Connected Digital Innovation

ORACLE®
HIGH TECHNOLOGY
INDUSTRIAL MANUFACTURING

The digital age is transforming how manufacturing and high tech companies innovate today. Digitization is driving product lifecycles shorter and is forcing new ways to innovate faster. To succeed, companies will need to adapt and execute much faster than the competition. Oracle's **Connected Digital Innovation** solution is a modern cloud platform which enables a digital thread to track the complete lifecycle of products from idea inception through release, in-field use and service. This closed-loop innovation cycle integrates quality data, user feedback, IoT-enabled product usage analysis, and collaboration across the value chain. The result is a reduction in the time it takes to get the right products and services to market while improving quality and customer satisfaction.

KEY FEATURES

- Universal closed loop feedback & idea capture from all sources
- Analyze portfolio strategy and evaluate proposals to determine best opportunities
- Collaboratively manage engineering change orders to capture design iterations
- Analyze and Enhance Items and BOMs for supply chain release; sourcing and manufacturing readiness, and sales commercialization
- Automate project management and execution across global operations
- Rationalize product portfolio and mix

KEY BUSINESS BENEFITS

- Improve Speed to Market for new product introductions
- Improve margins and increase market share by getting new products to market faster
- Compress cycle times and reduce data & process errors through digital release and automation
- Improve innovation and the ability to select the right solutions and services to prioritize through portfolio analysis

Improve Innovation Pipeline and Only Progress the Best Ideas

Today, most High Tech and Manufacturing companies are resource constrained. With the need for rapidly shrinking product lifecycles, companies can only afford to invest fully in the very best innovation ideas. A defined process with objective evaluation criteria should be used to identify the right ideas to move forward.

- Oracle's Innovation Management Cloud helps to build an innovation pipeline fueled by ideas collected from external and internal sources IoT data for detailed product usage, new requirements and product concepts.
- The very best ideas can be easily identified by analyzing projected costs, revenue, and risk factors using the Portfolio Analysis capabilities included in Oracle's Innovation Management Cloud.

Improve Time to Market Resulting in Increased Market Share

New disruptive technologies including IoT, Cloud, and 3D printing are taking the need for speed in Innovation to the next level and beyond. The continued growth of software led innovation is significantly shrinking product release cycles. Connecting all the digital assets and detailed specifications with a digital thread simplifies the product release process allowing every organization to simultaneously access the technical data packages they need to drive a successful launch.

- Product Development Cloud helps to efficiently develop and manage new products and engineering change requirements.
- Oracle's Product Data Hub Cloud helps to rapidly and efficiently commercialize products for globalized manufacturing and multi-channel commerce. Managing and tracking all the product data throughout the process reduces data errors and improves quality.

ORACLE®

- Securely manage and control the development product record (BOM)
- Enterprise wide quality collection and management process
- Identify root causes, take corrective actions via closed loop quality with engineering change management
- Collaborate by business object across partners, customers, suppliers, and within the business
- Supports a Model Base Enterprise approach connecting design engineering, supply chain, manufacturing, and quality

- Reduce costs through faster identification and resolution of quality issues
- Proactively identify and resolve quality issues to improve customer satisfaction and reduce the cost of quality
- Better understand, evaluate, and strategically reduce product costs through rapid simulations and analysis
- Improve sourcing efficiencies and reduce errors and quality issues through automated sourcing execution

Improve Quality Across and Drive Continuous Improvement

Manage quality in products and services to exceed customer expectations by integrating enterprise wide quality processes across product development, manufacturing, customer service, and digital asset monitoring. Drive quality best practices across the enterprise and identify and resolve quality issues collaboratively as they occur.

- Quality Management Cloud drives best practices from issue to resolution with a unified platform for enabling quality, visibility, collaboration and execution.
- Oracle's Product Data Hub Cloud securely controls your enterprise product data & processes. The Digital Thread can be tracked in the Enterprise Product Record to capture as designed, as planned, as built, as sold, as performed and as serviced.
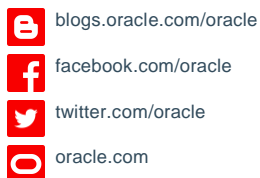
Modern Digital Age Manufacturing

The Oracle Connected Digital Innovation Solution is one of several Industry Solutions in the Oracle portfolio that empower Manufacturers in transforming their operations. These industry solutions use the same modern cloud platform in providing an intuitive experience to business users, channel partners, and customers on the devices they have become accustomed to using. Oracle has the breadth of experience, security, and global presence to be a trusted partner in your digital transformation journey.
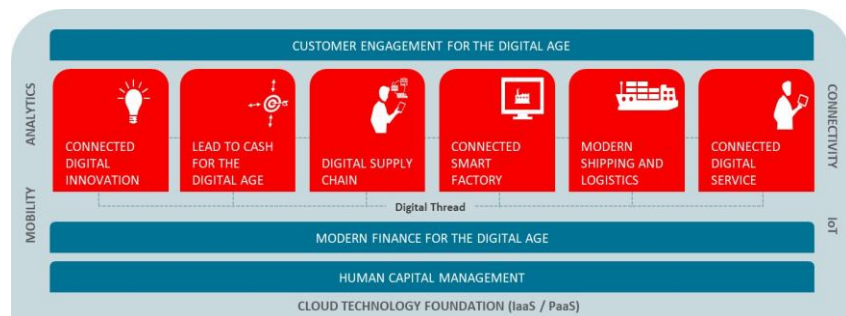
Oracle Industrial Manufacturing and High Technology Industry Solutions

Integrated Cloud Applications & Platform Services