

New System Proposal for Riordan Manufacturing

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Riordan Manufacturing is owned by Riordan Industries and has three manufacturing plants: Albany, Georgia, Pontiac, Michigan, Hangzhou, China. The company's headquarters is located in San Jose, California. This is where research and

development takes place for Riordan. It is a fortune 1,000 company. Riordan Manufacturing is the industry leader in the field of plastic injection molding and with precision medicine devices such as heart valves and heart stents. Riordan Manufacturing is also popularly known for their custom designs such as bottle labels. Through all the company's success however, Riordan Manufacturing needs a new system proposal which is what we have put together.

Riordan teams with Cloud Computing

Riordan Manufacturing requires a new and updated system that will work great with organization of product sales, where it will allow data to be managed by employees from computers and mobile devices. The system that will be developed will include customer records and for security reasons it will be password protected. The cloud computing system will be inexpensive to convert from the old system by using an idyllic system.

The initial siting of cloud computing was evolved from visualization. Riordan will be able to separate software, business application, and data from hardware by using visualization. The cloud offers storage, network, and hardware virtualization. Private warehouses will be set up for company information in private cloud. By using virtualization you can enhance assets within the business. Also you can have lower administration fee and reduce maintenance fees. This will also allow the whole marketing division to combine to one great and superior database. Another advantage to switching to a cloud system will allow a faster return of information that comes from

different locations. This is a great benefit rather than trying to gather information from different locations that are scattered geographically.

Description of Cloud Computing

Using a private Cloud, Riordan will have their own private data warehouse. The warehouse becomes the center for all the information and not just for manufacturing, but for all divisions under the Riordan umbrella. Information flows to and from the warehouse. When data is entered in a computer or mobile device it immediately travels to the data warehouse where it can be accessed by any other computer or mobile device. This information can be reached right after it is entered and by all organizational divisions and departments.

Riordan's Business Needs

Riordan has many business needs that Cloud computing can address, reducing IT costs. Having many plant locations, cloud computing can lower per plant cost by eliminating hardware and software at each location. Riordan looks to improve its overall efficiency for the inventory and manufacturing processes. Riordan also looks for improvements to the MRP (Materials Resource Planning) and ERP (Enterprise Resource Planning) systems for better tracking and management of materials and finished goods throughout the supply line. They need a database plan for Business-and-Business website for ordering materials on the Web. They have many systems within their operating systems that will need to be integrated: the HR system of tools, manufacturing operations, research and development, marketing and sales database, allowing each