

Executive Summary for SR-rm-001, Riordan Manufacturing

CIS 319

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Learning Team B (LTB) Industries is assigned to evaluate Riordan's current manufacturing business process. The team will suggest changes required to upgrade their existing computer system. Riordan Manufacturing is an international plastics producer employing 550 people with anticipated annual earnings of \$46 million. The company is owned by Riordan Industries, a Fortune 1000 enterprise with revenues in excess of \$1 billion. Production is divided among three plants: plastic beverage containers in Albany, Georgia, custom plastic parts in Pontiac, Michigan, and plastic fan parts in Hangzhou, China. Research and Development is conducted at corporate headquarters in San Jose, California. Riordan's major customers are automotive parts manufacturers, aircraft manufacturers, the Department of defense, beverage makers, bottlers, and appliance manufacturers (University of Phoenix, 2012).

Board Members- Riordan manufacturing's leadership team consists of Chief Executive Officer Michael Riordan, VP of R and D, Kenneth Collins, COO Hugh McCauley, VP Sales and Marketing Charles Lacy, CIO Maria Trinh, HR Yvonne McMillan, CFO Dale Edgel, and Human Capital Consulting Senior Consultant (University of Phoenix, 2012).

Background- Service request SR-rm-001 tells us that Riordan manufacturing wants to use computer system utilization changes that improve inventory and the manufacturing process. LTB Industries proposes the following benefits will occur with the implementation of a Windows-based ERP model specific to this industry and upgraded computers.

1. Riordan Manufacturing will benefit by reducing the waste productivity time correcting human data input error.
2. The new system will also allow corporate and satellite plants to know what is on hand globally.

3. Riordan will be in a position to expedite orders to their customers.
4. Riordan will also be able to forecast sales and continue to provide their customers with quality products.
5. Riordan will be able to save finance costs with cost-effective inventory programs.
6. Management will be able to view inventory progress.
7. Board Members will benefit by an excellent return on their investment.
8. Riordan will benefit from enhanced communications between locations. The expedited flow of information inherent with this type of communication will pay dividends in productivity. System users will be able to track virtual inventory and stock at all locations.

Possible Inventory Solutions- The implementation of Microsoft Dynamics GP Business Essentials to centralize inventory control. Currently, the inventory is tracked separately at each location, but the inventory is not gathered until the end of the business day. The information could be inputted throughout the day and Riordan could track the materials at each location at virtual speed. The physical inventory for each individual location is not gathered until December of each year. Riordan needs to have global inventory information readily available.

The inventory at each location consists of the materials as well as the finished product. The manufacturing plant in Georgia does not know what the plant in Michigan has in inventory. A system capable of linking the information from all four plants together and tracking the inventory of the materials, Riordan will be able to reach their goal of consolidating inventory. Implementation of Microsoft Dynamics GP Business Essentials means real-time updates of inventory and transactions. Information and transactions entered are updated immediately.