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Brewing transparency you are looking for

SIMATIC IT Reporting Framework: Reporting solution for breweries

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Answers for industry.

What is SIMATIC IT Reporting Framework?

With brewing process expertise built into the Batch Reports of SIMATIC IT Reporting Framework, you can focus on crafting great-tasting beer instead of on the IT system that is analyzing your process.

In today's economic environment brewers are under constant pressure to optimize their batch performance and consequently to reduce operating costs. To accomplish this objective, many breweries have installed sophisticated Process Control Systems like Braumat, which have proven to streamline production processes.

As a result, every day these systems process a very large amount of data. But, typically, this data is difficult to interpret, and must be accessed and transformed thus becoming understandable and actionable to the brewers in a format they can use to optimize the brewing process.

SIMATIC IT Reporting Framework transforms plant floor data coming from Braumat into key performance indicators and metrics that brewers use to monitor and improve the manufacturing operations performance. In this way, Reporting Framework enables breweries to close the performance loop by gaining visibility across the production, inventory, assets and quality management aspects of the breweries' manufacturing operations.

SIMATIC IT Reporting Framework enables close-loop performance management by:

- Aggregating data gathered from Braumat
- Contextualizing the data through a data model that will help brewers find what they need
- Providing appropriate analytics that enable brewers to analyze data across production areas and maybe even across production sites
- Providing tools to create visual summaries of the data to alert decision makers and call attention to the most important information of the moment

The main benefits of the SIMATIC IT Reporting Framework are:

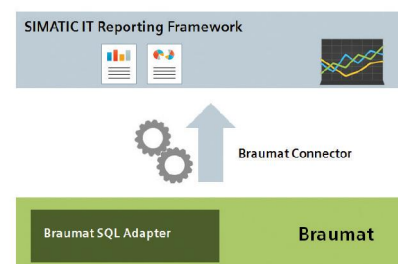
- **More Intelligence:** The Integration of all relevant data into one single Batch Report makes it possible to monitor batch data at a glance, compare different brews with each other and inform decision-makers in case of non-conformance
- **Less Variability:** Using Reporting Framework, brewers can better understand sources of variability in their brewing process and operate to improve process stability, plant capacity, and quality compliance
- **Fewer Costs:** Reducing variability in the brewing process enables the breweries to find levers to decrease operating costs

How does it work?

SIMATIC IT Reporting Framework works on top of the proven Braumat Process Control System. Through data extraction and transformation – all based on standard product features of Braumat and SIMATIC IT – this system turns data produced by Braumat during the execution of a brew into valueable information.

In turn, it allows this information to be visualized and analyzed through the use of special reports, which are tailored for the brewing industry.

Reporting Framework helps brewers in creating knowledge from a vast quantity of batch information coming from Braumat, getting the right data, and putting it in the hands of the right user at the right time with the aim to support the decision-making process.



Get more information:

www.usa.siemens.com/brewery or

www.siemens.com/simatic-it



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