PLM Road Map™ & PDT EMEA 2026

AI in PLM: A Disruptive Opportunity and Challenge

Turning AI disruption into enterprise value:
Strategic insights for the PLM professional

CIMdata

4-5 November 2026

www.CIMdata.com

PLM Road Map & PDT EMEA 2026

AI-Powered PLM:
Connecting the Engineering Lifecycle for Enterprise Value

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AI Can Accelerate PLM. But Can You Turn That Speed into Business Value?

AMCBRIDGE

PLM extensions
Deliver tailored capabilities faster

System integrations
Connect PLM with engineering and enterprise systems

Workflow automation
Reduce manual effort across lifecycle processes

Engineering data access
Help teams find and use information more effectively

Faster development creates opportunity.

Enterprise implementation creates value.

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AI Initiatives Fail to Scale in Engineering Environments

Business Issue: Engineering and manufacturing data locked in silos, with no reuse across projects

Enterprises invest in AI, but many initiatives never progress beyond pilot stage.

Data trapped in disconnected silos
CAD files, PDFs, emails, and spreadsheets, with no single source of truth

AI initiatives are built on poor-quality data
Incomplete, inconsistent, or unstructured data limits AI effectiveness

AI pilots succeed in isolation
But fail to integrate with operational CAD, PLM, and ERP environments

Lack of AI governance and oversight
IP exposure, compliance concerns, and unreliable outputs limit adoption

Low trust in AI-generated outputs
Engineers do not adopt tools they cannot validate

Each team runs its own experiment
No shared infrastructure or reusable models

We ran 6 AI pilots in 2 years. None made it to production.



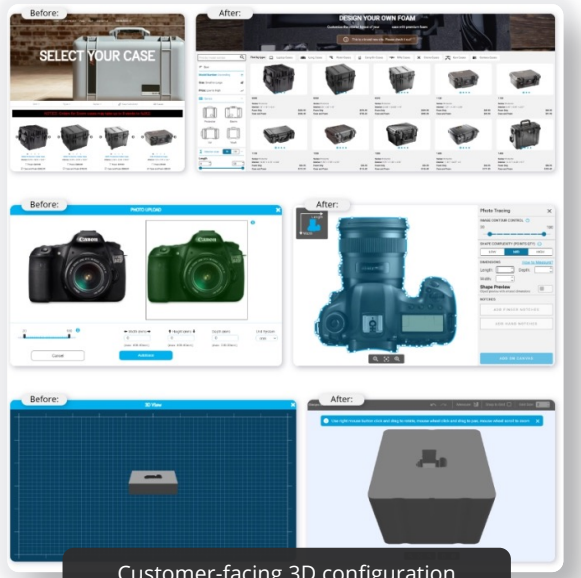
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AI and 3D Embedded in a Revenue-Critical Workflow

CLIENT EXAMPLE

PELICAN™

A high-performing, web-based solution that revitalized client's custom packaging service that positioned Pelican Foam as a leader in custom protective solutions.



Customer-facing 3D configuration

Business Success Deliverables

01 **Modern 3D experience**
Replaced the legacy editor with an intuitive web application and real-time 3D previews.

02 **Design automation**
Design algorithms supported precise, manufacturable custom foam layouts.

03 **Connected operations**
Integrated backend, order-processing, manufacturing, and third-party systems.

04 **Expanded offering**
Grew from 75 to 102 case models and from 2 to 8 foam materials.

2× annual revenue in two years | **90%** positive user feedback

Read the published case study

Business Impact:
Expanded product choice, streamlined operations, and reduced time to delivery.

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Can You Connect the Full Engineering Lifecycle?

PLM delivers enterprise value when product data and decisions flow across the full engineering lifecycle.



DATA | WORKFLOWS | INTEGRATIONS | MULTI-VENDOR ARCHITECTURE

The result: faster decisions, greater visibility, and more efficient execution.

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Disconnected Product Data Across Design, Manufacturing, and Service

Business Issue: Product development and manufacturing environment complexity

Product data remains scattered across files, systems, and people's knowledge, preventing a consistent flow of information across the lifecycle.

Design changes don't propagate to manufacturing
Changes rarely reach manufacturing, QA, or suppliers automatically

No traceability across the lifecycle
Impossible to answer what changed, when, why, and who approved it

Manual handoffs between engineering and manufacturing
Every stage re-enters data by hand, adding delay and risk of error

Multiple CAD and PLM tools, one product
Global, multi-site programs run different systems with no shared source of truth

Scaling breaks informal processes
New product lines or geographies expose gaps that used to be papered over

Compliance and audit trails take weeks
Regulated programs struggle to reconstruct a defensible design history quickly

We found out about a design change from a supplier complaint — three weeks after it shipped.

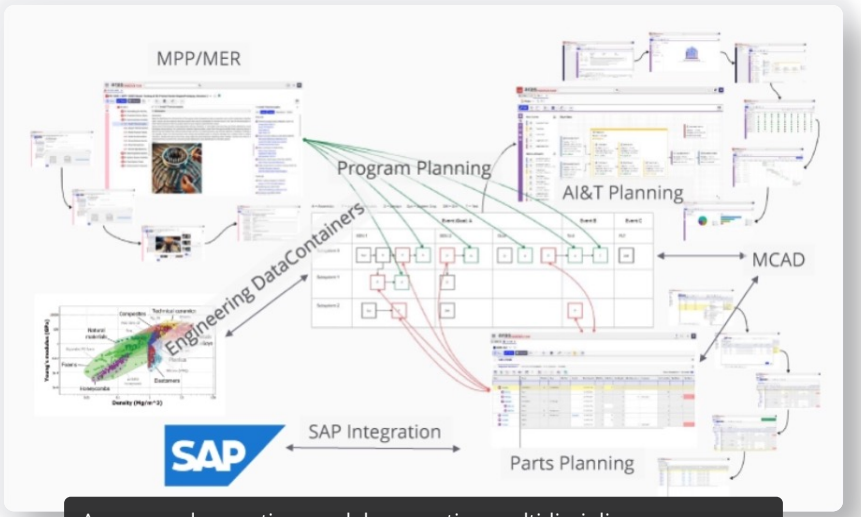


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Systems Engineering–Driven Digital Thread

CLIENT EXAMPLE

Federally funded R&D organization



A governed execution model connecting multidisciplinary engineering work across the lifecycle

Business Impact:
Single governed digital thread improved traceability, cross-discipline coordination, and build-and-test readiness.

Business Success Deliverables

01 **End-to-end traceability**
Connected requirements, design, verification, and validation across disciplines.

02 **System-of-systems execution**
Extended Aras beyond standard PLM to support multidisciplinary engineering.

03 **Integrated engineering data**
Established bi-directional connections across CAD, CAE, ERP, and MES.

04 **Reusable engineering knowledge**
Governed planning and AI&T workflows captured knowledge for repeatable use.

20–40% shorter development cycles | **20–40%** fewer change-related defects

Benchmark-based value potential, not a reported client result.

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Engineering Software Expertise Trusted by Industry Leaders

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Clients and Partners:



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Business Value Across the Engineering Lifecycle

Accelerate engineering decisions

Connect information across PLM, CAD, ALM, manufacturing, and testing

Improve lifecycle visibility

Provide traceability across disciplines, teams, and systems

Unlock engineering knowledge

Give broader access to product information and expertise

Continue the conversation:



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AMC Bridge is a trusted software technology partner for engineering, manufacturing, and construction enterprises, whether they are actively pursuing AI-driven digital transformation or only beginning to recognize its potential. We help organizations to move beyond experimentation and achieve consistent ROI by delivering production-ready software and end-to-end solutions for their transformation journey.

We design, build, and integrate enterprise-grade software – applications, workflow extensions for CAD/PLM/BIM, data integrations, AI-enabled features – and deploy them with monitoring and lifecycle management so they remain reliable over time. Our services include assessing data readiness; preparing and unifying product and project data; and embedding AI into the workflows teams use every day. With 25+ years of industrial software expertise and deep ecosystem partnerships, including Aras, Autodesk, Bentley, Dassault Systèmes, PTC, Siemens, Tech Soft 3D, and others, we empower enterprises to move confidently from experimentation to operational AI at scale.

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