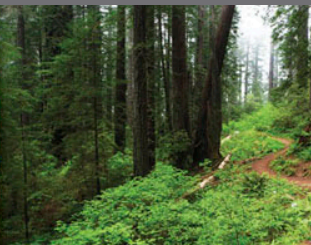
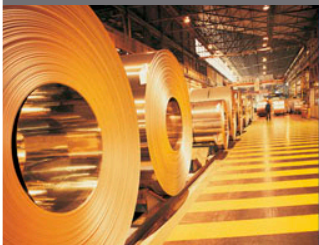


Ekho EMIS

Make improvements in energy efficiency, sustainability and ROI with Ekhosoft's new Energy Management Information System

- ▷ Automatically collect energy data from meters for both supply and demand.
- ▷ Monitor supply and demand for all energy sources in real time.
- ▷ Measure and analyse resource efficiency and track greenhouse gas emissions.
- ▷ Utilize energy pricing to optimize cost effectiveness of production processes.
- ▷ Monitor utility billing and eliminate manual data manipulation and comparison.
- ▷ Optimize energy use while minimizing environmental impacts.



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.



Customers use **Ekho EMIS** for performance improvement in the following areas:

Energy Use & Efficiency

- Track and analyze consumption and utilization in real time, for all energy sources at the asset level
- Develop models for energy use across different assets and production processes
- Normalize the data for different weather conditions

Cost Management

- Track and manage the cost of energy consumption at the individual asset levels

Performance Analysis

- Gain access to actionable information through configurable role-based dashboards.
- Track key performance indicators and time-based metrics for energy, cost and sustainability

Greenhouse Gas Emissions

- Monitor and manage carbon at the asset level, providing complete emissions across all assets
- Compare current carbon emissions against those forecasted at the individual asset level, facility, or enterprise level to gain operational insight

Portfolio Management

- Identify opportunities for performance optimization by benchmarking performance
- Generate energy improvement and carbon abatement curves to support project investment decisions

What-if Analysis

- Project energy consumption going forward, based on existing performance or incorporating estimated performance based on energy improvement projects
- Create what-if scenarios and compare possible changes in a facility, to analyze side by side performance of the actual and proposed scenarios

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 EMIS user include

- Centralize the visibility, management and control of energy
- Improved decision making around energy issues
- Reduced risk surrounding energy management decisions
- Gain actionable insights to reduce energy use and cost for each asset
- Take advantage of switching to cheaper energy sources
- Support management of change at any business or operational level
- Improve accuracy of utility billing and payments
- Provides effective and verifiable environmental reporting to respond
- Identify underperforming assets
- Eliminate unplanned peaks in energy consumption
- Lower energy use and lower costs

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.

