



Electronics Manufacturing Company

Company Profile

One of the largest semiconductor manufacturers in the world. This American multinational corporation and technology company has more than 100,000 employees and a revenue of around 60 billion US dollars.

Project Purpose - MDM

This project focused around the implementation of an Informatica Master Data Management (MDM) solution, which included the installation of Informatica MDM Hub, Informatica IDD, MDM Hierarchy Manager and Informatica PowerCenter.

Project Goals

Enable end users to perform hierarchy analysis from a timeline view, audit changes, and perform bulk updates

Allow end users to drag and drop hierarchy elements, making the system usable for individuals with little technical knowledge

Create the ability to display two hierarchy views on a single screen without having to access multiple systems

Create the option to add new hierarchy elements via user inputs and batch loads from source systems

Create the ability to publish real-time MDM data to enterprise applications using service layer (Service Integration Framework & Business Entity Services) and messaging queues

Add the ability to create, update, delete, or display on an interactable GUI

Business Challenges

The existing SAP MDM solution was too complex and time consuming to support real-time, service-oriented architecture

The existing SAP MDM system made the process of providing a hierarchical view of products time consuming and tedious

The system should report a hierarchy view on a timeline view, show changes in a hierarchy over time, and perform bulk updates

End users wanted to retain a flattened hierarchy display and Excel export functionalities

The products were sorted into two hierarchies and a consolidated view was not possible

The system lacked the ability to create, add, delete, and display hierarchy nodes via a GUI-based tool

Project Results

Time-sensitive master data changes were published to the enterprise applications in real-time to support business-critical operations

Contains a graphical user interface with drag and drop functionalities that can be utilized with minimal training

MDM hub provides a timeline view of the hierarchies and all changes to end users for analysis

For all reporting, the flattened hierarchy model and excel exports are supported via IDD

A central hub stores hierarchy data, eliminating the need for multiple systems and manual integration

Audit is enabled in the MDM hub; all changes to data can be reported without additional effort