ORACLE DATA SHEET

Oracle Product Development Cloud

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FUSION APPLICATIONS
SUPPLY CHAIN MANAGEMENT

Oracle Product Development Cloud is an enterprise class product lifecycle management solution, delivered via Cloud for lower cost and faster deployment. With Product Development Cloud, companies can manage products and related specifications, optimize component reuse, reduce design cost, enforce change control and reduce supply risk. Specifically designed to support the enterprise ideation to commercialization process, it provides a bridge between the traditionally disconnected worlds of engineering and manufacturing functions through streamlined management of an integrated enterprise product record. The solution emphasizes ease of use and simplicity, allowing for a compelling environment to develop and quickly launch profitable and winning products to the market.

KEY BUSINESS BENEFITS

- Securely manage and control the enterprise product record
- Grade parts and components to enable reusability and readiness
- Gain visibility to release readiness across the entire product structure
- Effectively manage change iterations through a collaborative enterprise change management process
- Reduce supply risk and track part preference for manufacturer parts
- Improve productivity through social collaboration across a product's lifecycle
- Further develop and prepare validated concepts for commercialization and manufacturing with a seamless integration to Oracle Innovation Management Cloud

Reduce Design Cost and Promote Reusability

Oracle Product Development Cloud enables an efficient new product development methodology, a critical function of any company looking to be successful and innovate in today's globally connected business landscape.

Through a modern user interface, the solution allows you to easily and quickly create a rich item definition, the starting point of an enterprise product record. Business users can fully define product specifications, associate technical data sheets or any design documentation, model off-the-shelf components, and define the end product structure. The solution allows for flexibility to model unlimited attributes to represent varying specifications that need to be captured for different parts and components. Item Grading provides a benchmarking guideline based on various dimensions that are critical for a product's lifecycle. This promotes best practices as well as provides a methodical system whereby the best components are selected to achieve an optimal design while promoting reusability and cost reduction.

With the ability to quickly search and locate parts to be worked on as well as providing visibility into the readiness of the product across the entire product structure, users are empowered to focus on the critical aspects of development rather than non-value added administrative tasks. Revision management enables tracking and release of iterations and visibility into how a particular product has evolved. Through quick collaboration tools, engineers can get early feedback and affect the product sooner to avoid costly rework after a product has been released.

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KEY FEATURES

- Item Management
- Custom Attributes
- Item Grading Rules
- Item Attachments
- Product Structure/Bill of Materials
- Engineering Change Orders
- Approved Manufacturer and Part Numbers
- Project and Work Task Relationship
- Requirements Link
- Social Collaboration

RELATED PRODUCTS

- Oracle Product Hub Cloud
- Oracle Innovation Management Cloud
- Oracle Project Management Cloud

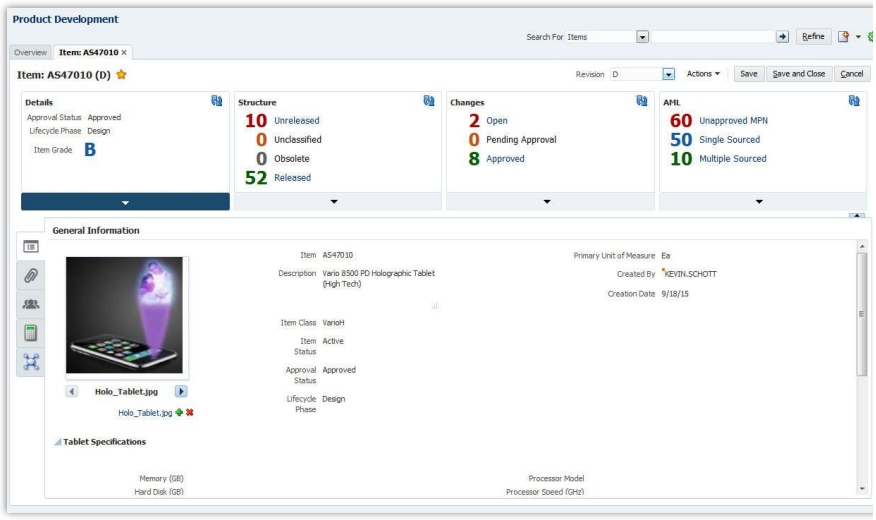

Figure 1.Item Grade and Product Readiness visibility

Reduce Supply Risk

In scenarios where it might be prudent to utilize off-the-shelf parts to tightly manage the design costs thresholds and targets set during the early stages of design, you can model various manufacturer part numbers as well as the manufacturers. This relationship can be further articulated using various documents that might qualify the manufacturer part in greater detail. Making sure that there are enough alternatives available for a given part is a sound design strategy; this can be done easily in the application through setting of preference levels, as well as making sure that parts have the right approvals before they can be qualified for use. With the ability to quickly view single or multi-sourced parts across your entire product structure you can manage supply risk much more effectively.

Figure 2. Single Source or Multi Source AML counts

Accelerate Change Implementation and Reduce Cycle Time

As products progress through their lifecycle, changes to a product's form, fit and function as well as operational information need to be managed and implemented in a timely fashion. Oracle Product Development Cloud allows you to model various types of change, providing you with the flexibility of configuring the workflow based on the change process in your organization. The change management user interface is focused around providing a holistic view of the affected objects as well as the critical change operations. With this more comprehensive view, you can quickly review and analyze the change being proposed. Typically changes are not localized to a single assembly or part and could affect multiple items that are either directly related or are reusing the same components. With the powerful capability of impact analysis you can readily view the impact and account for the changes across multiple items, thereby reducing overall cycle time of implementing a complex change. Embedded social collaboration allows you to collaborate within and across your teams to ensure a successful implementation. This consumer-grade functionality helps eliminate rework, reduce implementation cost and further compress the cycle time.

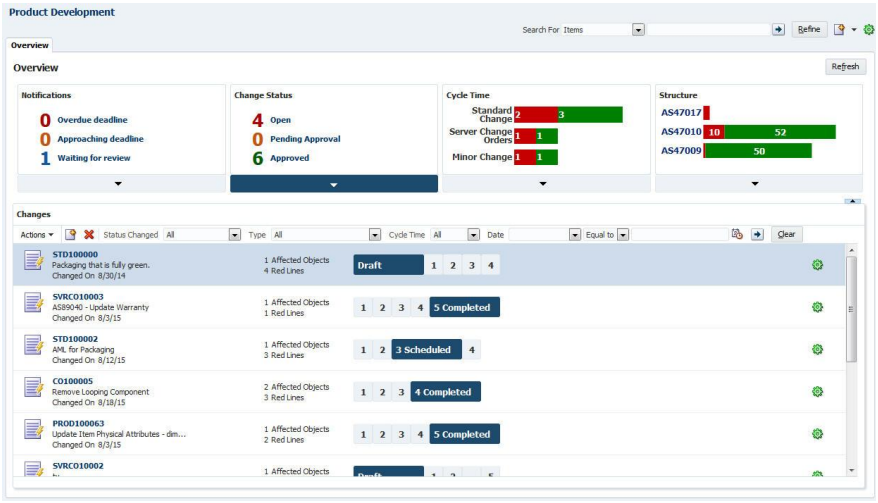

Figure 3. Change Status and Cycle Time Overview

Seamless Integration to Production

One of the most common challenges behind missed product launch targets is a fragmented technology landscape. Design and development systems are often disconnected from supply chain, production and ERP systems, which can lead to scattered engineering and supply chain data. This highly decentralized approach tends to require a very tedious process to enrich, synchronize and implement product changes, leading to delays, inaccuracies, and budget overruns.

Oracle Product Development Cloud coexists with and unifies the data and processes from existing ERP and supply chain systems. It also provides the foundation for a holistic cloud strategy to streamline all processes from ideation to commercialization to production, featuring a native, prebuilt integration to Oracle Manufacturing Cloud. By seamlessly integrating product development with production, you can enable a well

coordinated transfer to the production process. This linkage allows you to better prepare for final production launch by completing various downstream commercialization and pre-production activities.

With a centralized, enterprise product record, you can easily orchestrate product launch, identify plant-specific variations for product structure, and rapidly execute by preparing your manufacturing and supply chain partners with key operational information.

Benefits of Oracle Product Development Cloud

With a broad set of rich and differentiated capabilities to develop and manage products, actionable insight into ensuring product readiness, ease of product structure management, management of supply risk and tight control the change implementation process, Oracle Product Development Cloud is a best-in-class product lifecycle management solution that will empower your organization to:

- Improve development collaboration
- Boost efficiency and response to change
- Balance cost, quality & compliance
- Reduce supply risk
- Secure Intellectual Property
- Accelerate release readiness
- Reduce IT and administrative costs
- Quickly deploy and achieve faster time to value

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For more information about Oracle Product Development Cloud, visit cloud.oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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