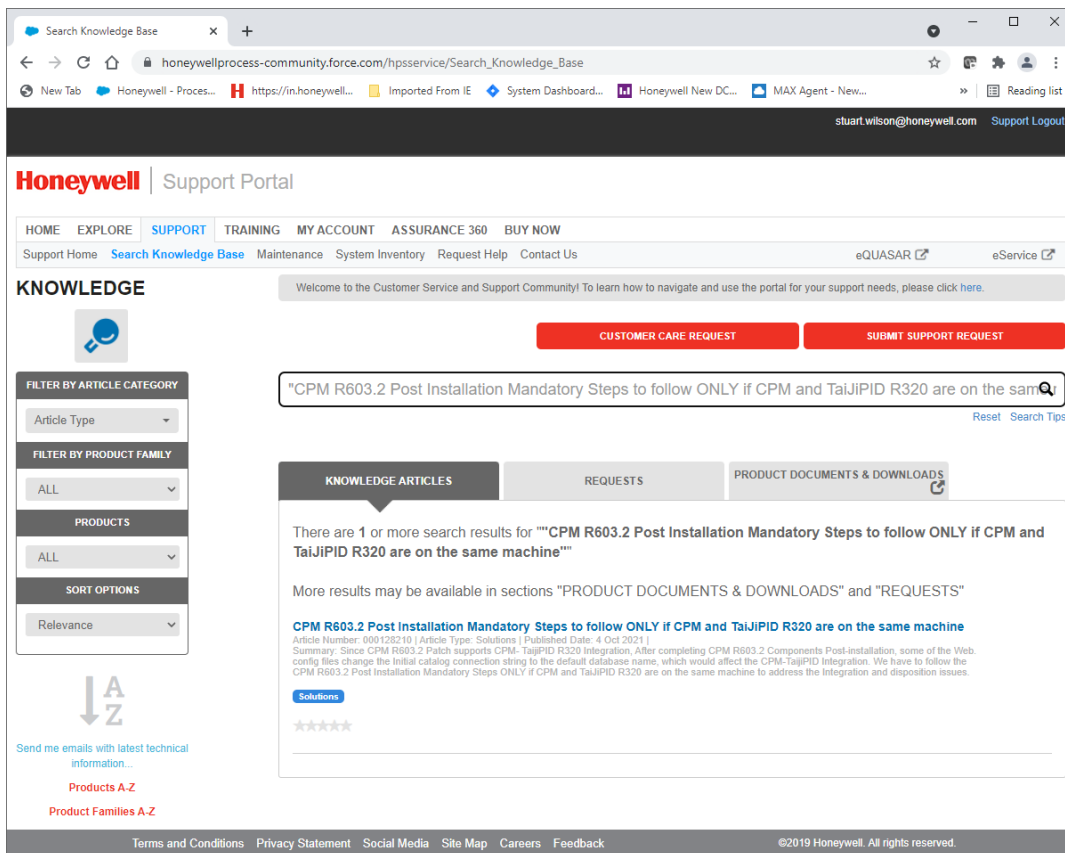
Please Note, as the above article explains, **CPM_R603.2_Component's** software download contains the mandatory Intuition Components upgrade required for same machine co-existence, which is also available on www.honeywellprocess.com

Microsoft Edge Browser – CPM Web Reports can now be accessed through Microsoft Edge browser.

Miscellaneous other improvements – CPM can now be connected via an Intuition Data Access Service (DAS) Plug-in allowing PHD data to be viewed and used in CPM Web Report page. The standard MPC Templates now have Required Flag support to determine if the analysis is required for the MPC controller, in which the CV/MV/DV tag descriptions can be configured.

R603.2 & Documentation – the R603.2 Software Change Notice, as well as the CPM Compatibility Matrix and R603.2 itself, are available for download from the Honeywell Process Solutions Support Website (http://www.honeywellprocess.com)

CPM R603.2 Hot Fix 1 is now available for download (install after R603.2 patch)- the following issues have been fixed:

RCPM JIRA Defect Number	JIRA Defect Description
RCPM-12224	When we move from dashboard to treemap view show all button doesn't load
RCPM-12226	Add filter option is not working.
RCPM-12227	Views not working once you create them. Error in saving view also.
RCPM-12228	Summary View report, export in excel is not working
RCPM-12366	Low confidence data is not displayed in PV/SP/OP Detail report graph

In order to simplify installation this hot fix, comprising only of ten files, is installed via Copy-CPM-HF.ps1 powershell script, which will take an automatic backup of the files being replaced, which ensures no manual copying.

TaiJi PID R320.2 Patch is now available for download

TaiJi R320.2 patch allows for full integration of TaiJi Thin and Thick client with CPM™ R603.2 allowing assets to be tuned in CPM Web Reports and view the results of tuning in both TaiJi Thin Client and CPM Web Reports. If full co-existence is required on the same machine, then please refer to **CPM R603.2 Post Installation Mandatory Steps to follow ONLY if CPM and TaiJiPID R320 are on the same machine** article, as explained above. For more details on TaiJi PID R320, then please refer to the Honeywell-Benefit-Guardian-Newsletter-Q1-2021.pdf

Control Performance Monitor (CPM) Knowledge Article Quarter: Summary of Articles – 3Q21

Please refer to the September 2018 BG Newsletter for all the details regarding this CPM Knowledge Article Quarter series and this quarter we publish the Summary of Articles up to end of 3Q21 (since the last BG Newsletter) on the portal below:

Product	Release	Article	Title (Search for full title on www.honeywellprocess.com)
TAIJI	320	32	KSM2021-TAIJI0032 - TaiJi PID R320.2 is now available for download
CPM	603	347	"Internal Algorithm Failure" message while running CPM Analysis in CPM R603.1
CPM	603	351	How to configure Estimator (Profit Sensor Pro) in CPM?
CPM	603	352	'ShowAllAssets' cache file is not getting generated in CPM
CPM	603	353	The newly added Required Flag Tag not appearing in the Input.txt file in CPM R603.1
CPM	603	354	Getting an error "The analysis could not be loaded. The analysis contained one or more unrecognized elements" message while opening Analysis Designer in CPM R603.1
TAIJI	320	33	TaiJiPID thick client Post-install step fails while installing TaiJiPID R320
CPM	603	355	How to create a view for Summary report in Control Performance Monitor (CPM)?
CPM	603	356	How to Configure Custom Economic Benefit In CPM Web Report
CPM	603	357	What's the use of 'Required flag' option for PID loops in CPM?
CPM	603	360	KSM2021-CPM0360 - CPM - Knowledge Article Quarters: 1H21
TAIJI	320	34	TaiJi PID R320.1 Hot Fix for Unexpected Model ID Termination during Step-Testing
CPM	603	362	How to Upgrade SQL Server 2014 to SQL Server 2016 in CPM R603.1 Server
CPM	603	363	CPM analyses are generating results but not able to write to PHD
CPM	603	364	production unit' asset element in CPM hierarchy is not getting created
CPM	603	365	CPM Failure message 'object reference not set to an instance of an object' after importing a generic APC Template .csv file that has no comments
CPM	603	366	CPM MPC KPI results are not getting written to Embedded PHD for the MPC controllers in CPM R603.1
TAIJI	310	35	"No loops are configured in TaiJi" error is appearing when click Tune Button in CPM
CPM	603	367	What KPIs are available for DMC controllers in CPM, and how do they differ from those available for RMPCT controllers?
CPM	603	368	How to increase log level for CPM Disposition Report in CPM R603.1
CPM	603	370	KSM2021-CPM0370 - CPM - Knowledge Article Quarters: 3Q21
CPM	603	372	While attempting to install CPM R603.1, It keeps on asking to restart the machine several times
CPM	570	373	TreeMap views are not loading in CPM R570 after the Java Update
CPM	603	374	CPM Configurator Tool not able to save loops. Getting 'Connection failed: SQL State '280000' SQL Server Error:18452 [Microsoft] [ODBC SQL Server Driver]' error while saving loops in CPM R603.1
CPM	603	375	KSM2021-CPM0375 - Control Performance Monitor (CPM) R603.2 is now available for download
CPM	603	376	CPM R603.2 Post Installation Mandatory Steps to follow ONLY if CPM and TaiJiPID R320 are on the same machine
TAIJI	320	36	CPM R603.2 Post Installation Mandatory Steps to follow ONLY if CPM and TaiJiPID R320 are on the same machine

For more information on CPM™ or to place a software order, please contact your Honeywell account manager or email:

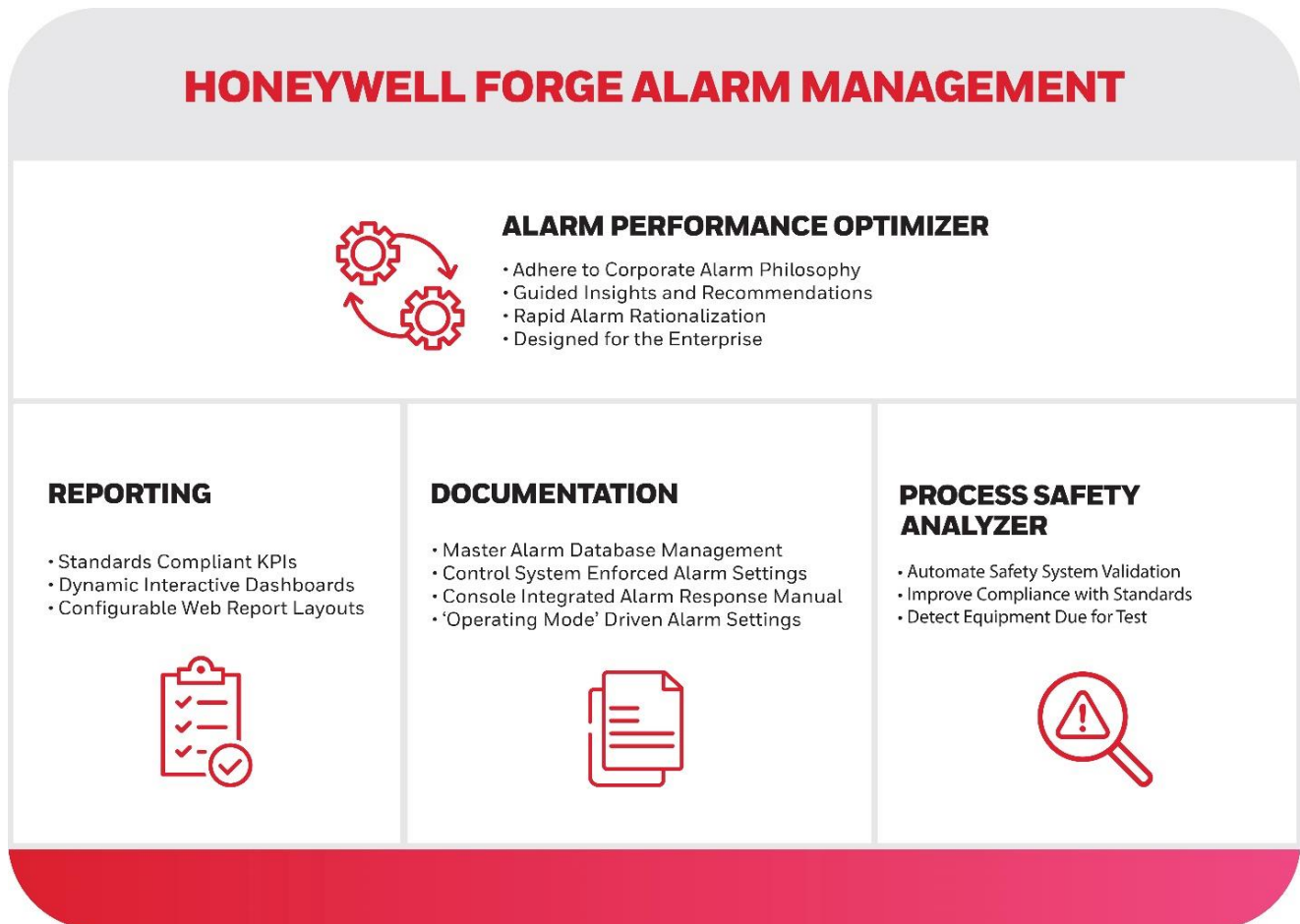**HPS Technical Support Contact Information:** cpm.support.emea@honeywell.com for all global queries.

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Honeywell Forge Alarm Management

New Product Release: Alarm Performance Optimizer

We are excited to announce that the Honeywell Forge Alarm Management portfolio's brand-new offering – Alarm Performance Optimizer – is now available! For a full overview of this exciting new offering, please register for our upcoming product launch webinar.

The Honeywell Forge Alarm Management portfolio (previously DynAMo Alarm Suite) consists of best-in-class, integrated offerings that address specific aspects of the alarm and safety system management lifecycle. Check out this video for a brief overview of the portfolio

HONEYWELL FORGE ALARM MANAGEMENT

ALARM PERFORMANCE OPTIMIZER
- Adhere to Corporate Alarm Philosophy
- Guided Insights and Recommendations
- Rapid Alarm Rationalization
- Designed for the Enterprise

REPORTING
- Standards Compliant KPIs
- Dynamic Interactive Dashboards
- Configurable Web Report Layouts

DOCUMENTATION
- Master Alarm Database Management
- Control System Enforced Alarm Settings
- Console Integrated Alarm Response Manual
- 'Operating Mode' Driven Alarm Settings

PROCESS SAFETY ANALYZER
- Automate Safety System Validation
- Improve Compliance with Standards
- Detect Equipment Due for Test

THE CHALLENGE WITH CHANGING ALARM MANAGEMENT PRACTICES

Without adequate maintenance, alarm system performance will degrade over time, resulting in higher alarm rates, out-of-date alarm response documentation and an increased risk of incidents. More organizations are centralizing the alarm management process, and global alarm champions tasked with driving adherence to corporate alarm philosophies are presented with the challenge of how to effectively maintain tens of thousands of alarms across multiple sites.

INTRODUCING ALARM PERFORMANCE OPTIMIZER

Alarm Performance Optimizer allows alarm champions to centrally assess the health of each site's alarm system against the corporate alarm philosophy, identify areas of underperformance, follow guided recommendations to ensure operation with consistent alarm settings, and streamline alarm rationalization activities. Check out the recent review of our new product from ARC Advisory Group, along with the Product Information Note.

BENEFITS:

Alarm Performance Optimizer provides alarm champions with the means to identify and resolve alarm system health issues across their entire enterprise with increased efficiency, resulting in reduced cycle times to perform alarm rationalizations, further reductions in operator alarm loads and improved operator response time.

UP TO **25%**
REDUCTION[1]
in Alarm Rationalization
Cycle Times

UP TO **15%**
IMPROVEMENT[2]
in Operator Response
Times

UP TO **10%**
REDUCTION[2]
in Console
Alarm Loads

*Average redults projected based on internal testing
* Estimated benefits from 2020 workshops with internal review and customer engagement:
(1) efficiencies gained compared to using traditional alarm rationalization practices and tools
(2) improvements compared with systems that don't meet ISA 18.2 recommendations for alarm documentation and priority distribution

We look forward to introducing this product to you at our upcoming webinar.

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DynAMo Documentation & Enforcement (ACM R321.12.5) Release

ACM R321.12.5 will be released with APO R1.0.0. The media zip package will be published to **HoneywellProcess.com ⬚ Downloads**.

The update includes the following enhancements:
- Support for HFAM|APO R1.0.0
- Support Experion R520

The following PARs are resolved with this update:

PAR#	Issue Description
1-CKY8EDF	Avoid errors getting logged while adding BMA Tags
1-DJA869L	D&E TagSync will not add new tags by using colon. For example, ServerName:TagName
1-D6ZGGKP	After HF3, Variable Entity Notes and Exceedance Notes fields are not editable for non-Boundary Tags.
1-DDQN4GL	Unable to change Display name of Point Type in the DCS Personality Configuration Tool.
1-DGWA6OZ	ACM is missing seed data for DeltaV, so all the priorities were loaded empty.
1-DKDD60V	In the ACM, turn off validation rules for HIHI and LOLO alarms for DeltaV SCADA points. To skip this validation, create String Value registry entry ValidateDVLimits with the value No under the registry key HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Honeywell\ACM\ControlSystems\<Control System Name>\ in the Enforcer Server machine.
1-CQ61JD9	Unable to add new tags for Yokogawa control system manually. It is observed that at some site that clients are failing to read Unit opc parameter though it is available. To enable tag existence check without Unit read, create String Value registry entry SkipEngUnitReadForYEW with the value True under the registry key HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\Honeywell\ACM.
1-DDQN4I1	Variable Entity report pdf truncates the Alarm Help documentation data.
1-CJ8B1ZZ	ACM Database Connection Utility (DBConfigWeb.exe) on the ACM web server is not able to save the password.
1-AXAFYB8	Enhanced error message that indicates all custom settings (Registry) will be lost in case of an enforcer server name is changed.
RDYNAMO-5628	Unable to add BMA tags (Tank Value, Pump, etc.) in the ACM.

Note: This update requires ACM R321.12 with or without hotfix 4.

This is a cumulative update that includes ACM R321.12 Hotfix 1, 2, 3 and 4.

Honeywell Forge Process Safety Analyzer (PSA) R201.3 Release

PSA R201.3 has been released. The Software Change Notice (SCN), with links to download the media zip package, has been published to **HoneywellProcess.com ⬚ Documents**.

The update includes the following enhancements:

Featrure	Description
Re-Analysis Feature	During the day-to-day plant maintenance scenarios like, adding new assets for safety element analysis, adding new shutdown groups, modification of cause and effect matrix associated with shutdown groups, modifications carried out to asset attributes configuration or adding a new site/area for the running PSA configuration etc., It becomes necessary to reprocess the events collected and carry out re-analysis of the process safety operations. This release provides PSA Event Reprocessor, that enables you to perform re-analysis from user interface by selecting the required shutdown(s), asset(s) or site from the selected date time. Refer PSA User Guide for more details
Display of Voted Tags Information in Shutdown Analysis Online view	If the cause equipment or initiator of shutdown groups are configured with N out of M (NooM) voting logic along with multiple sensors/inputs. Whenever shutdown request comes from the combination of these sensors/inputs, on the shutdown analysis view, it becomes necessary to show the information related these voted tags. In PSA R201.3, the display of voted tags information on shutdown analysis view is a new feature. Refer PSA User Guide and Configuration Guide for more details.
Scheduled Reports with email on demands and other reports.	The schedule report generation feature of SQL Server Reporting Services (SSRS) will enable PSA system to automatically generate the required history reports at the scheduled intervals (like daily, weekly, monthly) as well as email the report to a set of configured list of recipients, in one of the configured rendering formats (like PDF, HTML, Excel, Word). PSA R201.3 Configuration Guide provides procedure for configuring the schedule reports with PSA.
Automatic configuration of *SO Equipment* sheet in PSA bulk load file from PSW Export file for bypass analysis.	In this release, from the PSW Export file PSA will process the required information and automatically configure the required tags for bypass analysis. Refer PSA Configuration guide about the details on automatically configuring the SO Equipment sheet using the PSA Export file.

The following PARs are resolved with this update:

PAR#	Issue Description
1-DFNSFWP	"Number of Warnings" column missing in the Final Element Verification Summary Report.
1-DHCMHA5	Red Error box should not be displayed when there is no error on SES online view.
1-DH951NW	SES online view performance is poor with safety element filter.
1-DJLSZHN	In Event Browser, filter is not working for event source selection. Also, the performance of the event browser is slow with Event Source selection.
1-DH951OF	• Published files table within SDA Datawarehouse is filing up because there are no maintenance scripts (disk fills up with Facility.xml files).

	• Publish facility only if there are any changes in asset and attributes. • Test Interval report showing wrong data during facility publish.
1-DJLSZI1	• Not seeing any data on Final Element Verification report • "Area" filter still using old area filtering on some reports. RDLs need to be updated. • Reports affected: SES Valve OK Operation, SES Trend Travel Time, SIL Demand History, SIL Test Interval and SIL Final Element Verification. • In Not Operated Valves report, "Group" filter do not list all the final element group names. • Stroke length(s) column is missing in SIL Valve Stroke Test Historical Report for individual tests.
1-DJTJ21X	Seeing a large number of "No cause found" shutdowns which should not be there for cause based analysis.
1-DJLSZIK	The SIL Demand view and SES online view in PSA will indicate time in AM / PM format though 24 hours' time format was configured.
1-DJLSZIT	Shutdown's analysis mechanism extremely slow for the shutdown groups having more than 500 causes and effects.
1-DJNJ89Z	If there were any duplicate events gets reported from event source, PSA still collects and analyses them as different events. This results in duplicate analysis in SES and SDA online view.
RPSA-799	For SES Online view, the "Actual Travel Time" should show the decimal values. In the history reports also the travel time with decimal values to be handled.
1-DHMG5WV	Demand Overview report is not sorted in descending order based on the "Process Demand Rate".
RPSA-841	Sorting of the shutdowns in online view (SR#01449683).
RPSA-854	Test Interval Report (F&G Demand Name was missing in the column).
RPSA-882	Missing Evaluation ID in Cause, Effect, C&E sheets in PSA configuration file during download.
RPSA-883	• In SES Writeback, Response Missing value of SES operation is always Historized • SES Writeback with Historized with local time rather than UTC
RPSA-865 1-DMB5U6C	• There are certain Initiators/Final Elements which have never been tested. These should also be displayed in Test Interval Report.
RPSA-855	• Final Element Verification report used to have a sum at the bottom, now this is not there anymore.
1-DN502W0 1-DN502WJ 1-DN502W9	• Test Interval Report: Sorting on column header and report filtering issues.
1-DN502XE	Sorting by time in the grid (when clicking on timestamp column) does not work for any of the online views (SDA/SES/SIL/Event Browser). Seems to be initially sorted OK during initial opening of screen, but does not work when clicking on timestamp grid.

RPSA-909	SIL Final Element verification sub-report Trend Travel time is only working for some of the tags.
1-DNGWOB7	SIL online view is not working properly. SIL online view doesn't load demand history if the start date is selected before 23rd Jan 2016. Also, manual override does not sync properly to the report.
1-DJ93W5E	SES online view not showing any data due to missing attributes in configuration
RPSA-700 1-DHT2GQX	Email subject line restriction (length and special character)
1-DH951NN	XMLs are all being sent to the Error folder because the R115 system is not dealing with the number.
1-DGTZCI3 HDS-373	Missing Cause or Cause Not Found is not considered in the Count of Issues of shutdown.
RPSA-797	Special Character Handling in PSW Export File.
1-DMQH4O5	PSA pages loading performance is too slow
1-DGZQCCH	Creating non-default website for 3 server installation - R201.1 INS Modification
1-DO53DCV	SDA reports - the "Shutdown" dropdown no longer works now we have the area filter being use
RPSA-1027 1-DJ8ZM81	Formatting of exported PDF report not OK
1-DKVIXRT	DAS did not install properly after applying the 201.2, document should have details how to install DAS
1-DKSP965	The PSA service account is not provided access to ProgramData/Honeywell/SDA location by default on
1-DKSP95V	Installation of R201.2 patch where the WEBAPI config Web.config is overwritten with the incorrect co
1-DO4ZUQJ	Timestamp format issues in SSRS Reports - Even / shown some places instead . Also need to update documentation
1-DJETWSV	SDA Hierarchy Report is not sorting correctly. It is sorted by ascending date/time, but should be sorted by descending date/time (show newest SD first, as we have in PSA R100, and also, Final Element Report is sorting by descending time).
RPSA-1038	DST not handled while time zone conversion of events.
RPSA-341 1-AC9ZZER	The SES Valve Summary SSRS Report is not correct
RPSA-335 1-BEZ7C07	Test Interval Report is displaying an ESD Close OK test even when there was no ESD close login event.

1-AYDIYOO	Decimal Point Handling for Travel Time - Online View and Reports, no decimals in travel time.
RPSA-1032 1-DMO4A6H	Error shown when displaying SIL Demand History Report
1-DN502X5	Test Interval Report: No option to sort on tag name and service description.
RPSA-1101	Valve Travel Report keeps clearing time zone.
1-DJUGIJ1	Not able to load SIL equipment for PSA Cloud 201.1 instance as SIL License is not working
1-DK5AO0J	Shutdown's analysis mechanism extremely slow
1-DM6UKKZ	The creation and publishing of shutdowns taking a very long time.
RPSA-662	An error message is displayed when user navigates to the Safety Element Scout online view for the first time.
HDS-373	Shutdown Analyzer, "Missing Cause" or "Cause Not Found" is not considered in the Count of Issues of shutdown.
RPSA-152	This release of PSA on cloud usage, focused performance tests of PSA mainly with the display callups. Slow display call up noticed, when first time PSA Home Page is called.
RPSA-857	Report headers will be missing when the generated report has multiple pages
1-DN2YUYF	SDA online view should show all of the shutdowns within the default time window when page is open.
RPSA-1142	Time filter does not work for SDA and SES online views
RPSA-871	Scope security issue with Intuition - "GetForUsersOrGroups" is not working for users added through local groups to Intuition Security
1-DLDF2FT	Area filter not visible for users unless user is explicitly added as system administrator
HDS-411	Filter data is displayed improperly when there is authentication delay in application.
RPSA-632	In the Configuration screen, the tab gets overlapped with each other or sometimes disappear when user zooms in
RPSA-1388	PSA bulk load should give correct error message when failing to load case #1975620
RPSA-1035 1-DNGWOB7	SIL Demand does not work as expected if 5 years data is filtered on.

RPSA-987	SES Online View: Sorting not working on Travel Time (Sec) and Max Travel Time (Sec) columns.
RPSA-988	SIL Demand View, the records are not sorted on time by default in UI. Also, the sorting indication is not displayed in column header.
RPSA-1011 1-DN502VR	Event browser: 29e*003* works, but 29*003* does not work.
RPSA-1029 1-DHR7BOH	PSA configuration loads when assets do not exist and fails at execution time.

The SCN can be downloaded from the link below which includes a link to download the zip package:

Honeywell Forge PSA R201.3 SCN

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Knowledge Article Quarter: Summary of Articles – 3Q21

Below is a list of knowledge articles published to HonewyellProcess.com/Support for the following supported products:

- DynAMo Metrics & Reporting R202.1
- DynAMo Metrics & Reporting R210.1
- DynAMo Documentation & Enforcement (ACM R321.12)
- Honeywell Forge Process Safety Analyzer R201.x

Article Number	Products	Title
000128036	Alarm Configuration Manager R321	How do I find what version of dot net is installed?
000128157	Alarm Configuration Manager R321	External workflow flag is not appearing in ACM Manager client after tag is moved to proposed state in MOC application
000127994	Alarm Configuration Manager R321	Offline tag cannot be edited or deleted
000127573	Alarm Configuration Manager R321	ACM Alarm Mode Implementation
000127569	Alarm Configuration Manager R321	How do I undelete Tag in ACM
000127718	Alarm Configuration Manager R321	Unable to move Foxboro RIN tag types to proposed state due to Engineering Unit was not reading in ACM manager client
000127611	Alarm Configuration Manager R321	D&E/ACM Web Page variable throws an error after updating variable name from ACM DB
000127161	Alarm Configuration Manager R321	Enforcer client installed on user machine does not connect to Enforcer sever
000127117	Alarm Configuration Manager R321	Error:Unable to connect to Manager Server, Alarm Manager client will now close
000127052	Alarm Configuration Manager R321	View->Site Statistics option is not working in the ACM web
000127004	Alarm Configuration Manager R321	How do I change the password for the SQL Server Agent Service?
000126944	Alarm Configuration Manager R321	Permission Denied in Remote Enforcer Client
000126915	Alarm Configuration Manager R321	ACM installation installs msvcr70.dll to the drive's root folder
000126859	Alarm Configuration Manager R321	How do I list out all the enforcement errors for last week's enforcements?
000128198	DynAMo Metrics & Reporting R202.1	Missing tag description in DynAMo M&R Sequence of Event (SOE) Reports
000128128	DynAMo Metrics & Reporting R202.1	M&R is not processing the events from the suppressed sync channel
000128125	DynAMo Metrics & Reporting R202.1	Some asset from DM console are not fully synced with M&R Web
000127192	DynAMo Metrics & Reporting R202.1	How can I reduce the tag count of an M&R system during TPS migration?
000127283	DynAMo Metrics & Reporting R202.1	D&E/ACM Alarm Properties information is not available for some of the tags while viewing it in MnR reports
000127063	DynAMo Metrics & Reporting R202.1	Real time alarms and event viewer report does not work for operator scope based security users
000126988	DynAMo Metrics & Reporting R202.1	Collector installed on Win10 Pro machine is collecting the events with special characters.
000128159	DynAMo Metrics & Reporting R210.1	MnR Proxy Landing Page error
000128123	DynAMo Metrics & Reporting R210.1	Real Time Viewer reports are not working
000128009	DynAMo Metrics & Reporting R210.1	DynAMo M&R Standing/Stale Alarm Report Inaccurate
000127812	DynAMo Metrics & Reporting R210.1	Not able to delete the tag group created in MnR Site configuration page.
000127666	DynAMo Metrics & Reporting R210.1	Unable to connect to OPC server via RDM prog ID for Dynamo Active Alarm Sync
000127160	DynAMo Metrics & Reporting R210.1	Dynamo aggregates tag description for 2 EPKS events having different description
000127144	DynAMo Metrics & Reporting R210.1	Unshelved Event Missing From Reports
000126778	DynAMo Metrics & Reporting R210.1	Standing & Stale report does not show data until tab is clicked
000126908	DynAMo Metrics & Reporting R210.1	For the system events the descriptions are parsed in message column rather in the description column.
000128100	DynAMo Metrics & Reporting R2XX.x	How do you transfer an M&R core server VM from one host Server to a new host Server?
000127652	DynAMo Metrics & Reporting R2XX.x	How to Apply Self Signed Certificates on DynAMo Core and Proxy Servers
000126956	UserAlert R321	How to configure UserAlert (DynAMo A&N) Email Notifications

Current Product Releases

Advanced Applications:

Honeywell Forge Alarm Management

- Alarm Performance Optimizer R1.0.0
- Metrics & Reporting R210.1
- Documentation & Enforcement (ACM R321.12)
- Alerts & Notifications (UA R321.2)
- Process Safety Analyzer R201.3

Honeywell Forge Operations Management R242.1

- Operations Management
- Operations Logbook
- Limit Repository

UniSim
- UniSim Design **R490**

Honeywell Forge Workforce Competency

- Honeywell Forge Workforce Competency **R520.1**

Honeywell Forge Blending and Movement (FBM) Suite

Forge Blending and Movement (PBM) **R520.1**

- 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)

Energy Dashboard R241

- Integrated suite to calculate and monitor actual and target energy use. May include Operations Monitoring, Profit Sensor Pro, UniSim Design, and Workcenter.

Workcenter

Web-Based Visualization Analysis Solutions

- Workcenter Release 242

Matrikon OPC

- Matrikon FLEX OPC UA SDK - R400.2
- Matrikon OPC UA Tunneller

Honeywell Forge APC (Profit Suite)

- Release **R511**

Uniformance

- Uniformance PHD **R410**
- Uniformance Process Studio **R323**
- Uniformance Asset Sentinel **R532**
- Uniformance Insight R220
- Uniformance Cloud Historian R100
- Uniformance Executive R310
- Uniformance KPI **R131**

Symphonite Supply Chain and Production Management

- Production Manager Release 9.0
- Production Accounting and Reconciliation **R211**
- OptiVision **R600**

Digital Suites for Oil and Gas

- DSOG R100 including Process Safety Suite, Production Surveillance Suite, Equipment Effectiveness Suite
- Production Surveillance Well Test R110

Control Performance Monitor

- CPM Standard **R603.2**
- TaiJi PID **R320.2**

Honeywell Pulse

- Release R110

Contact Information

Americas Support Centre Contact Information

Advanced Planning and Scheduling (APS)	support@honeywell.com	1-403-216-2870
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 Workforce Competency Support	hpscustomersupport@honeywell.com	1-800-822-7673

Asia Pacific (AP) Technical Assistance Centre (TAC) for Advanced Solutions contacts

Honeywell Forge APC (Profit Suite) Support	apc.support.emea@honeywell.com	
Manufacturing Execution Solutions (Includes APS, BMA, MES, OMPro and Uniformance PHD)	bflex.support.ap@honeywell.com	
OptiVision Help Desk	p3its_oncall@honeywell.com	+ 358 20752 2300
Forge Blending and Movement (FBM) Solutions Support	bma.support.ap@honeywell.com	
UniSim Support	unisim.support@honeywell.com	
Honeywell Workforce Competency Support	hpscustomersupport@honeywell.com	

Honeywell Asia Pacific regional GCCC hotlines:

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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 Advanced Solutions contacts

Control Performance Monitor (CPM)	CPM.support.emea@honeywell.com	All global queries
OptiVision Help Desk	p3its_oncall@honeywell.com	+ 358 17 57 89 300

EMEA Advanced Solutions Helpline		+32 (0)2 728 2200
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MES BusinessFlex	mes.support.emea@honeywell.com	
Production Control Centre	kunde@honeywell.com	+47 6676 2180
Forge Blending and Movement (FBM)	bma.support.emea@honeywell.com	
Honeywell Workforce Competency Support	hpscustomersupport@honeywell.com	
UniSim Support	unisim.support@honeywell.com	
Automation College	www.automationcollege.com	

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