SERENIC®
SOFTWARE

Naval Shipbuilder Speeds Time and Labor Allocation Reporting

The Challenge

One of the largest manufacturers of US Navy vessels needed to replace their manual card-based system for tracking labor hours allocated to various contracts. As a defense contractor, they needed to abide by the strict labor accountability guidelines imposed by the US Department of Defense (DoD).

"We have in excess of a quarter of a million different labor charges that we have to keep track of," says the manufacturer's manager of manufacturing systems. Previously, supervisors used to record and allocate labor to job codes, since training each of their 9,000 workers in the intricacies of recording such information on their own time cards "would be a big task, maybe even an impossible task to be really effective," he says.

The supervisors spent about one and a half hours each day managing time cards. Then the time keeping department would manually enter the labor information.

The system was slow and prone to errors.

The Solution — Serenic Software Time and Labor Allocation data collection system

The contractor implemented an Serenic Software system to automatically collect employee attendance, time and job allocation information. This was the largest application ever implemented by the manufacture as it touches all employees. The implementation was broken down in stages; across the massive facility. Three implementation sub-teams comprised of Serenic Software and employees from the manufacturer worked through application specification, development & testing, and hardware and communications network design and installation.

At the hub of the Serenic Software system is NaviNet, a powerful shop floor data collection management system that continuously gathers data from Serenic Software's shop floor devices and delivers real-time data to the Time and Labor Allocation system that is available throughout the company.

The supervisor distributes work assignments printed with job barcodes and employees arrive at their work area and clocks into a NaviView using a barcoded badge. The worker scans job code on the sheet to start an assignment. When complete, the worker scans the next job code on the sheet to simultaneously close out the last assignment and begin a new one.

Supervisors now review employee time cards on-line at their own workstations, validating the employee's labor charges for the day and, if necessary, correcting errors.

The key to the success of the system is that no single person can make alterations to labor allocations. Employees must electronically sign off on any changes recommended by the supervisor by scanning their employee badge.

The manufacturer benefits from the Serenic Software Time and Labor Allocation data collection system in the following ways:

- **Accuracy saves hundreds of hours:** With the elimination of handwritten time cards, accidental data entry of invalid labor charges has also been eliminated saving hundreds of hours monthly tracking down and resolving problems.

- **Automated data collection saves supervisors one hour each day:** With on-line access to workers' time cards and assurance of a job code's accuracy, supervisors spend only one-third of the time they used to reviewing time cards.

- **Timely labor data helps track job schedule performance:** Managers have real-time information about which labor tasks have been completed, giving them up-to-date information about the status of a job.

- **Visibility speed validation of attendance for payroll:** Managers can also readily access attendance information, to streamline sick day and vacation tracking and provide updates for payroll.

About Serenic Software

Serenic Software develops and delivers mission-critical ERP software solutions for public service organizations including: K-12 school districts/boards, public sector, nonprofits (NPOs), and international non-governmental organizations (NGOs). Serenic is a Gold ERP and ISV vendor and a development partner for Microsoft. Serenic public service solutions are trusted by over 1,000 organizations around the globe. You can learn more about Serenic Software at www.serenic.com.

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