

▶ X INTEGRATION OF A NEW SITE INTO COMPANY SYSTEMS



OVERVIEW

To add a new site into a company support structure **CIMx:**

ANALYZED THE SITE SYSTEMS AND WORKFLOW TO MAP INFORMATION INTO AN EXISTING CIMX PAPERLESS MANUFACTURING SOLUTION

MIGRATED AND STANDARDIZED PRODUCTION DATA AND RECORDS TO COMPANY STANDARDS

INTEGRATED THE SITE DATA INTO THE JD EDWARDS RECORD SYSTEM

ERROR-PROOFED PRODUCTION RECORDS AND ELIMINATED QUALITY ESCAPES

PROBLEM

A manufacturing company purchased a supplier providing components to their products. Integration into their company manufacturing standards was essential for record standardization, visibility and control of production between sites. The production records required rigorous accuracy and completeness to provide traceability of all parts on all orders.

CIMx was tasked with developing a solution that would provide the level of accuracy and error-proofing required while minimizing disruption of production workflow.

RESULTS

The new location was seamlessly integrated to the parent company in less than two months. All employees of the supplier company were trained over a two day period and the cutover took place on the Sunday night third shift. By Monday morning the supplier was in production with Paperless Manufacturing compliant with company standards and production records were being successfully sent to JD Edwards.

The compatible information, data and production records between sites increased efficiency across the organization. The paperless solution has eliminated quality escapes and integrated traceability records. Operation across the sites and systems is now seamless, contributing an estimated annual savings far exceeding the one-time cost of the solution.

SOLUTION

The CIMx MES was already in use at the manufacturers' main location. CIMx began the project by assessing manufacturing systems and processes at the supplier site to determine an integration and standardization strategy.

The supplier used a modified MRP system to provide paper work instructions and forms to capture resulting production quality data. Paper-based workflow was inefficient and error-prone, making traceability difficult and incomplete.

CIMx and the customer agreed to extend the existing Paperless Manufacturing system to the supplier site. This required conversion of historical information and paper-driven processes into the standard data structure and records. The 65 shop floor workers and 10 engineers and quality assurance people were trained in the use of the system.

The database of current workflow instructions required translation, correction, formatting, and migration into the CIMx Paperless solution and data structure. The years of historical records would be migrated and archived for audit retrieval in the solution. CIMx proposed creation of a shadow database and separate instance of supplier information in a development environment for this phase of the project. This eliminated the risk of production disruption.

CIMx developed migration and translation scripts to copy the supplier information and data. The data was corrected and formatted to improve efficiency and usability. Care was taken to make sure changes were compliant with JD Edwards, the Oracle-based ERP system. Within a month the IT staff and operations managers could view production planning in a form familiar to them. User recommended changes or additions were made before the final transformation of data into a digital workflow.

CIMx recommended a pilot run conducted in parallel with ongoing production to evaluate the benefit of changes. Upon completion of each order data was sent to the ERP to assess the standardization. Several iterations of testing were conducted until the customer was satisfied production at the new site was compatible with company standards and ready for rollout throughout production.

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