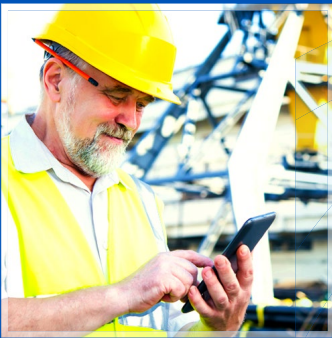


STAYING FORWARD FOCUSED



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USING BUSINESS INTELLIGENCE & ANALYSIS TO STAY FORWARD FOCUSED

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USING BUSINESS INTELLIGENCE & ANALYSIS TO STAY FORWARD FOCUSED.



Today's manufacturing industry relies on business intelligence systems to remain forward-focused on quality management initiatives. Without actionable insight into the root causes of critical points of failure, quality departments would fail to perform their essential function. In partnership with an integrated quality management system, business intelligence software serves as a means to provide value-added information before issues of quality arise. Business intelligence tools are quickly obsolescing traditional, paper-driven analytical methods, so manufacturers must develop long-term strategies to leverage the full potential of business intelligence systems.

BIG DATA, BIG CHALLENGES

Business intelligence tools can provide manufacturers with a wealth of data relating to quality management. In fact, the untapped potential of business intelligence systems exceeds the sphere of quality departments by allowing business decision-makers to access enterprise-wide analytics in near real-time. Business intelligence systems contain a variety of OLAP, reporting, data mining and dashboard modules that manufacturers can configure to suit the demands of a global supply chain.

From the perspective of quality management, business intelligence modules place a massive amount of data at the disposal of decision-makers at each level of corporate governance. In the age of Big Data, the question companies must answer is how to turn these large data sets into actionable insights. Integrated quality management systems could eventually lead to the problem of information overload as data sets grow beyond a company's means to analyze the data. Business intelligence modules give manufacturers an invaluable tool to mitigate the challenge of Big Data.

BUSINESS INTELLIGENCE AS A SOLUTION

Integrating business intelligence modules into quality management software modules is an ideal solution to the challenge of Big Data. Manufacturers around the world are gradually transitioning away from silos of applications and disparate layers of software and moving towards integrated solutions. As these IT architectures begin to integrate seamlessly, business intelligence tools will become a vital solution to managing quality from an enterprise-wide perspective.

Integrated quality management systems give business decision-makers unprecedented visibility over geo

graphically separated manufacturing sites. This real-time business context allows employees to analyze and execute quality management initiatives relatively quickly.

For instance, by deploying business intelligence tools that include mobile capabilities, companies can place valuable information directly in the hands of plant operators in near real-time. Similarly, plant operators can utilize such mobile capabilities to inform business decision-makers of nonconformances as soon as possible.

Today's business intelligence systems are far more intuitive than the first generations of software modules. Manufacturers now have the ability to configure dashboards and analytical tools to align with business processes. Understandably, usability remains a primary concern, but one of the biggest benefits of deploying business intelligence modules within an integrated quality management system is simplicity. Companies can tailor the quantity and quality of data available to various levels of users to optimize the efficiency of business intelligence modules.

Business intelligence software modules allow companies to remain proactive when executing quality management initiatives. Simply stated, the high cost of poor quality far exceeds the cost of deploying business intelligence systems. Furthermore, business intelligence systems allow companies to correct issues of quality before nonconforming products reach production.



“The greatest thing in this world is not so much where we stand as in what direction we are moving.”



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