

HP Product Lifecycle User Simulation (PLUS)

A solution brief from HP



Discover your Product Lifecycle Management solution before full implementation

Lower your risks and achieve successful results

Quality, speed, and efficiency are absolutely critical elements to generate revenue in today's manufacturing industry, and these marketplace pressures will continue to increase at a dramatic pace. You and your competitors fully understand that customer satisfaction and allegiance depend on fast delivery of innovative, affordable products—a fact of business that you continuously need to exploit.

This race against the clock and competition has compelled the most progressive and successful global manufacturing enterprises to embark on Product Lifecycle Management (PLM) initiatives: enhancing profitability via the sharing of intellectual assets with stakeholders in a collaborative and secure environment throughout a product's lifecycle. But realizing significant benefits from a PLM initiative is complex; clear vision and effective implementation of both the processes and technology are essential. In developing your PLM vision, you need to thoroughly assess the business requirements of stakeholders before you can mobilize the substantial resources needed to execute the solution.

HP has long been a leader in developing and providing PLM solutions to promote the type of collaboration among manufacturers, partners, suppliers, and customers that contributes to successful product development and fulfillment. As we integrated and executed our own worldwide new-product introduction environment, we realized the benefits of creating a simulated environment to test and refine our actual product design and development chain processes before full implementation. HP now offers the best of this solution as a packaged service called HP Product Lifecycle User Simulation (PLUS).

PLUS enables your select product development and support community to verify the effect and demonstrate the benefits of a PLM transformation before a wider rollout. With PLUS, you use your own company's as-is or to-be structure and process along with actual data to simulate what your product lifecycle environment will look like, how it will work, what kind of results you'll get—and how and where these results can help you accelerate your product development. Once created, the environment also becomes the development and launch vehicle for subsequent maintenance and upgrade releases.

PLUS simulates the integration of information and business processes

PLUS is an ongoing environment used to introduce and maintain new process and technology within a corporation or product development ecosystem. It can start as a workshop and tool that investigates and explores specific PLM situations, using and implementing product development and change-processes that represent actual locations and operations on a global basis. The PLUS environment helps you to explore implications of PLM deployment on your real-world tasks and operations from a people/process/technology perspective. A PLUS trial helps your entire user community by identifying issues and feedback to your implementation team before a wider rollout.

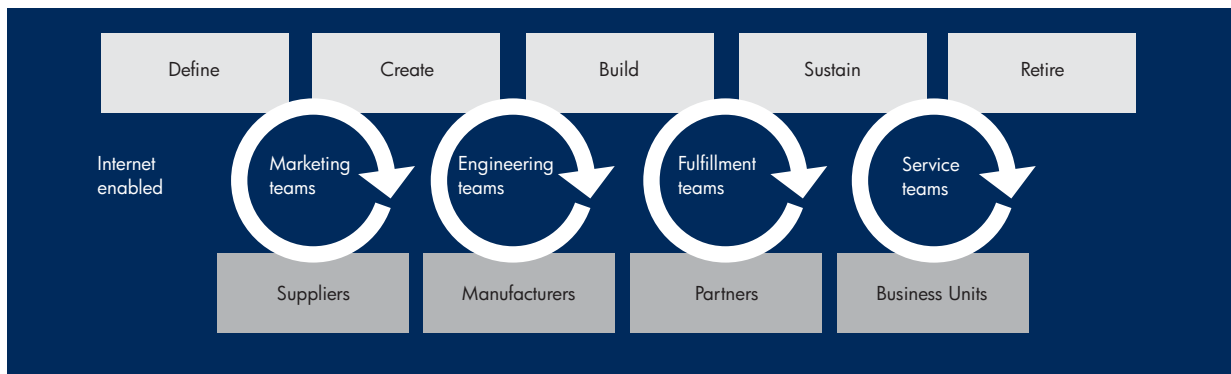
With PLUS, you can more easily:

- Enable your user community to test and react to processes in a scaled-down pilot rather than a full rollout
- Test your PLM environment and performance in a single implementation stream
- Establish a unified IT environment for your PLM deployment

How PLUS works

Once this environment is created, your PLM implementation team members—as well as identified thought leaders of your user community and managers—can use PLUS to test new process and/or applications on real-world tasks and operations. This activity can take place in one physical location or be virtual, depending on team member locations.

As a starting point and an introduction to you, HP will share some of what we have learned during our own transformation. The session will provide a point of reference and insight into the challenges and opportunities in your current PLM deployment plan while serving as a valuable tool for learning and adaptation for CIOs, business managers, engineers, and design partners.



Your PLM implementation team members—as well as identified thought leaders and managers of your user community—can use this environment to test PLM system deployment on their real-world tasks and operations.

Then, in a half-day, hands-on session, you will see how a well-planned and professionally conducted user simulation can be a crucial and valuable step in implementing your own PLM environment. During this interactive session, you will learn and explore a variety of valuable skills, processes, and methodologies, including:

- Change management based on Configuration Management II (CMII) process for improving the accuracy of product information and distributing it through the supply chain. CMII is a process framework that handles all product definition data—including engineering data, product information, business forms, process sheets, inspection sheets, and capital expenditure requests.
- Management of CAD data and bills of material during an engineering change program.
- Multiple business processes from a single PLM instance.
- Value-chain collaboration with an HP worldwide product development team and their contractors.

HP's PLUS example gives you hands-on experience, creating a venue for first feedback for your program team.

Our introductory workshop scenario

A first HP reference workshop will consist of using the PLUS environment in the following elements:

Product Group (PG) lifecycle—Promote the product to the delivery state

- PG lifecycle/workflow
- Bill of information
- Visualization
- Collaboration via e-mail

Design Group (DG) lifecycle—Promote the product to the ready-for-manufacturing release state

- Accessing tasks via e-mail
- Viewing Microsoft® Excel files
- Managing software
- Ship hold override

CMII change faster response—Rapidly remove the ship hold

- Information searches
- CMII change process
- Viewing documents
- Modifying documents
- Creating an implementation plan
- Executing the implementation plan
- Communicating actions

Why HP PLUS?

HP has delivered hundreds of projects around the world in many different industries. Our goal is to help you derive the most from the knowledge that resides throughout your extended enterprise, and then apply that knowledge in a way that fully leverages the innovative content that goes into your products. Among total solutions technology providers, HP stands above the industry based on the following points:

- HP's own manufacturing experience and best practices
- A large portfolio of PLM solutions supported by partners, alliances, and HP's product lines and global service organization
- HP's scale and breadth of deployment to global customers

HP integrates business processes, application deployment, and agile IT infrastructures with best practices for global PLM deployment. HP is not only a large global manufacturer, but a key PLM solution provider as well—from new-product introduction to end of life. We have built a reliable history of consistent leadership in price/performance for systems, middleware, and PLM applications, along with deep technical and business partnerships with organizations that know PLM and the PLM environment.

HP's portfolio of customer projects prove the ability to successfully leverage our solutions that address business-process consulting, applications deployment, management, and superior IT infrastructure solutions. We offer excellent availability of global deployment resources, with hundreds of PLM service specialists in regional expertise centers—as well as Global Delivery Centers in India and China.

Once you have seen how PLUS works from HP's environment, our consultants can encapsulate your "as-is" or "to-be" process, running in your chosen or envisaged applications. Your personal PLUS environment is then used to refine, optimize, and enhance your management of change activities to prepare the organization for enhanced environment deployment. Following deployment, any feedback from users and vendors can be captured and addressed in your next version of PLUS to again create a smooth deployment of the next maintenance release, in a continually improving product development ecosystem, bringing the highest quality of innovative product to market faster.

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