

# SUCCESS

## IRONWARE CASE STUDY

**INDUSTRY:** Global Manufacturer

**ORGANIZATION:** Luzenac (world's largest producer of talc)

**CHALLENGE:** Separate financial and manufacturing systems, no real-time data or useful reporting

**SOLUTION:** Complete system integration between MAS 500 & Material Requirements Planning system

**BENEFITS:** Increased productivity & access, real time data for the entire enterprise, low TCO



*“We looked at a number of companies and believe that IronWare offered the right blend of experience, value, and expertise for our needs.”*

**Roger Smith**  
Vice President of Finance  
Luzenac America.

## GLOBAL MANUFACTURER USES IRONWARE TO OPTIMIZE ENTERPRISE ACCESS

### ORGANIZATION

Luzenac is a market-focused talc producer. Luzenac is the world leader in its field, committed to setting the standards for the talc industry in such areas as innovation, technical assistance, product quality, health, safety and environment, and ethical behavior.

Every year, Luzenac produces, ships, and sells in excess of 1.4 million tons of talc from over 30 talc mines and processing plants in Europe, North and Central America and Australia.

### SITUATION

Luzenac was using JD Edwards for their backend accounting and financial system with no integration to their proprietary manufacturing system. Each location had its own non-integrated processes. All transactions (orders, billing etc) were keyed multiple times into both systems. Real time data was non-existent, and reporting was very difficult because of lack of integration into one complete system.

### SOLUTION

IronWare Technologies consulted and completed a system integration between MAS 500 and an IronWare developed Material Requirements Planning system for Luzenac (PIMS) across the entire enterprise. Luzenac benefited from a complete system integration between MAS 500 and their proprietary Product Information Management System (PIMS). Integration between PIMS and MAS 500 was completed on many levels. A new Citrix farm allowed for easy access to the system, as well as a redundant network. The PIMS is used as a scheduling and production tool for manufacturing a product - for fulfillment of customer sales orders, as well as internal stock orders or transfer orders. There are several integration points between PIMS and MAS 500.

### **Luzenac finds added value in complete system**

When logging into PIMS, the username and password are verified against the SQL login

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created by MAS 500. The warehouses available are all warehouses setup within MAS 500. PIMS communicates with the MAS 500 database using SQL App-Role technology. The production board displays 3 weeks of data on the right, as well as the current day of production on the left. (Diagram 1) The columns or production lines are user defined and are specific to each warehouse. Each tag or magnet represents a line item from a sales order, transfer order or stock order. A stock order is created directly within PIMS to produce product for inventory. Each magnet can be “dragged and dropped” into any day or production line as necessary. Each magnet displays –LIST ALL MAGNET PROPERTIES. A tool-tip feature is available for all magnets not yet in production. Double clicking on a magnet opens up the “order details” screen. (Diagram 2) This displays all relevant information for the order, read directly from the MAS 500 database.

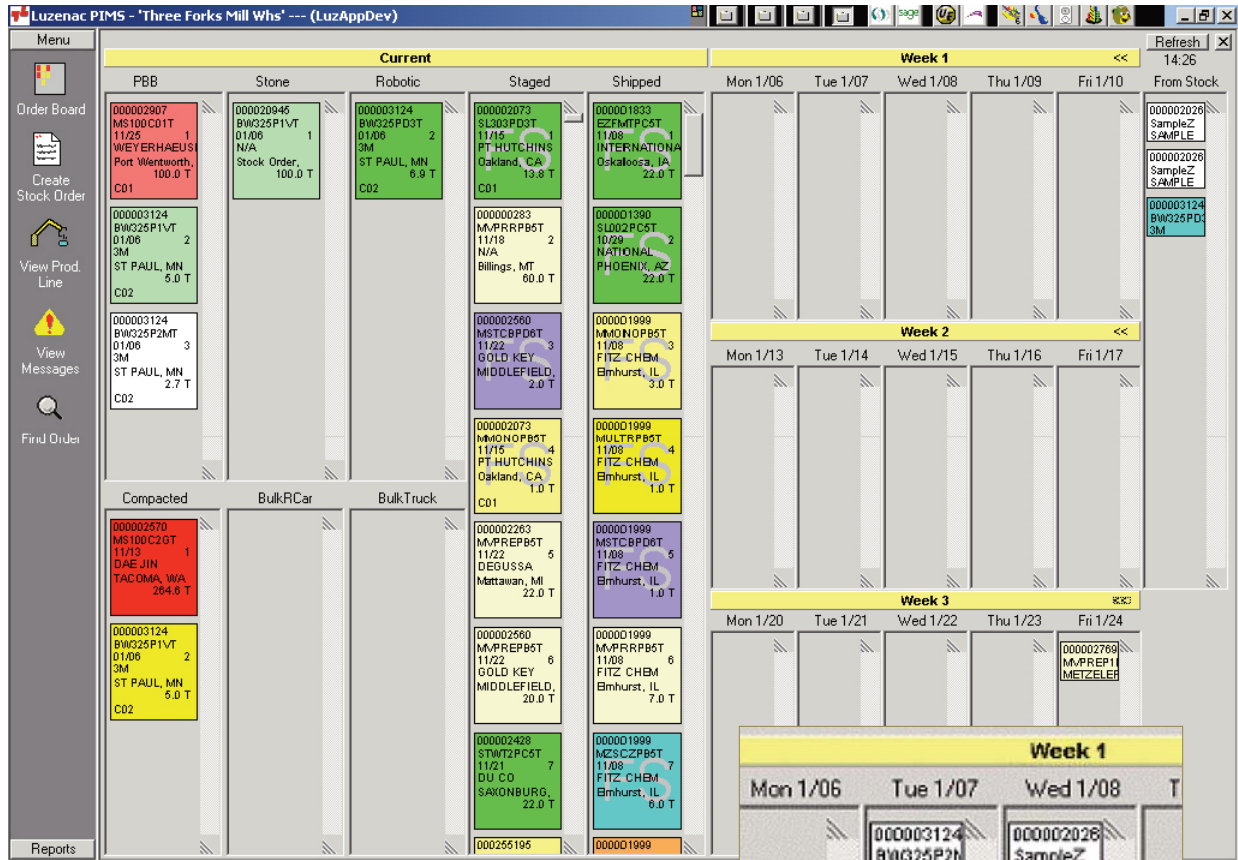


Diagram 1

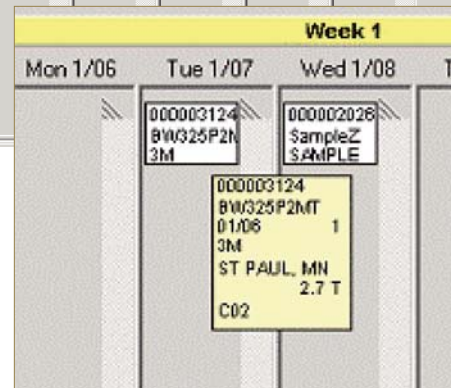


Diagram 2

### MAS 500 Integration Points

All integration points utilize MAS 500 APIs if available. IronWare Technologies authored any additional integration points which do not have MAS 500 published APIs available. These IronWare authored integration points utilize the MAS 500 stored procedures which the Windows client uses. (Diagram 3)

Event	Integration Type	Description
Pick Ticket Created	Creation of records in PIMS specific tables	When a sales order pick ticket is created, a trigger is fired which will create records in the PIMS tables. PIMS specific data is stored in these tables, while original sales order information is retained in the MAS500 tables. With the exception of keys, no data is replicated in the system.
Pick Ticket Cancelled	De-activation of PIMS records	When a pick ticket is cancelled in MAS500, a trigger is fired which marks all the affected records as inactive. This will remove the tags from the order board. In addition to the order board modifications, the messages are added to the message queue to inform the users of the changes.
Packaging Complete	Creation of MAS500 Inventory Kits	When the user has marked a tag as packaging complete, the system will require that all distribution information is recorded. Validation occurs which will verify that all components which will be needed for kit creation exist. Once the validation step has occurred, inventory kits are created for lot numbers stored in the "Create Inventory" lot grid. Once kit creation is complete, the order is Pick Confirmed within MAS500 with the lot information provided by the user.
Order Complete	Modification to MAS500 Sales Order, Creation and Release of Shipment	When the user has entered all required data elements for the order complete step, the system performs another validation step. If this validation step completes without any warnings, the order is pick confirmed once more in case any changes had been made to the data. A shipment batch and the order shipment are created within MAS500. After the shipment batch is created it is posted within MAS500.

Diagram 3

*“We selected IronWare based on their experience in the implementation and management of systems like these. We looked at a number of companies and believe that IronWare offered the right blend of experience, value, and expertise for our needs. At the same time, we recognized their ability to show very quick return on our investment with them, which is important to any business.”*

**Roger Smith**  
Vice President of Finance  
Luzenac America

#### BENEFITS OF THE LUZENAC PROJECT INCLUDE:

- One complete integrated system company wide
- Easy access to the system from anywhere through Citrix
- Improved fulfillment of customer sales orders, internal stock orders and transfer orders
- Real time data for the entire company
- Lower total cost of ownership (TCO)

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