

Wireless Enabled Batch Free Your Batch Operators and Your Profitability



In times of cost containment, scarce resources and increasing pressure to be profitable, batch manufacturers are looking for ways to push the limits of current systems. Utilizing Honeywell's wireless enabled batch solution you can improve quality, increase yields and reduce project costs – to help you drive down manufacturing costs. This innovative offering provides all this while reducing your time to market. Find out how wireless enabled batch can help you find improved profitability today.

We call it wireless enabled batch, our customers call it phenomenal. One biopharmaceutical company, for example, was able to reduce validation compliance costs by as much as 30% by providing employees with wireless mobility tools. Automated batch procedures are now available at their fingertips and batch start-ups are performed per validated processes.

Batch manufacturing relies on frequent human interaction due to the nature of the process. With wireless enabled batch control, operators, maintenance, engineering and production staff have the control room, standard operating procedures, material safety data sheets, and other critical operational information at their fingertips. From anywhere in the plant the operator can ensure that a batch isn't held up while waiting for input, or that a periodic manual procedure is done correctly, or that data is captured accurately and sped into the batch in progress. Wireless enabled batch control also provides access to ALL relevant data in the context of the batch, including digital video of manual procedures. Real-time tank levels, remote environmental data, process gas quantities, temporary process or equipment measurements, etc can be accessed in operator instructions, transition conditions, start conditions, output commands, and more. This data is then encapsulated within the batch report providing broader context to understand the contributors to poor quality, losses and waste.

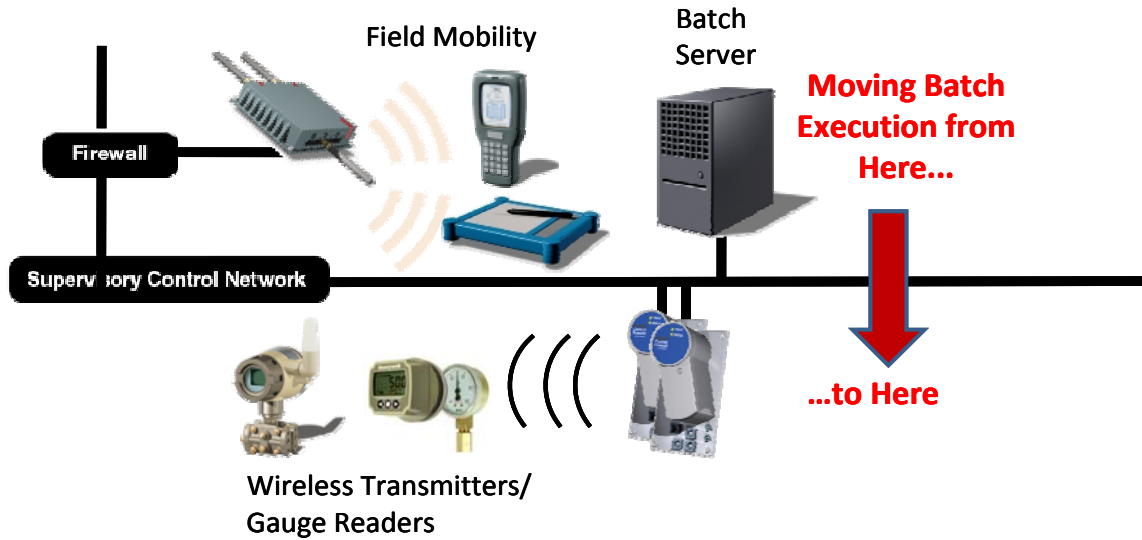
Wireless enabled batch control benefits batch manufacturers by:

- Reducing project and maintenance costs - savings up to 50% of wired costs can be achieved with wireless enabled batch solutions.
- Improving time to market – deliver products to market up to 5% faster just through manufacturing cycle time improvements.
- Increasing yields – benefits vary based on current yields and losses, but improvements can be achieved in the range of 10-20%.
- Improving quality – benefits vary based on current quality, but reductions in the cost of quality can be as much as 30 cents on each dollar of revenue.



Experion Batch Manager

Experion Batch Manager (EBM) is the only solution on the market that has built-in ability to execute batch sequences in the controller. EBM provides the ability to run the entire S88 model in an optionally redundant controller, thus increasing the availability of the platform on which the batch executes. Because there is no connection to a batch management server, communication delays and outages are removed resulting in



Unit procedures are executed directly in the controller to reduce complexity, improve availability and speed of execution.

Honeywell was the inventor of the first distributed control system (DCS) in 1974 and continues to be first at bringing new technologies to market to help customers improve their business performance. Wireless enabled batch is just another example that includes the world's first ISA 100-ready wireless network, OneWireless, and the world's first controller-based batch execution product, Experion Batch Manager.

Stay one step ahead of your competition by reducing your costs, getting to market faster, and increasing reliability with wireless enabled batch from Honeywell.

More Information

For more information on Honeywell's wireless enabled batch solutions, visit www.honeywell.com/ps/wireless or contact your Honeywell account manager.

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