IBM—the PLM leader

The IBM PLM value proposition is built on a foundation of decades of world-class IBM technology expertise, supported by thousands of IBM engineers and developers in 40 different countries, and eight US national medals of technology. This expertise is valued across the globe, and has enabled us to develop links with business partners that continue to evolve and improve the value we can add for our clients.

IBM and Dassault Systèmes

Through a strategic relationship spanning more than 25 years, IBM has implemented and supports Dassault Systèmes software applications such as CATIA, DELMIA, ENOVIA (including ENOVIA VPLM, ENOVIA MatrixOne and ENOVIA SmarTeam) and 3DLive within more than 20,000 clients worldwide.

An unrivalled commitment

Our unmatched annual investment in Research & Development—the key to innovation—stands at approximately $5.5 billion. This is testament to our commitment to helping your organization succeed in a world of change. In 2006, IBM innovators contributed to 3,261 patents awarded to IBM—an average of 10 patents a day. United States Patent and Trademark Office statistics show that IBM has generated more patents than any other company for 14 consecutive years.

A world-class manufacturer

IBM possesses deep industry experience and knowledge of the challenges you face. As a primary user of PLM, we understand your business processes and have the support of a global team of engineers to help tackle your real world issues—and keep you ahead of your competition.

Breadth of offerings

We can impartially recommend PLM offerings to suit your organization, and employ and integrate the solution within your extended enterprise. Our global presence allows us to help you become a globally integrated enterprise no matter where your plants, suppliers or customers may exist.

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

ibm.com/solutions/plm

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IBM Product Lifecycle Management

High-tech industry

Accelerating market-driven innovation through integrated PLM solutions

Dassault Systèmes deliver advanced PLM solutions that help high-tech electronics companies streamline their processes—from idea generation to concept, development, sourcing, production and market support.

Emerging trends and new challenges

In today’s competitive business environment, electronics companies are under relentless pressure to provide mass volume of innovative and complex products in very short time cycles, at a reduced cost, and with the highest quality possible. Demand always increases in the same direction: for products that are smaller, lighter, cheaper, greener and embedding extremely fast changing and latest state-of-the-art technology. Moreover, the high-tech electronics value chain is geographically dispersed and highly disaggregated, which makes coordination of product development extremely difficult. Industry players are remarkably interdependent (cooperative competition is the rule). All need to master increasingly complex product development in mechatronics and share similar collaborative business processes for complex component supply management. Finally, the environmental concerns and the compliance to ever more stringent regulations require new advanced business process and traceability procedures.

Today, high-tech electronics companies must know how to incorporate new, innovative technologies in their products and quickly launch the next “must have” items. As the product, supply-chain and regulatory standards become more complex, the ability to sense what the market wants has to be coupled with major process improvements. IBM and Dassault Systèmes deliver integrated solutions that help high-tech electronics companies streamline their processes and remain competitive.

Highlights

- Design the entire system
- Take advantage of our Collaborative Mechatronics design solution
- Perform virtual product qualification
- Manage complexity
- Integrate regulatory
- Maximize production performance
- Use a single repository.
New product development and introduction
Drives and manages the introduction of new products to the market by tracking decisions from ideation to development and commercialization planning.

Portfolio management and technology platform
Manages product portfolios in a streamlined process based on a platform strategy, which links user requirements and product’s features, to enable diverse product configurations.

Enterprise project management
Plans and manages complex projects by accessing real-time to projects pipelines while facilitating efficient stakeholder interactions for rapid problem analysis and stage-gates decision making.

Issues and change management
Keeps reported problem integrity and accountability of changes required to fix the problem in a product’s lifecycle.

Cross functional BOM management
Handles cross-functional Bill of Materials (BOM) management from as-Designed, as-Manufactured, as-Planned to as-Built phase.

Collaborative systems engineering
Masters complex systems development from needs identification to final product validation with RFLP (requirement, functional, logical, and physical process) approach.

Manufacturing and operation management
Plans, simulates and optimizes production processes in a virtual world before the actual launch of production and commitment to capital investments.

Conceptual and creative design
Delivers virtual design experience that anticipates customer expectations to help design products that stand out from the competition.

Product housing and packaging engineering
Provides capabilities required by mold and die makers to optimize the entire process from bidding preparation to design and manufacturing of product housing/packaging parts.

Collaborative mechatronics engineering
Enables communication and collaboration across mechanical, electronic and software engineering disciplines for product design efficiency.

Electronic products simulation and validation
Assesses robustness and performance of product design and validates its compliance with requirements/specifications for rapid, efficient and right-to-market product development.

Supplier relationship management
Enables supplier collaboration and performance development through plans, scorecards and real-time access to product information, and leverages their innovation capabilities along the product lifecycle.

Component supplier management
Manages part development and drives strategic sourcing strategy to ensure component compliancy and enables ‘Design Anywhere, Manufacture Anywhere’ agility and savings.

Regulatory compliance
Manages material composition for make/buy components and assesses their compliance with global regulations such as RoHS, WEEE and others.