

Company Overview



Gallatin Steel is a joint venture between Arcelor Mittal and Gerdau Ameristeel and represents a new era in steel manufacturing. Gallatin Steel produces steel of the highest quality, while emphasizing employee safety and care for the environment.

Gallatin Steel and its employees are also concerned about the world around us. They interact carefully with our environment everyday, most notably as a major recycler of millions of tons of scrap metal each year. Gallatin removes 4,000 tons of scrap metal each day from our landscapes and junkyards producing over 1.2 million tons of hot rolled coils annually.

Quality is the third piece that makes the Gallatin Steel puzzle complete. Gallatin prides itself on providing customers with the finest steel available in the market today. They have achieved ISO/TS 16949 Certification – the highest international quality benchmark for manufacturers. This certification demonstrates Gallatin's commitment to supplying a quality product.

Selecting Canary Labs

Gallatin first implemented Canary Trending in 1997 in one area of the plant. Since this initial rollout, implemented in many areas, with extensive usage in the caster and the melt shop. Canary Trending is used by control room operators to monitor and control their processes, by the engineers for trouble shooting and improving production efficiencies and by the managers to see the big picture of operations.

System Configuration

The Gallatin facility uses a distributed approach to trending with each section of the plant having an independent Trend Historian. The data logging varies, with the Caster collecting the data via Wonderware's InTouch and from Siemen S5 and S7 PLC's. The Melt Shop real-time data is collected from Rockwell PLC's via the OPC server. The Trend Link client viewers can retrieve data from any of the Trend Historians in the plant via the network.

Historical data is logged from Caster, Melt Shop, Bag House and Pump House. The process data encompasses material usage, temperatures, flows, electrical usage, environmental, pumps, valves, equipment states and other parameters. The caster Trend Historian logs more than 900 tags at 1 second frequency.

"We can not believe the amount of historical data that we store on-line and then access, quickly and easily with the Trend Link viewer."



"Our fixed costs are \$20,000 per hour, Canary Trending easily saves us 50 hours per year with fast, accurate trouble shooting of problems."

Dan Pridemore, Electrical Engineer

Configuration Overview:

- 4 Installations of Trend Historian
- Trend Link
- Enterprise Solution
- 900 Tags per second per install

Canary Labs Integrated with:

- Wonderware InTouch
- Siemen S5 & S7 PLC's
- Rockwell PLC's

10,000 Implementations in over 24 Countries, and growing.

www.canarylabs.com

Sales 814.793.3770