

Enterprise Project Management

Planning and Managing Complex Projects in the High-Tech Industry



Industry Business Drivers

No industrial sector has penetrated our way of life more than electronics. Electronics are becoming more and more pervasive as a common enabler across industry sectors and a key driver for innovation. Every day we discover that electronic systems have entered a new industry segment, driving the market differentiation of a new product. High-Tech and other companies that manufacture electronics components are facing top-level business drivers such as shorter product lifecycles, fewer resources, or the integration of global design, manufacturing, and test teams.

Ineffective project management is a key barrier to optimizing time to market, costs, margins, and the overall success of product portfolios. The lack of proper control, execution and visibility to project status in the development of both products and technologies has led to lower profitability, poor customer satisfaction, and missed expectations for product delivery and performance in the marketplace.

As competition increases in the High-Tech industry, the late delivery or release of a technology or a product can have an immediate impact on the profitability or even viability of an enterprise. To reduce time-to-market and optimize costs, High-Tech companies are turning to a global enterprise project management strategy.

The Solution

As part of IBM's comprehensive Product Lifecycle Management (PLM) V6 solution, the Enterprise Project Management solution enables the implementation of a global enterprise project management strategy to help you plan and manage complex projects. By having the ability to manage disparate teams across the globe more efficiently, High-Tech companies can concentrate critical resources on the most profitable products while standardizing on best in class business processes across the extended enterprise.

Highlights

- ◆ Provides real-time access to project pipelines for rapid analysis and decision making
- Optimizes staffing plans with real-time utilization reports to assess availability of key skills across all projects
- Drives a phased-base decision making process using best-in-class process templates with predefined phases, gates and Milestones
- Improves execution and oversight of complex product development activities by decomposing projects into smaller manageable projects with visibility to sub-project Dependencies
- Facilitates access to processes and data within a secure environment
- Coordinates and collaborates on the planning and execution of projects in real-time
- Manages complex collaborative projects involving internal and external teams of prospects, customers, suppliers and partners



Through project dashboards, management has real-time visibility into a project's status in terms of schedule, resources, costs and benefits. Ultimately, this allows for better decision making when analyzing projects that offer the highest potential return on investment (ROI). The Enterprise Project Management solution helps High-Tech companies positively influence their bottom line by gaining production efficiencies and optimizing resource usage, while driving for more effective product launches or releases.

The Enterprise Project Management solution enables High-Tech companies to implement a global strategy for project management as an integral part of a product development cycle. This enables project teams to seamlessly collaborate with all product development stakeholders regardless of their geographical locations. The risk management functionality enables project's teams to identify, quantify, analyze, and mitigate risks before they impact the project results. Users can lower exposure and improve project performance by identifying, capturing, tracking, and following issues to resolution.

Under a deliverables-based project management approach, the status of task is updated automatically as the deliverables (a specification for example) is completed. This automated status replaces the manual processes used in many organizations, which can lead to inaccurate project status information. Work Breakdown Structure (WBS) support allows tasks and status to be inter-dependent, creating a strong environment for stage gate project management decision making processes. Project templates enable companies to capture best practices from successful projects. Project dashboards are available for management and project managers to capture an aggregated high-level graphical view of project status by phase, risk, quality, issues, assessments, costs, and benefits. This enables real-time decision-making based on the actual project and program status.

The Enterprise Project Management solution allows companies to improve projects execution by providing real-time access to project pipelines and facilitating efficient stakeholder interactions for rapid problem analysis and decision making. As a result, companies now have the ability to capture and repeat successful processes while continuing to analyze areas for improvement.

The Enterprise Project Management solution integrates the following sub-processes:

- Project Planning and Scheduling
- Resources Allocation and Management
- Financial Analysis
- Risk Management
- Project Knowledge Capitalization
- Project Deliverable Tracking
- Critical to Quality (CTQ)

The Enterprise Project Management solution is supported by the following products:

- ENOVIA® 3DLive
- ENOVIA® Program Central™
- ENOVIA® Program Experience
- ENOVIA® Live Collaboration
- ENOVIA® Live Collaboration for Workgroup

IBM Corporation
Software Group
Route 100
Somers
NY 10589
USA

The IBM home page can be found at www.ibm.com

IBM and the IBM logo are registered trademarks of International Business Machines Corporation registered in many jurisdictions worldwide. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

ENOVIA logo is a registered trademark of Dassault Systèmes or its subsidiaries in the US and/or other countries

Other company, product and service names may be trademarks, or service marks of others.

References in this publication to IBM products, programs or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program or service is not intended to imply that only IBM products, programs or services may be used. Any functionally equivalent product, program or service may be used instead.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may not be new and may have been previously installed. Regardless, IBM warranty terms apply.

This publication is for general guidance only. Information is subject to change without notice.

Please contact your local IBM sales office or reseller for latest information on IBM products and services.

Photographs may show design models.
© Copyright IBM Corporation 2009. All Rights Reserved.

For more information contact your IBM Representative,
IBM Business Partner, or visit the IBM PLM Web site at:

ibm.com/software/plm