



Deloitte Product Lifecycle  
Management (DPLM)  
Pre-Configured Solution  
Accelerate PLM business  
transformation



# Product Lifecycle Management (PLM) Transformation

When business leaders across industries are asked what it takes to stay ahead of the competition, they often say that stronger, more effective, and cohesive management across specific areas, such as product development, manufacturing, finance, and technology. However, many manufacturers whose solutions date back several years are unable to keep up with process and technological advancements and often their product development processes and information are managed within silos. As a result, their processes and systems are likely strained and management struggles to deliver on goals. Instead of changing the game, they feel like they are behind the ball — they are losing out on engineering efficiency, speed, and flexibility that could make an impact on improving their bottom line.

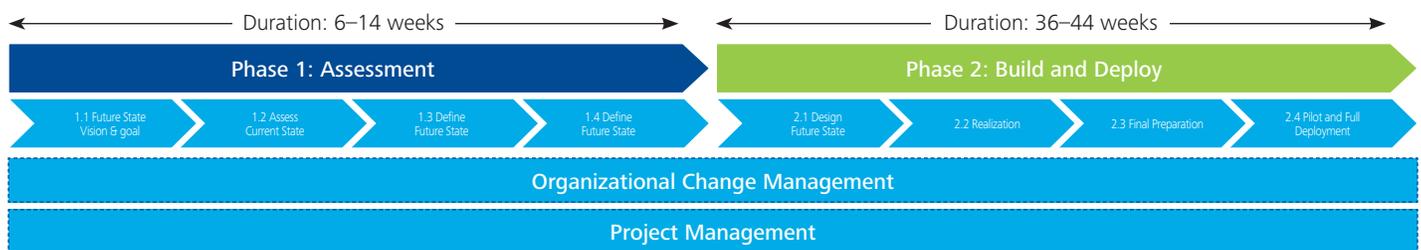
In order to innovate, structure, and manage product development information more effectively, many organizations are exploring the use of PLM technologies. Some organizations are hesitant to undertake this transformation because of the complexity, the pitfalls and

unknowns, and the costs involved. It means committing resources and stretching them to yet another long-term project, while trying to keep the business humming along.

An alternative approach is to use a preconfigured solution. Deloitte can offer such a solution called DPLM — the DPLM Pre-Configured Solution can help companies to accelerate their PLM transformation.

## Deloitte's PLM transformation approach

Deloitte has a two-phase approach to enable client's PLM transformation. In the assessment phase, we help clients build the PLM vision, assess current state, define future state, help identify improvement opportunities, and build a multiyear PLM roadmap and business case. The business case drives executive buy-in on implementation and lays the foundation for the deployment phase. We have developed strategic tools for the assessment phase and developed DPLM that can help enable clients to deploy Teamcenter in a cost-effective and efficient manner.



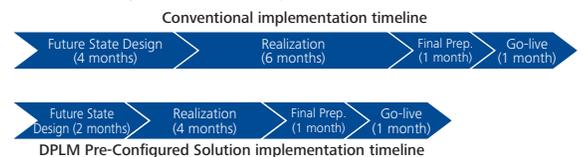
## Benefits of DPLM

Implementing Teamcenter using DPLM solution can provide potential tangible benefits to you:

- 30%–60% reduction in implementation timeline
- 30%–50% saving in implementation cost
- 10%–20% improvement in engineering efficiency

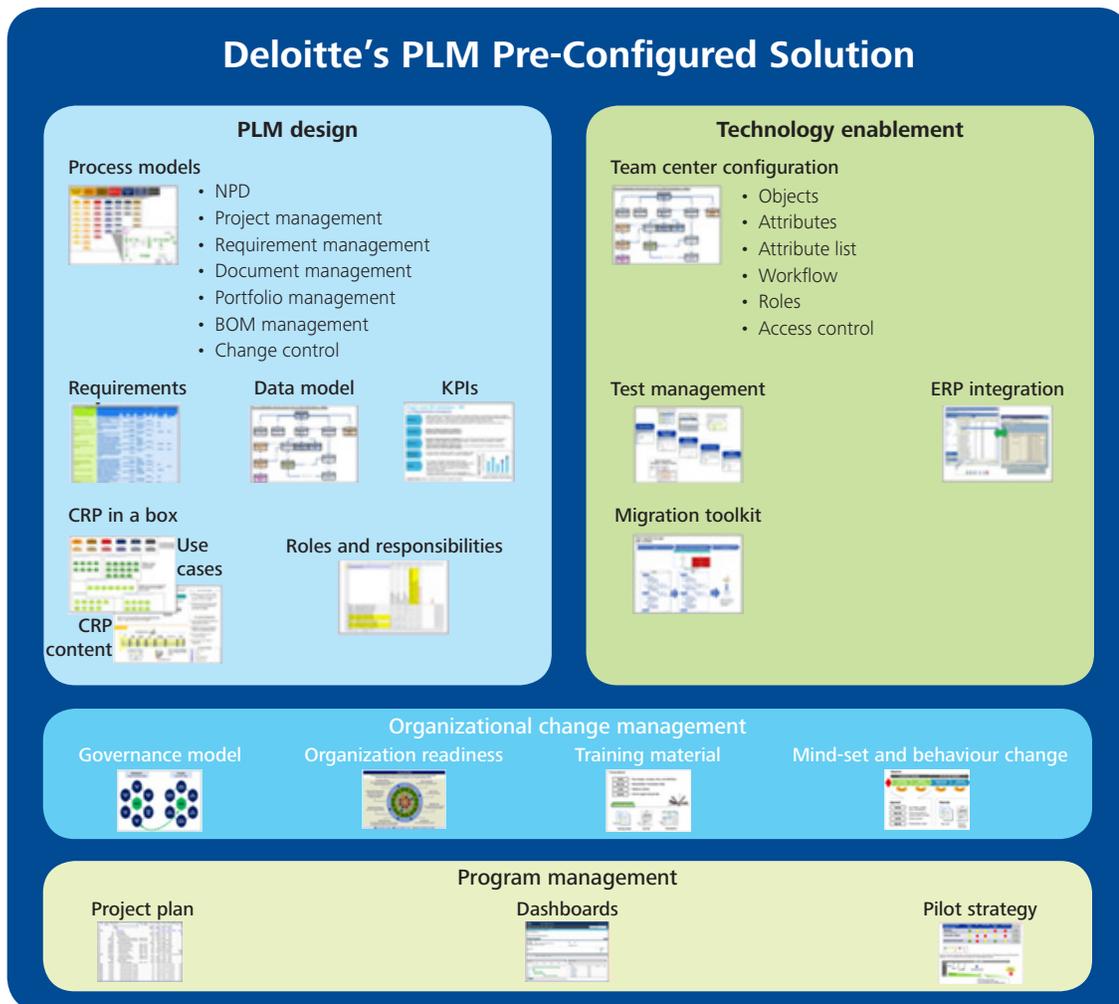
Other potential benefits from DPLM:

- Improve engineering effectiveness and quality of solution
- Increase adoption of leading practice enriched process design
- Enforce process standardization across the enterprise
- Provide better information flow across the product value chain
- Improve ability to focus on continuous improvement by monitoring performance metrics
- Enable the use of Teamcenter's full functionality



# DPLM Pre-Configured Solution

DPLM is an “out-of-the-box” Pre-Configured Solution which is based on Teamcenter and leverages Deloitte’s deep experience in lean engineering-focused process design, technology enablement, organizational change, and program management.

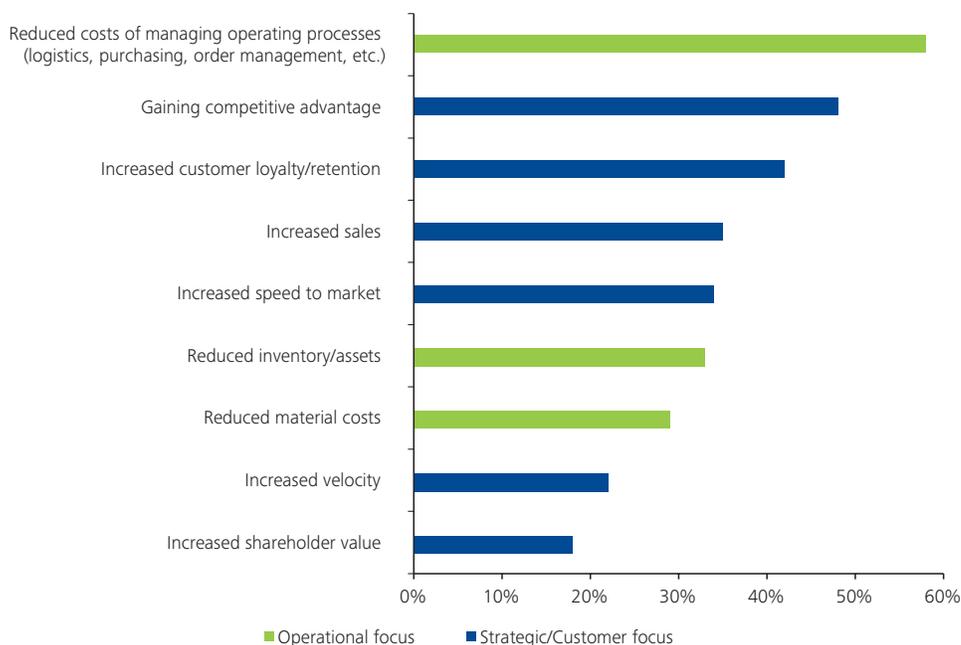


## Specific elements of DPLM include:

- Capability maturity model
- Predefined processes — new product development (NPD), project management, requirement management, change control, bill of material (BOM) management, design for x, and document management
- Business and functional requirements
- Use cases
- Conference Room Pilot (CRP) material
- Key performance indicators (KPIs)
- Data model design — objects, attributes, attribute list, and workflows
- Roles and responsibility
- Enterprise resource planning (ERP) integration
- Test cases and scripts
- Data model definition tool
- Proposed governance model
- Organization readiness template
- Training material template and curriculum
- High-level project plan

# PLM benefits

Deloitte has helped enable its client to realize the “real” benefits from PLM by improving efficiency, reducing waste, and improving profitability.



## Improve efficiency

R&D productivity increase	20%–30%
Time-to-market reduction	25%–75%
Data access time reduction	20%–80%
Manual data entry reduction	66%–77%
Part reuse increase	2%–18%
Reduced change orders	15%–45%

## Improve profitability

R&D productivity increase	20%–30%
Time-to-market reduction	25%–75%
Data access time reduction	20%–80%
Manual data entry reduction	66%–77%
Part re-use increase	2%–18%
Reduced change orders	15%–45%

## Reduce waste

Change-order time reduction	40%–60%
Bill of material accuracy increase	85%
Rework and scrap reduction	15%
Obsolete inventory reduction	8%–10%
Engineering change order volume reduction	25%
Process adherence increase	300%
Reduce tooling spend	10%–15%
Nonrecurring engineering	20%–60%
Warranty reduction	10%–15%
Sun-setting IT systems	

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## Getting more from PLM

PLM business transformation is a major commitment regardless of how small or large a change you are making. Here are a few things we have learned that can help:

**Focus on catalysts.** Approaches like DPLM can be tailored to specific business processes and designed to have the capacity to accelerate performance.

**Get leaner and smarter.** Take the time to look at how you can better streamline your processes to achieve effective and efficient worker performance and improve productivity.

**Stay on target.** DPLM can help reduce implementation time and costs and help drive value for your business.

**Invest in an out-of-the-box solution.** DPLM can be adapted to fit your company’s requirements, saving you time and money in the long run.

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