SHOP FLOOR SCHEDULING SYSTEM

CLIENT PROFILE

The client is a designer and manufacturer of high quality commercial and industrial heat exchangers.

CLIENT-SIDE SUMMARY

The Client is a small manufacturing company that does mostly custom jobs for its customers. Client had been on their old system for almost 10 years. It was very out-of-date and pieced together of separate programs with little to no integration between them, necessitating multiple entries in multiple systems for the same order, using other tools like Excel & email to keep track of orders from module-to-module. In short, a very inefficient and human-error prone system. The Client required an updated, accurate, powerful, easy to use Shop/Floor Management System.

THE CLIENT

Client: Manufacturing Company | **Location:** Wisconsin | **Industry:** Mechanical-Industrial Engineering

SURETEK SOLUTION

The Client had a legacy system which was to be rebuilt using .Net 3.5 and MS SQL Server. Suretek technical team took the work and started analyzing the scenarios and the necessary steps to be taken to fulfill the objective of the client. After certain brain storming sessions, the technical team proposed the client with a business workflow that needs to be followed to develop the system. The sessions included detailed discussion about legacy application. The Final outcome contained all features required by client. The solution offered complete functionality for sales quoting, order and job creation, job scheduling (both infinite and finite capacity), material requirements planning (MRP), and manufacturing execution (MES) / shop floor control. The system was designed to collect data for discrete manufacturers who are job-centric. The system provided visibility of the shop floor in real-time. The 18 modules of solution include labor tracking, production planning, monitoring of machines, component control, and time and attendance tracking. The system's data collection capabilities were designed to lower costs, make employees more productive, and enhance the utilization of machines and other capital.

TECHNOLOGIES USED

C# .Net, ASP .Net 3.5, Java Script, Ajax Toolkit, MS SQL Server