



A Rockwell Automation Company

Temple-Inland Inc. Rome, GA - Sawmill Information System

The Client:

Temple-Inland Inc. is a Fortune 500, Texas-based holding company made up of four core operations – corrugated packaging, forest products, real estate and financial services. The Forest Products operation manufactures a diverse line of products for new home construction and for repair and remodeling markets. This group manages

the company's 2 million acres of forestland. Temple-Inland is the largest private landowner in Texas and the fifth largest corporate forestland owner in the southern United States.

The Requirement:

The client wanted an information system which would automatically collect data from all machine centers, and then provide multiple levels of reporting.

Temple Inland had a Technical Dashboard application which would take manual data and produce complex charts. These charts had to be part of the new information system.

As well, a dashboard had to be created, which would provide information unique to each user who logged in. Each user could select and save the layout of any data in

the system so that they would have quick access to the data that they desired.

The report levels which they require were to record the report info from the machine centers, replace the manual dashboard, and build a daily operating report. The final level of reporting would be to build a new set of reports which linked and analyzed data from all areas of the mill. New key indicators would be created and original key indicators would be updated automatically.

The Design Solution:

Hinz provided an information system which met the client's needs. All of the reports from the machine vendors were duplicated, which fed data to the Daily Mill Operating report, saving Temple Inland a great deal of labor.

Part of the labor intensive activities which were replaced was the entering of shift numbers by the shift supervisors. Manual entry pages were built to collect the few numbers which could not be collected automatically.

Custom charts were created, replacing the originals. A number of new charts were created for the Planer mill where a new AutoLog system was put in place.

A set of custom reports were created to allow dimension comparison over long periods of time. For example: the client could query the system for all 14 foot long 2x4's over the last 3 months. The new system would produce the number in under 2 seconds, where in the past that operation would have taken many hours of sorting through printed reports.

Other custom reports allowed the user to view or export summary report data for any of the machine areas over any duration of time.

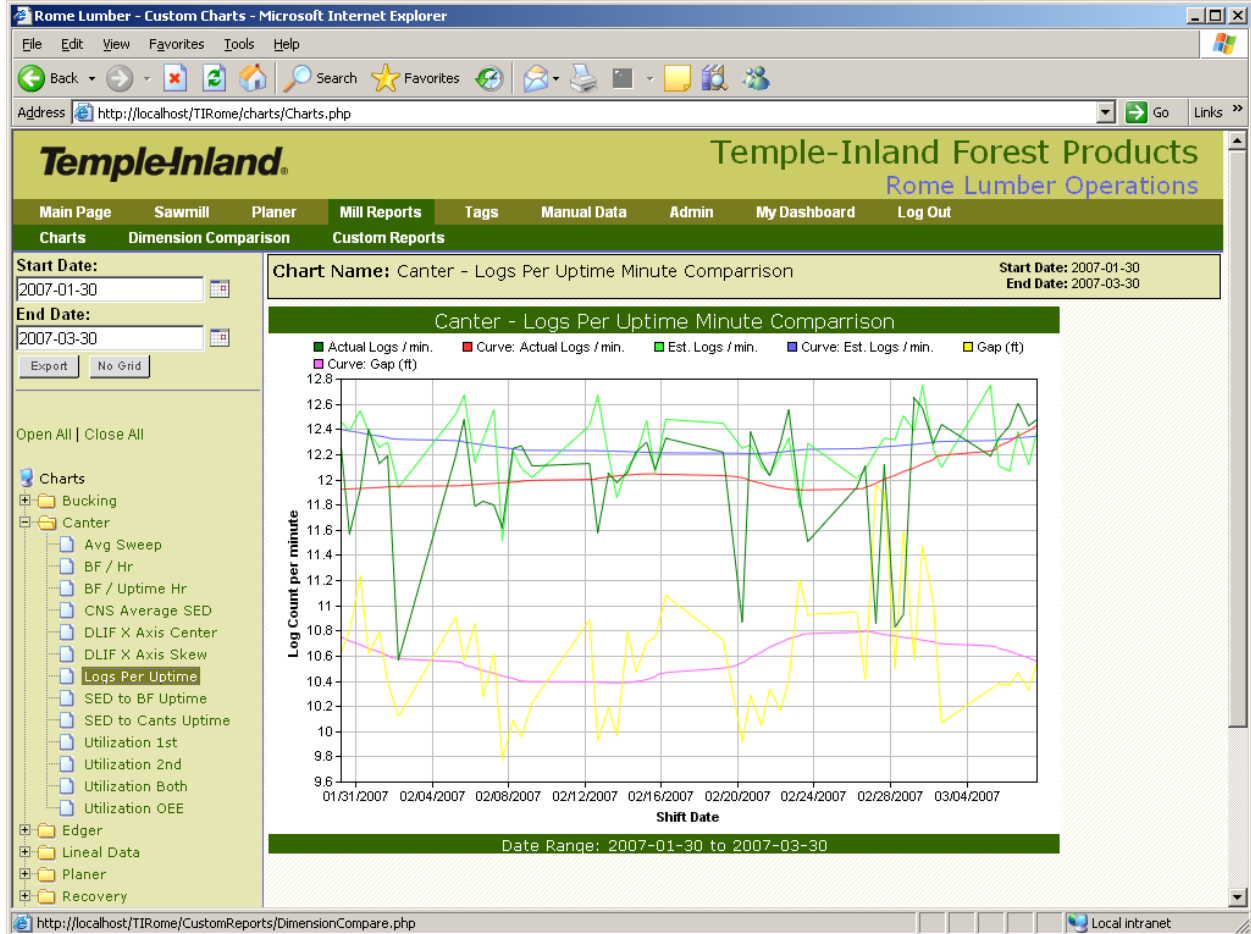
Linking Kiln and Planer data was a key part of the new information system. Once a kiln charge was complete all of the kiln data, including trended operational data was logged. After the boards ran through the moisture meter, the moisture data was linked back to the detailed kiln charge data. With the linked data, the moisture map of each kiln package was re-built showing the location of the over/under dry boards. The user could also view statistics based on kiln number, location in the kiln, and dimension of the board over any period of time.

The information system allows all of the data collected to be exported into Excel for further analysis or custom reporting.



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System Specifications:

- Computer: Dell Server – 64bit Dual Processor Dual Core
- Operating System: Windows Server 2003
- Database: MS SQL 2005
- Web Server: Apache
- Application Languages: PHP and VB.NET

For further information or to contact a Hinz office near you, please check our website at:

www.hinz.com