

# JD EDWARDS ENTERPRISEONE PLANT MANAGER'S DASHBOARD



## KEY BENEFITS

- Quickly gauge the health of your organization at a glance with broad access to analytical data
- Optimize your navigation to the root information
- Take corrective action when the situation dictates
- Low cost of ownership; implementation is achieved with core JD Edwards EnterpriseOne technology
- Select from 20 standard metrics including:
  - Booked order value
  - Shipped order value
  - Backlog trend
  - Projected revenue
  - Past due orders
  - On time production
  - Actual vs. planned production costs
  - Inventory turns
  - Cash-to-cash
  - Alerts
- Graphical displays include:
  - Simple bar chart
  - Stacked bar chart
  - Pie chart
  - Raw data in a table

*Monitor the pulse and health of your organization using key metrics derived from enterprise data. These user-selected metrics give you a comprehensive and timely understanding of your operation so that you can measure the success and profitability of your team's decisions. As you monitor activities across the organization from your office, use role-filtered information presented in graphical formats with tools to drill deep into supporting enterprise data to quickly understand activities throughout your plant. Take quick action to avoid or resolve problems when your selected metrics show a situation that could adversely affect your profit, cost, and delivery goals.*

### **The Issue: You Need Real-Time, Analytical Derived Information to Make Decisions that Drive Plant Profitability**

As an operational manager you need analytics that provide business insight to support your decision-making processes that shape the profitability of your plant and the rest of your organization. You require information that clearly indicates a change in business performance when that change happens, not after combing through reams of printed reports generated the previous evening from an IT or accounting department. And, you certainly don't want the bad news during a staff meeting or on your cell phone from a panicked shop floor manager or production line supervisor.

Your operational metrics are tied to operational goals and these numbers are structured in a way that indicates if your parent organization is moving towards or away from those goals. Your decisions drive those operational metrics that at the end of quarter affect not only your plant's bottom line.

### **The Solution: Data Pulled Near-Real-Time from your Enterprise's Central Database and Displayed Graphically on your Computer Screen**

Get the metrics you need, in graphical and numerical formats (see example in Figure 1), from your enterprise data with Oracle's JD Edwards EnterpriseOne Plant Manager's Dashboard. With this product, manufacturing and operational managers see metrics pertinent to a many roles within any production-oriented or distribution-oriented organization. This includes external-facing roles, like customers and suppliers, as well as internal positions across all aspects of your operations. The collected and displayed metrics include:

- Revenue management
- Customer shipment performance
- Manufacturing performance

- Inventory management effectiveness
- Supplier performance
- Cash and capital management

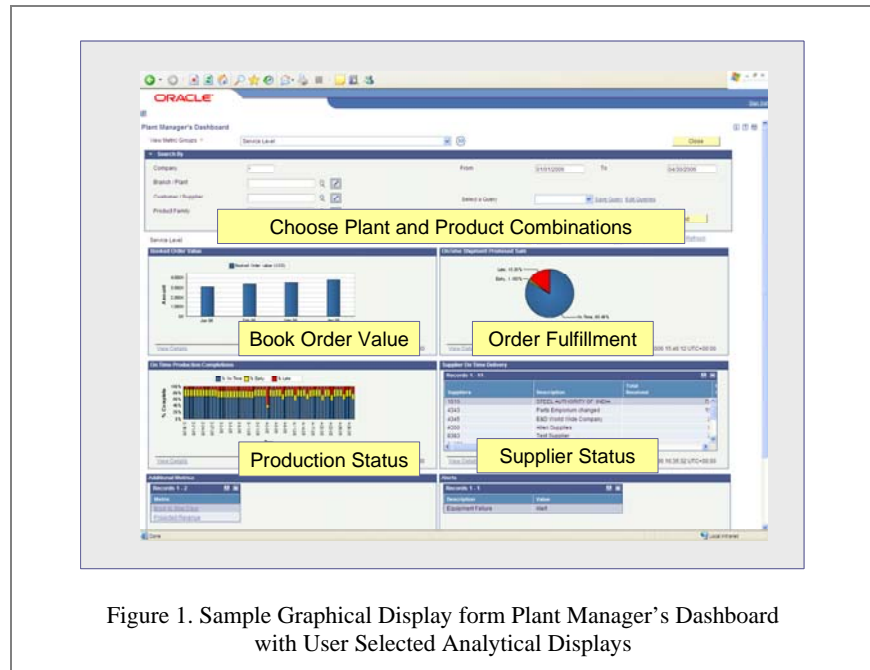


Figure 1. Sample Graphical Display form Plant Manager's Dashboard with User Selected Analytical Displays

### Real-Time Dashboard Metrics for your Operation from Plant Data

**Revenue Management** – Generate business insight related to future cash receipts and overall revenue performance. These metrics might serve as a rough predictor of cash flow to show which product families are contributing most to overall revenue, highlighting your company's overall health as well as possible strains in production or shipping capacity.

**Customer Shipment Performance** – Get information on the health of your order fulfillment process. These metrics serve to:

- Highlight the factors involved in getting product out the door
- Identify products with lead times too long for the market
- Highlight unpredictable manufacturing or supplier processes
- Illustrate the product lead time from a customer's perspective
- Reveal how production prioritization and scheduling decisions are made

**Manufacturing Performance** – See information on the reliability of your manufacturing process by highlighting poor production performance along with internal production constraints.

**Inventory Management Effectiveness** – See summary information on inventory turns, one of the most important operational metrics of any manufacturing plant.

**Supplier Performance** – Provides summary and detailed information on supplier performance. These metrics can:

- Draw attention to suppliers whose quality performance is in question
- Identify suppliers who frequently fail to deliver material on time

- Highlight suppliers whose lead times are getting longer

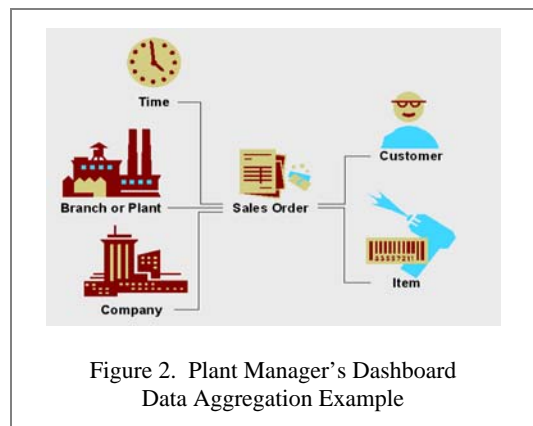
**Cash and Capital Management** – Display data related to your cash flow and how well it is managed. These metrics highlight:

- Your company's overall financial health
- Your ability to leverage inventory investments
- Overall value of your company

### An Architecture which Utilizes One Database Across your Company

JD Edwards EnterpriseOne Plant Manager's Dashboard utilizes a database design pattern with a fact table and one or more dimension tables. Each of the dimension tables has a single field primary key that provides a one-to-many relationship with a foreign key in the fact table.

The basic factual information is in the hub of the pattern. The feeds to the hub represent various perspectives from which the factual information can be viewed. Figure 2 illustrates this architecture using a sales order that can support the perspective of five different perspectives:



- **Time**
- **Plant** (or branch) responsible for the production of the item ordered by the customer in the sales order
- **Customer** who placed the sales order
- Parent **company** that owns the plant
- Individual **item** being produced.

The dimension table has a primary key that is used to connect it to the fact table. Since level fields and the attribute fields contain data that is duplicated in many of the records, there is normally not add a significant amount of storage space needed in the database since the overall size of each dimension table is very small when compared to the size of each fact table.

### Feature/Function Highlights

- Organization wide metrics
  - Revenue Management
  - Customer Shipment Performance
  - Manufacturing Performance
  - Inventory Management Effectiveness
  - Supplier Performance
  - Cash and Capital Management
- Dashboard is user configurable
- Slice and dice available information
- Graphical displays include:
  - Simple bar - with or without goals
  - Stacked bar – with or without goals
  - Pie charts
  - Raw data in tabular format

## Solution Integration

The Plant Manager's Dashboard module can be used with JD Edwards EnterpriseOne at release 8.11 SP1 and higher with at least the 8.96C1 service pack installed. Each metric has corresponding dependencies on core EnterpriseOne modules as listed in the following table.

Plant Manager Dashboard Standard Metrics	JD Edwards EnterpriseOne Application Module
Booked order value	Sales Order Management
Shipped order value	Sales Order Management
Backlog trend	Sales Order Management
Projected revenue by shipments	Sales Order Management
On time shipment to request date	Sales Order Management
Order promise date to requested date variance	Sales Order Management
On time shipment to promise date (aggregate and trend)	Sales Order Management
Book to ship days	Sales Order Management
Past due order (amount and count)	Sales Order Management
Back Order (amount and count)	Sales Order Management
On-time Production	Shop Floor Management
Actual production costs vs. planned cost	Shop Floor Management
Inventory turns	Inventory Management General Accounting
First pass quality	Procurement
Supplier on-time delivery	Procurement
Material lead-time exceptions	Procurement
Days Sales Outstanding (DSO)	Accounts Receivable Sales Order Management
Days Payables Outstanding (DPO)	Accounts Payable General Accounting
Days Sales in Inventory (DSI)	Inventory Management General Accounting
Cash-to-cash	Accounts Payable Accounts Receivable Inventory Management General Accounting Sales Order Management
Alerts	Condition-Based Maintenance Capital Asset Management

Copyright 2006, Oracle. All Rights Reserved.

This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor is it subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners (Z190 - revised 06 July 2006)