

The Situation

NEBS, over the years has grown and acquired many similar businesses throughout the country. As each new plant was added, another copy of the proprietary Manufacturing Order Management (MOM) system was added. Data from each plant was sent to the main offices, but some data was not being captured, and none of it was being persisted over time.

The Challenge

An automated system was needed to collect information from their remote Oracle order systems, and to store it in a central repository for reporting.

The Response

Integra designed and built an automated Oracle database system for collecting the required data and storing it a central reporting repository. By using high-speed bulk loading techniques, loads are completed with little impact on production work flow. Dynamic SQL is used to extract table definitions on the fly. This enables the NEBS staff to alter tables (add or remove columns) as needed without making

code changes. The load process is table-driven, allowing the addition or removal of tables without change code. Strict referential integrity, process control, and error checking helps the system to run trouble-free most of the time, and even recover from many problems without human assistance. Automatic error email generation keeps the staff informed in the event of a failure.

The Result

Integra was able to bring the various order management systems data together in a central database. Careful planning, design, and development made the system much more carefree for the staff. Integra left NEBS with a well documented, automated system that filled all of their needs.

The Technology

Oracle8, PL/SQL, UNIX shell scripting



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