



## Oracle's MOC: Enhance Value of Production Environment and Longevity of Oracle E-Business Suite

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**Oracle** customers seeking to maximize their current Oracle E-Business Suite 11.5.10 deployments and gain better optics into manufacturing performance should examine Manufacturing Operations Center (MOC) EMI closer.

Oracle Manufacturing Operations Center is a standalone EMI product with an S95-based data model, which is separate from ERP. It comes with prebuilt Oracle E-Business Suite 11.5.10 integration, but is designed to be ERP agnostic. MOC is meant to be the unified plant data repository and is not a substitute for Oracle discrete or process MES, BI applications, middleware, or even mainstream data historians.

The product uses integration infrastructure provided by Oracle Fusion Middleware to gather data from legacy data sources, such as MES or quality applications. To collect real-time streaming data from plant equipment and control systems, Oracle enlisted key partners such as **Kepware**, **ILS Technologies**, and **Matrikon** to aggregate real-time data from control systems and plant equipment, including CNCs and PLCs. Data is contextualized via role-based dashboards and specific key performance indicators (KPIs).

Companies should view MOC as a hub for collecting and integrating data from shop-floor devices into ERP, which provides intelligence of production performance to multiple stakeholders. For example, **G.James**, an Australian home products company, plans to see short-term ROI from gaining visibility into work-in-process and machinery set-up cycle times. Over time, company officials foresee the data collected in the MOC becoming the binding entity between manufacturing and the company's supply chain. They expect to use live data from the production environment to drive networked communications of order and delivery status, which should make G.James more agile, eventually leading to reduced inventory reductions and improved on-time deliveries.

The MOC is not Oracle's first foray into the production environment. The company's ERP-based products have been used by many customers, and OSFM has been embraced in fab-less semiconductor environments for quite some time. In 2006, Oracle made a big splash with MES functionality as part of Oracle E-Business Suite R12. However, only some of the existing manufacturing customers are upgrading to R12, and new customers will take awhile before deploying MES. As the downturn hits IT budgets, AMR Research expects manufacturers to look at prolonging their current ERP investments versus upgrading. We also predict EMI projects that provide visibility into manufacturing performance will continue to attract investment because of the rapid ROI associated with them.