



Defense logistics solution from HP and Siemens PLM Software

Aerospace and defense manufacturing

Maximize the effectiveness of performance-based logistics programs

Improve the execution and effectiveness of your performance-based logistics (PBL) contracts with a combination of HP Enterprise Services' (HPES) logistics capabilities and Siemens product lifecycle management (PLM) technology. HPES and Siemens PLM Software developed a best-of-the-best Defense Logistics Solution that combines HPES' aerospace and defense experience and global IT services with Siemens' industry-leading Teamcenter® software.

World-class services and best-in-class software

Aging aircraft, rising costs and shrinking defense budgets are driving an increased number of PBL contracts around the world. These contract types have inherent risks due to penalties, regulatory compliance and protection of proprietary information. Up-to-date and accurate information is critical to reliably manage and execute these contracts.

The Defense Logistics Solution jointly offered by HPES and Siemens PLM Software enables aerospace and defense OEMs, suppliers and defense services/agencies to significantly reduce the time, risk and expense associated with fulfilling defense logistics and PBL contracts. HPES delivers the logistics and A&D experience, local presence and IT solutions needed to integrate the people, systems and processes required to rapidly deliver a strategically effective PBL solution.

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Capabilities

The solution will vary depending on the customer's program requirements and strategic objectives, but the following are the core capabilities:

- PBL support for contract administration and management, PBL-based decision support/risk management, and MRO process management
- PLM support for a full lifecycle knowledge management/process management environment, sustainment application solutions and controlled data exchange/configuration management capabilities
- Country logistics support for supply chain management and integration, industrial participation management, and small/medium business engineering
- Security support for security regulation/privacy policy compliance, approved ITAR process administration and intellectual property management
- IT services for IT management/hosting, application implementation/management, content management of technical publication, training, customization and second-level support

At the core of the IT solution is a digital information backbone delivered on Siemens PLM Software's Teamcenter suite of digital lifecycle management solutions. Teamcenter enables OEMs or systems integrators to establish a single source they, the defense services/agencies and the service organizations that support them can use to support, sustain and maximize the operational usage of complex capital assets.

Achieve measurable business results

Improve product quality – Follow product configurations into the service stage of the product lifecycle, track product/part performance and capture feedback to improve next-generation products. With these capabilities, OEMs and suppliers can leverage their product knowledge in superior sustainment capabilities.

Improve service – Gain the full range of configuration and operational knowledge from a single source. Leverage the solution's rules and roles to protect and deliver the most current operational information available and extend the service value chain to remote or outsourced service activity. Improve organization and asset performance through the capture, analysis and reporting of key metrics.

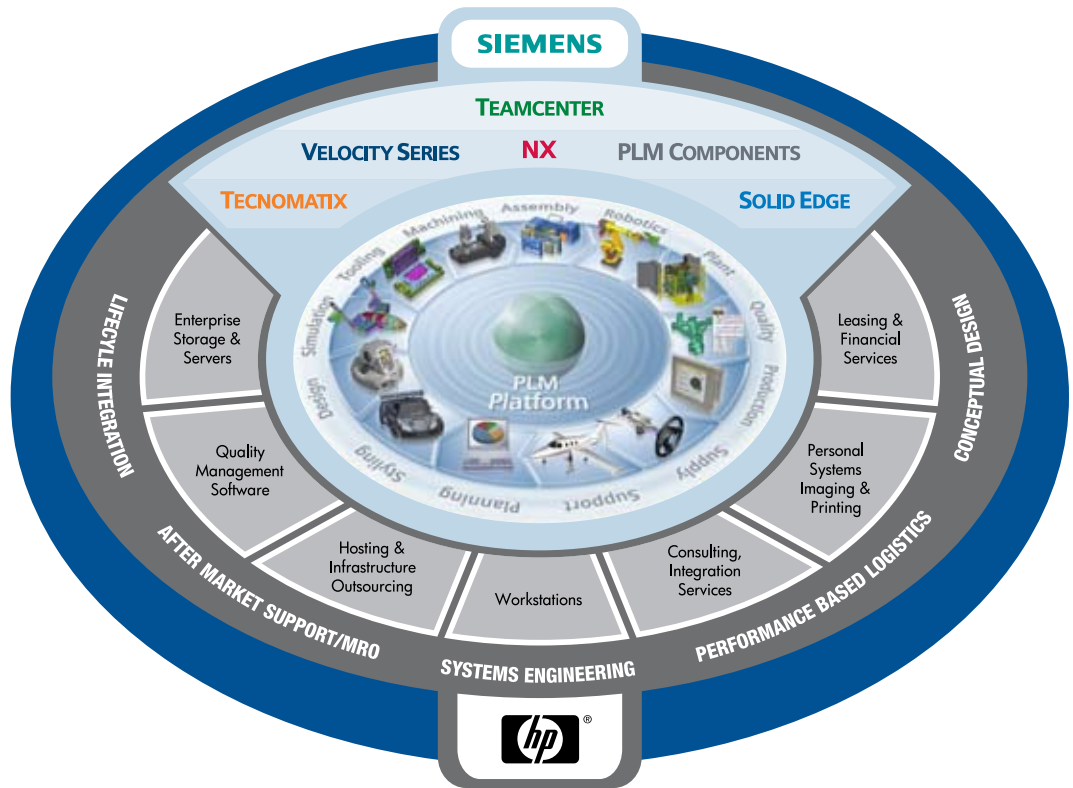
Improve change and configuration management – Reduce errors and delays with complete knowledge and process management—from product ideation through service and support. Integrate change and configuration management across the product lifecycle, and enable product and service teams to analyze change impact and incorporate changes into verified product definitions and asset configurations.

Gain global support – With a presence in more than 65 countries around the world, we have a large footprint for you to draw upon. Leverage people and technology across the world and provide your sustainment teams with secure web access to the latest, most accurate asset information, thereby improving organizational productivity and performance. The solution meets today's time-critical information demands, while supporting compliance initiatives.

Drive industrial participation – The solution leverages configuration knowledge and local supply chain management resource to implement, drive and monitor planned industrial participation programs. In-country teams can use the solution to identify local manufacturing candidates who provide relevant parts and support a comprehensive procurement process. The solution will also provide additional industrial participation, including in-country components such as people, IT resources and facilities.

Benefits

- Increases operational readiness by providing access to current operational asset knowledge, as well as current material, asset and configuration status
- Facilitates better asset use and maintenance planning by providing access to accurate life characteristic status at the system and component levels
- Enables a design-for-service strategy that lowers lifecycle cost by providing next-generation products with full lifecycle feedback across design, manufacturing, logistics and sustainment organizations
- Improves asset and material management, cost and availability via advanced configuration management capabilities that identify the configuration, usage and status of each asset in its current operational and inventory states
- Improves OEM and defense force performance and reduces risks by enabling PBL-critical metrics and KPIs to be captured, analyzed and reported
- Improves export control and intellectual property protection by providing a single source of knowledge that includes embedded processes and an enforceable security model



Value of the Defense Logistics Solution

- When all of the capabilities of the Defense Logistics Solution are fully utilized, companies can establish a PBL center of excellence (COE) to support their strategic sustainment objectives. They can also leverage the strengths of the enterprises and countries involved in this initiative to deliver a repeatable PBL solution.
- The COE provides services to establish, manage and continue PBL processes, and its Teamcenter-based source of asset knowledge supports these processes. The COE also supports the drive for industrial participation credits and maintenance productivity to increase margins and lower business risk.
- The total visibility the solution provides enables sustainment and logistics teams to evaluate the impacts of proposed asset configuration and supply

chain changes. Teams can capture their global and local event-related service experiences in Teamcenter and use its workflow capabilities to feed these experiences to engineering, manufacturing, logistics and service teams in closed loops that facilitate both product and service improvement.

- This level of service data management enables OEMs and defense forces to bridge the gap between product engineering, manufacturing and logistics, transitioning vital data to internal and external service and support organizations.
- Dashboards and reports provide metrics and facilitate analyses to track key performance indicators for parts, assets, processes and suppliers. These dashboards enable managers to monitor and successfully execute PBL contracts

Features

- Asset and component histories
- Deviations, waivers, variants and problem reports
- Change management and impact analysis across fully integrated lifecycles
- Process automation and notification
- Material and inventory management for parts, tools, equipment
- Maintenance planning and execution
- Technical publication management (content management, authoring, publishing)
- ITAR support for export control compliance
- Configuration validation for compliance to approved configurations
- Ability to capture and manage metrics, leverage dashboards and issue KPI reports on product, asset, and process performance

Today's opportunity and the role of the Defense Logistic Solution

PBL gives OEMs the opportunity to capture new revenue and improve their margins if they are able to meet contractual obligations for asset availability, reliability and industrial participation. OEMs can do this by using knowledge management technology and establishing streamlined processes to support their goals for better asset reliability, availability and utilization.

OEMs and/or system integrators develop vast amounts of engineering data during the early stages of system design, logistics and manufacturing—information that is vital to intelligently support the system during its operational life. Defense forces have an equally valuable collection of knowledge about the operational life of these assets.

You can achieve significant gains by structuring this knowledge to improve its visibility to key stakeholders throughout the sustainment value chain. Integrating it into an A&D ecosystem will improve the performance of the service organization and the underlying asset. The Defense Logistics Solution from HPES and Siemens PLM Software enables OEMs and defense forces to establish an A&D ecosystem that excels at knowledge and process management—thereby maximizing PBL program effectiveness.

Technology for better business outcomes

To learn more, visit www.hp.com
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