

Version 15 Feature Pack 1 Updates



DeltaV™ Version 15 continues to set the pace in shaping the future of automation with Feature Pack 1 updates. When it comes to preparing operations with future-proof automation technologies that not only propel performance and production but help to accelerate digital transformation, DeltaV Version 15 Feature Pack 1 provides a collection of updates and new functionality that deliver:

PK Flex Controller

The DeltaV PK Flex Controller builds upon the groundbreaking innovation and technology of the PK Controller. It provides the same powerful functionality but with the added advantage of flexible capacity and a subscription-based license that will help reduce capital costs.

The DeltaV PK Flex Controller is configured like any other controller in a DeltaV system and can be installed as simplex or redundant node. It can be used for applications in a wide variety of sizes, from 50 to 1500 Flex DSTs, depending on which capacity customers subscribe to. For Ethernet-APL Device Control, the DeltaV PK Flex Controller can be used for a variety of Ethernet-APL Devices, supporting Modbus TCP client or EtherNet/IP interface in port P01 and PROFINET(PN1). P01 and PROFINET (PN1) can be enabled at the same time for greater functionality.

Additional benefits:

- **Easy Engineering with Software-Scalable Capacity:** No need for exact or time-intensive engineering and no need to determine the Device Signal Tags (DST) capacity at the beginning of the project; increase capacity by simply adding software subscription-based licenses. Start with as little as 50 DSTs up to 1500 DSTs per PK Flex Controller.
- **Simple Project Sizing with Flex DST:** No need to know the I/O type, but only the amount of I/O, which simplifies the engineering and planning of the capacity of a project.
- **Reduced Project Cost:** Businesses can significantly reduce project capital costs by transitioning to a subscription-based license, paying only for what they need when they need it and overtime, not upfront—shifting the cost to operational expenses and accelerating ROI.
- **Increased Affordability for Future Hardware Updates:** With subscription-based licensing, businesses can purchase the controller at a reduced price; now it's more affordable to change controllers more often to stay up to date with the latest CPU and memory, and keep the system evergreen, running new functionality with the confidence that newer controllers will support it.

- **Easy Redundancy:** Supports 1:1 redundancy for increased availability; simply install the controller onto the carrier next to the primary—no added cabinet space or configuration changes.
- **Flexibility in I/O, Integrated Safety, Easily Connect Third-Party Devices, Speed, Supports Advanced Software, and More.**



PK Controller: Now Supporting Native PROFINET

PROFINET is an open industrial Ethernet solution and is based on international standards. It is a communication protocol designed to exchange data between controllers and devices in an industrial automation network.

And now, both the innovative PK Controller and new PK Flex Controller support native PROFINET, helping customers enhance their performance and meet the requirements of most of their time-critical applications. You do not need special hardware or configuration to use PROFINET; the PK Flex Controller and PK Controller are equipped with PROFINET capability.

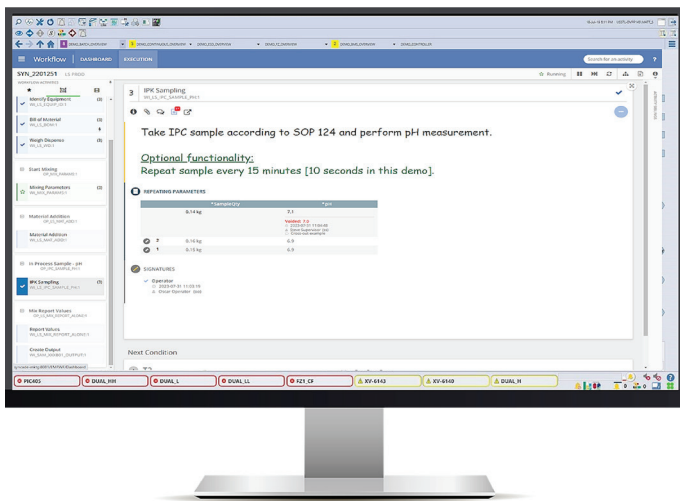
- PK Flex Controller is a PROFINET controller and will connect with up to 250 devices such as PLCs, Drives, Remote I/O, transmitters and valves.
- PROFINET in the PK Flex Controller is compliant with version 2.3 and CC-A functionality.



DeltaV Live: New Web Displays

DeltaV Live provides the flexibility to easily and securely integrate process information from many different sources into a single HMI environment, providing an intuitive and cohesive view into your operations. New Web Displays allow users to securely view web content as operator graphics, making it even easier to expand operator visibility and awareness within the DeltaV Live HMI.

Web Displays behave as any other dedicated operator graphic. They can be included in display sets, participate in hierarchical display navigation, and have a dedicated display frame in a layout. An intuitive toolbar is also included for easy navigation and zooming.



NAMUR Alarm Limit Update

The NAMUR NE 43 Recommendation was revised in 2021. To support these changes, we have updated the DeltaV DCS to help ensure users are able to customize alarm functionality and accommodate differences in the wide range of field devices users may have in operation:

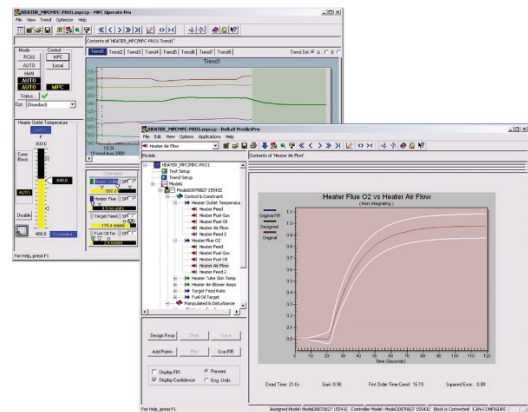
- Alarm limit thresholds have been updated and made configurable.
- The four-second requirement for the failure to be present before an alarm is activated has also been made configurable.

Alarm Help and Alarm Mosaic

DeltaV Alarm Help and Alarm Mosaic are now available via 1-, 3-, or 5-year subscription terms. These new subscription offerings allow flexible term lengths and reduce upfront software investment costs, empowering operations the ability to buy only what they need—when they need it.

DeltaV Neural, DeltaV Predict and DeltaV Predict Pro: Now Offered as a Subscription

DeltaV advanced control applications Neural, Predict, and Predict Pro are now available via 1-, 3-, or 5-year subscription terms. These new subscription offerings allow for a lower cost of entry (CAPEX savings) and a faster ROI.



To learn more about DeltaV Version 15 or Version 15 Feature Pack 1, please visit emerson.com/deltav15

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