

# Ekho for Chemicals

The Performance Management Solution  
for the Chemicals Industries.

- ▷ Collects data from all assets and related systems Historian, SCADA, MES, LIMS, CMMS, ERP, Internet
- ▷ Provides software functionality to analyze all relevant data and generate operational intelligence for Performance Management initiatives.
- ▷ Provides user configurable displays, reports and queries to optimize production and maintenance activities, and drive ROI from operations.
  - Performance metrics
  - OEE, KPI's
  - Downtime, RCA
  - Alarms & Notifications
  - Comparative Analysis
  - Microsoft Centric
  - Web enabled



## About Ekhosoft

Ekhosoft is the leading provider of Performance Management Solutions for major enterprise customers across North America and Europe. The Ekhosoft solution is called Ekho, and has been successfully installed in a broad range of industries, including Pulp & Paper, Mining & Metals, Oil & Gas, Food & Beverage, Chemicals, Consumer Products and Renewable Energy (Wind, Solar, Hydro and Biofuels).

With over 200 man-years of industry experience working exclusively with Performance Management Solutions, and with offices in Canada, Europe and across the United States, Ekhosoft is uniquely positioned to service your needs.



## Chemical industries customers use **Ekho for Chemical** to address:

### **Product Batch Tracking**

- Transparent Integration into Process and Batch Historians
- Robust Genealogy Model
- Forward/Backward Traceability
- Interfaces into Existing Production, Quality and Scheduling Systems

### **Optimizing Asset Performance**

- Overall Equipment Effectiveness (OEE)
- KPI Management
- Performance Loss Event Detection
- Categorizes Performance Loss and Assigns Cause Codes
- Supporting 6 Sigma and Continuous Improvement Processes
- Root Cause Analysis
- Condition Monitoring and Procedural Notification

### **Specification Management**

- Product Specifications
- Recipe Specifications
- Performance Specifications

### **Environmental & Safety Reporting**

- Scheduled Regulatory Reporting
- Complete Audit Trail Support
- OSHA Compliant Accident & Injury Tracking and Reporting

### **Dynamic Reporting and Analysis**

- Web Based Queries and Displays
- Drill Down Capabilities
- Interactive Performance Dashboards
- Industry Standard Visualization Tools

## All Ekho Solutions Feature:

▷ Ekho is configurable out-of-the-box, and does not require any customization. Each customer can design and configure a specific solution for their needs.

▷ Ekho's scalability allows each customer to focus resources on current priorities, getting immediate returns, and then extending the solution across multiple assets and performance management targets. Ekho provides each customer with the optimum cost effective solution both now and into the future.

▷ All Ekho solution components are totally integrated. They provide a single solution that seamlessly ties together all your requirements from the control systems to your planning systems.

## Benefits to the Chemical User Include:

- Improved Asset Efficiencies
- Reduced Energy Costs
- Reduced Material Costs
- Increased Yields
- Improved and Consistent Product Qualities
- Users focused on Appropriate Indicators
- Highly Flexible and Configurable Software
- Improved Response to Regulatory Incidents
- Improving asset availability and performance
- Improving customer service levels
- Improving operational efficiency
- Prolonging the life of existing assets
- Monitoring raw material quality
- Lowering costs and improving profitability.
- Keeping Information Technology in Sync with the Improvement Processes

## Project Delivery Options

▷ Together with our partners, Ekhosoft is fully staffed to provide consulting and implementation services, including requirements analysis and confirmation, integration services (SCADA, HMI, Historian or Business Systems), software configuration, project management and implementation services.

▷ Ekhosoft will also work with you on a proof of concept basis (prior to full scale implementation), whereby we will install and configure Ekho to demonstrate how the software will meet your requirements and deliver business value.

## Technology

**The Ekhosoft solution for Performance Management is 100% Microsoft centric.**

### **Software**

- Microsoft Windows Server
- Microsoft SQL Server
- Internet Information Service (IIS)
- Internet Explorer (IE)

### **Hardware**

- Quad Core Processor
- 8 GB Ram
- 50 GB Disk (size depends on volume.)

### **Operating Environment**

Ekho will operate in standard virtual environments such as Microsoft or VMware.

### **Mobile**

Ekho is enabled for mobile use on Windows, Apple and Android devices.

