Batch Historian

Solution Note

Honeywell Batch Historian can capture data with batch context directly from batch engines (including Experion® Batch, DeltaV® Batch, Simatic® Batch, and Rockwell's® Factory Talk® Batch) without complex rules configuration. Honeywell's batch reporting leverages simple drag-and-drop tile configuration, eliminating the need for advanced programming skillsets or detailed historian database knowledge to develop reports. Support your digitalization efforts while improving batch release, enhancing process efficiency, and enabling simplified troubleshooting.

Honeywell's modern Batch Historian can be used as an independent, standalone application, or integrated as a module of Honeywell's Manufacturing Excellence Platform (MXP), or used as a standard part of an Experion® Batch system. It can provide specialty chemical, life sciences, or food & beverage manufacturers with streamlined manufacturing data history for use in batch reporting and data analytics.

Industry Challenges

Manufacturers often encounter complications analyzing data when batch contextualization or visualization of process data is lacking. Many companies use manual processes for "batch sheets" and batch records. This makes it difficult to expand use of data to a larger user base or utilize it in some applications.

Honeywell's Batch Historian Solution

Manufacturers can achieve data history with batch context for:

- Batch reports to support the official batch record
- Process batch reporting
- Passing "upward" to higher level 3rd party data lakes and other applications
- Batch based data analytics
- Batch based KPI dashboards

Honeywell's Batch Historian provides opportunity for reduced CAPEX and ongoing OPEX, and eases the report design process due to no-code report configuration. Other solutions require complex configuration to calculate batch context using associative trigger points and time stamps.

Additional Features

Batch Historian can reside directly on an Experion® server, which precludes extra nodes and therefore provides reduced cost of ownership. Additionally, the Batch Historian can reside on the Level 3 Process Control Network or in the DMZ/L3.5, which allows reports to be accessed anywhere in the business...not just the system station.

FEATURES & BENEFITS

Batch Contextualization	Batch Visualization	No-Code Report Configuration	Digitalized Batch Records	Integrates with Experion Batch, Experion PKS, and Emerson/Siemens/Rockwell DCS

Supporting Offerings

Honeywell offers the following products to support your digitalization journey:

Experion® Batch delivers a traditional DCS solution for batch automation to reduce costs and increase throughput in batch plants of any size. Experion® Batch provides differentiated batch control and provides patented visualization technology that automatically constructs timeline views, insights to upcoming events or potential delays, inherently redundant controller-based batch execution of all 4 layers of the S88 model without a batch server.

Honeywell's **Manufacturing Excellence Platform** is a comprehensive, easy to validate, flexible, modular

platform that optimizes production efficiency, data integrity, quality, batch release, and compliance. MXP modules include Batch Historian, HMI/SCADA, Digital Procedures, Electronic Logbooks, EBR/MBR and Weigh & Dispense and integration capabilities for other ERP/IT/OT systems such as ERP, quality management systems (QMS), laboratory information Systems (LIMS), and DCS. It provides out-of-the-box integration with Honeywell TrackWise Digital Suite including QMS, DMS, and Training Management System (TMS).

Summary

Honeywell offers complete, integrated solutions and services to bring your company flexible deployment, easier compliance and validation, and faster batch release. Our solutions are designed to help you:

- Realize less training, easier upgrades, and faster deployment with a single integrated solution to maintain
- Manage all your production in one place
- Digitize reports, replacing paper
- Validate integration more easily
- Achieve high levels of data integrity & process security
- Avoid costly errors & incidents
- Monitor batch progress with production visualization
- Detect critical process parameters trending toward excursion earlier

Honeywell's complete ecosystem of global engineers and deployment partners, combined with our full suite of digital manufacturing technologies helps manufacturing companies to improve product quality, achieve regulatory compliance, and drive business outcomes.

Honeywell Expertise

Some of Honeywell's greatest innovations are the result of our commitment to helping customers continuously evolve while maintaining their current systems. We provide lifecycle investment protection by providing smooth migration paths to the latest control system technology when the time is right. Our solutions are supported with global training and engineering, and nearly 50 years of experience in control automation, with the largest installed base of integrated systems and the greatest longevity in the industry. Manufacturers rely on our experience and

For More Information

Learn more about how Honeywell's Batch Historian, visit hwll.co/LifeSciences or contact your Honeywell Account Manager, Distributor or System Integrator.

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