



# Steel Manufacturing

Microsoft Office SharePoint Server 2007  
Abel Solutions  
Bamboo Alert Plus Web Part

With a production capacity that exceeds 26 million tons, Nucor is the largest producer of steel in the United States. Using scrap as their primary feedstock, Nucor has become the leading U.S. producer of structural steel, steel bars, steel reinforcing bars, steel joists and girders and steel decks. With headquarters in Charlotte, NC, Nucor consists of approximately 200 operating facilities, including their wholly owned subsidiaries of Harris Steel and The David J. Joseph Company, throughout North America.

[www.nucor.com](http://www.nucor.com)

## Quality Management System Implemented with SharePoint

When Nucor looked to improve its ISO 9001 document workflow and management, it turned to Abel Solutions. Reliably documenting its quality and safety procedures was mission critical for Nucor, and documentation had to be maintained in an easily accessible format. Furthermore, to ensure the repeatability and accountability inherent in maintaining ISO 9001 certification, procedural and process revisions had to be communicated and updated quickly.

Abel Solutions implemented a document repository and management system centered on MOSS. Using MOSS, a single, computerized document repository houses existing documents relating to ISO quality processes, including control documents and records, internal audits, training documents and corrective/preventative (CAR/PAR) action requests.

The solution also utilizes workflows to route and track new documents through authoring, modification, and approval before they are accepted into the quality document library. If existing documents require modification, workflows properly route and track them through approval as well.

As an adjunct of the workflow implementation,

Nucor selected the Bamboo Alert Plus Web Part. With it, Abel created a system to inform personnel charged with specific quality objectives whenever changes occurred. Prompt notification ensures that new procedures and processes are implemented quickly, positively impacting both quality and safety. The solution affords the customer the flexibility to move beyond generic SharePoint alerts and define specialized, query-based alerts without the need for custom workflow development.

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*"SharePoint is the foundational piece for quality management as a whole. Customers will now recognize that we're certified to international standards. This will be great for us."*

*- Jeannette Rudolph,  
Nucor Quality Management Representative*

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Alert Plus is also being used to measure and monitor progress within the Quality Management System. Specifically, when actions in the process are not performed within their required timeframes, alerts are triggered and sent to supervisors and Quality Management personnel about the issue so that action can be taken. Overall, the impact of the implementation for Nucor has been significant.

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