

ERP

BI & EPM

Middleware

CRM / CX

Managed Services

Infrastructure

# Improved Work Order Integration and Planning

## Northeast Ohio Regional Sewer District, Cleveland, OH

- Wastewater treatment facilities and interceptor sewers in the Cleveland Metropolitan Area
- Service area encompasses several million customers, including a diverse group of manufacturing and processing industries
- Includes 61 suburban municipalities in Cuyahoga, Summit, Lake, and Lorain Counties
- Three wastewater treatment plants (Easterly and Westerly in Cleveland, Southerly in Cuyahoga Heights) serving over one million residents

## Oracle Technologies

- Oracle E-Business Suite
  - General Ledger
  - Payables
  - Receivables
  - Cash Management
  - Purchasing
  - Inventory
  - Advanced Procurement
- Oracle Work and Asset Management (WAM)
- Oracle Discoverer
- Oracle Service-Oriented Architecture (SOA)

*"Once again, I'd like to thank you and the AST team... Many of the reservations we had from previous efforts were overcome. Please extend my gratitude to the entire AST team, their dedication and professionalism are much appreciated."*

*Humberto J. Sanchez, Director of Information Technology*

## Business Needs

Due to organic growth, NEORSD's Information Technology Infrastructure included multiple Oracle environments, each containing various Oracle applications. These applications had been implemented without adequate integration across the organization, causing operational inefficiencies and numerous business challenges related to version compatibility, security, and compliance.

Oracle Work and Asset Management (WAM) was being used for work order and asset-related activities, including preventive maintenance, reactive maintenance, asset cost rollover, and usage of inventory material for completing the work order. Oracle E-Business Suite was being used for all financials, procurement, and inventory transactions, excluding the work-order-related transactions. Thousands of transactions and objects can be shared between these two systems, however, the integration had never been made to work successfully. NEORSD sought a partner to help them design, plan, and build integration for supply chain transactions between these two major systems.

## Services & Benefits

AST collaborated with NEORSD and Oracle to modify pre-built integration tools, reducing the total time and cost to deploy the necessary integrations. Working side-by-side with AST, NEORSD is the first and only utility to successfully integrate the two systems.

The Oracle Integration Pack leveraged for this integration uses Business Process Execution Language (BPEL) processes and standard data mapping, based on XSL Transformation in order to translate the data extracted from the source system to a format that can be inserted into the target system. The integration for NEORSD leverages standard interface programs and tables to retrieve data from/add data to Oracle WAM. The Integration Pack also adds interface tables, PL/SQL packages, and database triggers on the Oracle WAM database for additional functionality. In Oracle EBS, the Integration Pack adds new database objects, such as a new database schema, interface tables, and PL/SQL packages. A set of new lookup types and codes also enables customers to configure the integration based on their unique business needs.

This method of integration between WAM and EBS applications at NEORSD is an excellent way to simplify the integration between two complex systems. NEORSD Supply Chain Planners and Buyers are now taking advantage of these integrations and are able to focus on value-add tasks, rather than spending time to ensure that their two systems are aligned. Pre-built integrations have significantly reduced NEORSD's time and effort to deploy, with an added benefit that some integrations can be deployed in a standalone manner.

APPLICATIONS SOFTWARE TECHNOLOGY CORPORATION

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AST Corporation services encompass all aspects of Oracle E-Business Suite Applications and Technologies, Business Intelligence/Enterprise Performance Management, Oracle Fusion Middleware, CRM and Managed Services. Our unblemished track record, combined with our Oracle Platinum partnership and our exclusive focus on Oracle software will enable you to undertake the most challenging projects with confidence.

