



Automating Enterprise-wide “Safety First” Initiatives

A key cost saving initiative for executives of discrete and process manufacturing companies as well as energy and utility firms is improvement of safety processes and performance. “Safety First” is a global benchmark and initiative that enhances competitive position by reducing direct and indirect costs while providing a safe, accident-free environment.

The US Occupational Safety and Health Administration (OSHA) asserts that companies implementing effective safety and health programs can reduce injury and illness rates by 20% or more, and generate a return of \$4 to \$6 for every \$1 invested.

BUSINESS CHALLENGE

New stringent regulatory requirements and proposed OSHA SAFETY AND HEALTH PROGRAM RULE: 29 CFR 1900.1 can increase the complexity and costs of maintaining an injury-free environment.

Mergers and acquisitions and plant closures create new needs. Workforce challenges add to the complexity of training and compliance requirements.

Additionally,

- Process-specific safety information is often fragmented among many systems, varying by departments, divisions, and plant location.
- Safety incident reporting and safety policy creation are often manual, paper-based processes with inconsistent processes and dissemination that prone to human error.

- Inability to see the big picture as well as drill-down and analyze results limits leveraging improvements to the entire organization.
- Locating current safety information is difficult, as is manual tracking of training completion and compliance reporting.
- Difficulty of proactively sharing knowledge and best practices across the organization to continuously improve safe job procedures.

SOLUTION

JSYMMETRIC's Workplace Safety Management solution is a single, organization-wide system that automates the creation and dissemination of safety procedures and policy, and incorporates compliance reporting and auditing.

Leveraging the IBM Enterprise Content Management (ECM) suite of products as well the optional IBM Cognos 8 BI performance management tools, JSYMMETRIC's Workplace Safety Management solution provides management a centralized, streamlined and comprehensive approach to “Safety First”. The solution is comprised of three integrated components: safety document management, training and skills management and safety process improvement analysis.

The safety document management component supports automated work processes, expedites deployment of new or revised SOP and safe job procedure (SJP) documentation and also eliminates the need for paper-based or manual systems. The solution manages the creation, review, approval, and distribution of documents whether an event-based safety flash or revision of an existing safe job procedure. Employees will always access the most current version because the solution provides document and process level rendition and version control. Of critical importance is the ability of the solution to secure access, automatically protect and apply

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retention periods to documents. The solution allows plant managers and other critical safety officers to effortlessly manage the creation, review and sign off processes for documents.

The solution enhances the retrieval of safety documents by using web-based delivery to plant monitors, kiosks or desktops. Coupling ease of access with personnel training/safety skills requirements ensures that the organization has a controlled and consistent training approach and that policies are effectively communicated throughout the organization. The training and skills management component can link to an enterprise wide matrix of training, skills and competencies. The solution integrates the notification of policy and process changes and provides auditing and tracking of training completion. Use of electronic signatures supports compliance auditing requirements.

The optional IBM Cognos 8 Business Intelligence module facilitates continuous safety process improvement by monitoring, analyzing and reporting on safety performance and connecting processes with metrics and key performance indicators (KPIs). Incorporating business intelligence capabilities provides management the ability to easily generate reports and visual dashboards to assist with analysis on the effectiveness of safety processes.

VALUE PROPOSITION

Safety-related accidents are an enormous liability for companies both from cost and reputation. According to a recent Chief Financial Officer Survey conducted by Liberty Mutual Insurance Company Research Institute for Safety, 40% of the executives who responded said that the indirect costs of accidents average three to five times direct costs. For example, if the direct cost of an accident is \$10,000 and indirect costs are five times direct cost (\$50,000), total cost of the accident is actually \$60,000.

Direct costs include:

- Medical expenses
- Workers' Compensation premiums

- OSHA fines
- Legal judgments

Indirect costs are:

- Lost production
- Lost productivity
- Hiring and training replacement workers
- Accident investigation costs
- Reduced employee morale and retention

The solution delivers immediate value by improving productivity, reducing costs of duplicate systems and storage and improving dissemination of critical safety information, thereby reducing potential costs associated safety-related accidents. "Safety First" becomes an integrated, essential element of standard operating procedures and processes.

JSYMMETRIC's Workplace Safety Management solution can be quickly deployed and provide a complete ROI in as little as 12-18 months.

COMPANY DESCRIPTION

JSYMMETRIC, Inc., an IBM Software ValueNet Business Partner, leverages years of implementation and integration experience delivering superior value to clients in the areas of content management, document management, data management, security and portal. We have deep technical expertise and an extensive record of successfully integrating IBM solutions with our clients' multi-vendor software portfolios. As an end-to-end solution provider, JSYMMETRIC is uniquely experienced to provide both Content Manager and FileNet solutions.

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