



Product development collaboration portal from IBM

Streamline product design and manufacturing

A product development collaboration portal from IBM enables tighter integration and collaboration of the design process within your organization and beyond so you can develop and deploy new and more innovative products in less time. Reduce development cycles with online data sharing. Drive supply chain efficiency with greater visibility. Increase the flexibility and control of your business operations.



Applications for faster product development

Our product development collaboration portal enables you to leverage existing PLM applications to share information across the enterprise and out to partners and suppliers. Portals provide role-based access to product data, pulling from enterprise applications and displaying a consistent, easy to navigate user experience. Depending on your unique needs we can incorporate collaborative online applications into your infrastructure, such as:

- PLM 3D visualization—enabling engineers to view product simulations online without the need for costly prototypes.
- Instant messaging—for faster communication among teams and across an extended global enterprise.
- Part search—providing one point of access to quickly locate parts from a central database.
- Calendar and scheduling—reducing administrative duties and facilitating time-saving options for daily tasks.
- Team rooms—an easy to access repository for sharing project information.
- Threaded discussions—reducing the necessity for filing and risk of lost data.
- People finder—enabling faster access to contact information when people are needed.

Streamline daily activities and promote innovation

Stimulate innovation that drives product design to meet the needs of your customers with the collection of the best ideas and latest information at the fingertips of your designers, engineers, project

managers and administrative staff. With a product development collaboration portal from IBM, you can manage activities and share confidential data within your organization and with partners and suppliers through instant messaging, e-mail, Web conferencing and more.

And by streamlining daily activities across your extended enterprise, you can increase productivity and speed product development.

- Search for product information from your computer without having to rummage through files or visit different project teams.
- Analyze information, use a single product definition and collaborate on development to reduce the number of product changes and iterations.
- Share 3D product designs online to speed development and reduce the number of expensive prototypes that must be developed.
- Enable virtual real-time collaboration to promote faster decision making and more innovative products. Share and record information through password-restricted team rooms.

Customers who have implemented an IBM product development collaboration portal have realized the following documented savings.

- 35% projected reduction in the design/engineering cycle
- Estimated development cost savings of 25%
- Automated, virtual real-time distribution of production documents to address changes and reduce errors

Share critical design information efficiently

With a product development collaboration portal from IBM, you can share critical design information in multi-CAD environments across the complete value chain. You and your partners can boost productivity and improve workflow by streamlining access to virtual real-time information, 3D designs and collaborative tools. Manage the product development process more effectively with visibility into program and project performance, including resource, schedule and cost impacts.

Open standards for flexibility and choice

IBM is committed to open industry standards that provide you with freedom of choice. Leading software providers and clients rely on us to increase the stability and flexibility of their PLM solutions.

- IBM has shown global patent leadership for 11 consecutive years, with over 25,000 U.S. patents earned.
- We received the Automotive Industry Action Group's (AIAG) Outstanding Achievement Award in 2005 for open standards leadership.
- IBM has over 31,000 PLM customers worldwide in a wide range of industries—including automotive, aerospace, industrial products, electronics and chemicals and petroleum.
- IBM has nearly 200 PLM business partner organizations based in 50 countries around the world and employing more than 2,000 qualified PLM professionals.

Promote a connected working environment

Provide a system that allows full collaboration in the development, management and distribution of intellectual property throughout the lifecycle, from conception through end of life. A product development collaboration portal from IBM enables companies and their partners to work together in virtual real time by utilizing online interactions, reviews, and design exchanges within a connected working community.

- Efficiently utilize PLM data, document management, workflows, Web conferencing and instant messaging online.
- Promote the sharing of data and ideas that can result in a faster time to market and an increase in overall product innovation.
- Increase productivity and streamline workflow with virtual real-time collaboration.
- Provide role-based access to product data across the enterprise and with partners and suppliers.
- Reduce the number of unnecessary exchanges with a single product definition and direct access to the virtual product.
- Enable suppliers to view needed information and validate the design before sending to the OEM.
- Capitalize on and reuse meeting information by sharing notes across the pipeline.

Interactive and accurate design reviews

A typical design review with product development collaboration portal from IBM would utilize an online conference to display a 3D view of the product model in a secured workspace. The leader would share a defined reference model with development partners across the Internet. Participants load the same model on their own computer screens and discuss alterations. The leader can manipulate the design, based on collaborative input from the extended team, and republish it for further discussion in a matter of seconds. Participants are notified to synchronize their viewpoint so they may view the updates, discuss additional necessary changes or accept the iteration.

Reduce development time and cost

A product development and collaboration portal from IBM is designed to enable you to dramatically reduce time to market and build more innovative products by integrating applications and adopting collaborative tools. We can help you:

- Design faster and smarter by allowing engineers to brain storm ideas and potential issues collaboratively.
- Avoid the expense of budget overruns by identifying and correcting manufacturing problems early in the design cycle.
- Decrease material spend with standardization and reuse of parts.
- Reduce time and cost by using virtual product models—rather than physical prototypes.

Single, transparent access to multiple data sources

Integrate a product development collaboration portal from IBM with your infrastructure to enable confidential data exchanges internally as well as between your business partners and suppliers. We can help you deploy Web-based collaboration that leverages your existing PLM applications while promoting the security and integrity of your infrastructure.

Why IBM?

We are committed to open industry standards that leverage your existing PLM applications.

- Our PLM solutions provide customers with a proven infrastructure, and a wide array of integration capabilities, including integration with legacy applications.
- IBM is actively involved in open ISO standards organizations and consortiums such as OASIS, PDES and ProSTEP for STEP application protocols and XML definitions.
- IBM PLM software tools can be readily configured and tailored to your unique needs and include digital mockup and

virtual modeling capabilities, which can help ensure flexibility and engineering efficiency.

Configured to meet your PLM needs

IBM Business Consulting Services can analyze your needs and customize the product development collaboration portal for your specific business requirements. It could include a combination of:

- IBM Workplace™ Software—promotes activity-based collaboration by integrating instant messaging, Web conferencing and customizable team spaces. It helps simplify your infrastructure and business processes while helping bring together team members.
- IBM WebSphere® Portal—helps you quickly build scalable portals to simplify and accelerate access to personalized information and applications. It offers role-based access and workflow orchestration to enable users to complete tasks quickly and make decisions faster.
- ENOVIA VPLM 3d com Web Navigator—provides capabilities to search, access and navigate through product development information across multiple data sources.
- ENOVIA VPLM Lifecycle Applications Navigator—allows access to, navigation of and reporting on intellectual property information, such as project, change management, and documents in the database.
- IBM Lotus® Sametime®—provides virtual real-time collaboration including chat, white boarding and application sharing capabilities.

We have integrated 3D XML technologies into IBM Workplace software and solutions as well as IBM Lotus Notes® and Domino®, to extend the power of 3D collaboration to everyone in your extended enterprise.

Viessman delivers information with WebSphere Portal

Viessman Group was established in 1917 and is one of the world's leading manufacturers of heating equipment. It operates 10 manufacturing facilities worldwide.

- Business need
 - One of the biggest challenges has been the internationalization and the ability of IT to service partners, suppliers and customers in these areas.
- Solution
 - A portal built on WebSphere Portal and Service-Oriented Architecture (SOA)
- Benefits

- With WebSphere Portal and its related SOA, it is now possible for Viessman to adapt to evolving market and environmental conditions much more quickly than before.

Ease your IT burden with portals

Portals provide a consistent user experience and, consequently, save money by helping IT departments avoid having to create many different presentation layers as you develop and deploy new applications. A product development collaboration portal from IBM is designed to:

- Enable the secure exchange of rich media information between internal and external business associates, while lowering development and support costs.
- Support company infrastructure and security with the integration of application servers.
- Integrate dissimilar platforms, data systems and processes to preserve existing investments.

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