

CZI

Engineering Pulse

Midyear insights for
PLM, AI, Cloud & Digital Engineering

THE CONNECTED ENGINEERING ISSUE

Reading the pulse of modern engineering.

Where PLM, enterprise data, AI and cloud
converge into one connected system —
and shape the decisions that
move the business forward.



ARTIFICIAL INTELLIGENCE

Why AI without
engineering data
will fail



PRODUCT LIFECYCLE

The next evolution of
product lifecycle
management



ENTERPRISE ARCHITECTURE

Building connected
engineering
enterprises

Editorial

- The Convergence Era:
PLM, AI, Cloud & Data
 - Engineering Intelligence
as a Growth Multiplier
 - From Complexity to Clarity:
Modernizing with Purpose
 - Global Perspectives,
Local Impact
 - Building the Future of
Engineering—Together
-

EDITORIAL

Welcome to the Inaugural edition of Cloudzen Innovations



For decades, manufacturers have invested in digital technologies to improve product development, streamline engineering operations and connect with global teams. While significant progress has been made, many organizations continue to face familiar challenges — fragmented engineering data, disconnected enterprise systems, complex product lifecycles, and pressure to deliver innovation faster without compromising quality or compliance.

Today, the conversation is evolving beyond digital transformation. A new era is emerging — one defined by **Engineering Intelligence**: the point where AI, PLM, cloud-native platforms, digital engineering and modern data architectures stop being independent initiatives and become the foundation of a connected engineering ecosystem, where product information flows seamlessly across design, manufacturing, supply chain and service.

This first edition helps engineering leaders, technology executives and enterprise architects navigate this changing landscape — with a primary focus on Europe, particularly Germany and the Netherlands, alongside developments across the United States and India — exploring not technology in isolation, but the business impact of engineering modernization.

Every quarter, this publication combines independent market research, industry analysis and practical engineering insight — helping organizations turn connected engineering into measurable business outcomes.

THE MARKET AT A GLANCE

\$50B

global PLM
market, 2026

Source: Market Research Future

92%

of manufacturers
prioritise DX

Source: Deloitte, 2025

80%

digital threads
from PLM
by 2028

Source: Gartner, 2025

\$617B

global AI
market, 2025

Source: Statista, 2025

“

*A new era is emerging —
one defined by Engineering Intelligence.”*

PLM Evolution Timeline

From documents to autonomy, the PLM journey continues to redefine how products are imagined, engineered, and delivered.



ENGINEERING INTELLIGENCE

Global Engineering Landscape.

The trends shaping engineering leaders across Europe, the United States and India — drawn from leading analysts, technology providers and CloudZen's market observations.

EXECUTIVE DASHBOARD • UNITED STATES



of manufacturing executives plan to allocate 20% or more of their improvement budgets to smart manufacturing initiatives.



of industrial manufacturers report AI use cases already delivering measurable business value,



expect AI to be deployed at scale within the next year.



of backend developers now work in standardized DevOps or platform engineering environments, highlighting the shift toward platform-based software delivery.

GLOBAL ENGINEERING LANDSCAPE



PLM



AI



CLOUD



DATA

DIGITAL
THREAD

REGIONAL FOCUS



United States

- 80% of manufacturing executives plan to allocate 20% or more of their improvement budgets to smart manufacturing initiatives.
- 49% of industrial manufacturers report AI use cases already delivering measurable business value, while 68% expect AI to be deployed at scale within the next year.
- 88% of backend developers now work in standardized DevOps or platform engineering environments, highlighting the shift toward platform-based software delivery.



Europe (Germany & Netherlands)

- Continued investment in Industry 4.0 initiatives
- Increasing adoption of AI-assisted engineering
- Greater focus on Digital Product Passport (DPP) and sustainability compliance
- Strong demand for PLM modernization and cloud migration



India

- Emerging as a global hub for engineering, R&D, and digital innovation
- Home to 50%+ of the world's Global Capability Centers (GCCs), driving engineering transformation
- Rapidly growing demand for AI, PLM, cloud, and digital engineering expertise across industries
- Accelerating investments in engineering talent, sovereign AI infrastructure, and indigenous technology ecosystems



We're moving from Digital Transformation to Engineering Intelligence."

Global Engineering & Manufacturing Outlook

\$50B

Global PLM Market
2026–2030 CAGR ~8%

\$36.6B

Cloud PLM Market
Projected 2031

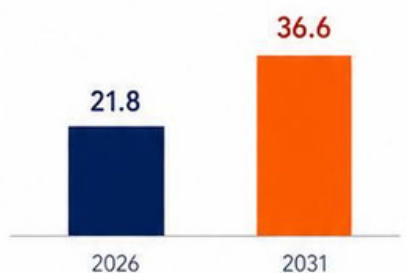
40%

German manufacturers
actively using AI

\$96B

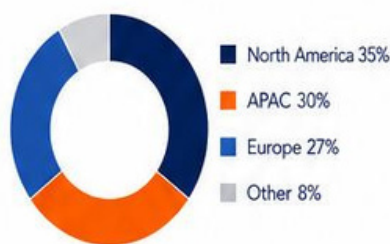
Industrial Cloud Market
2025

CLOUD PLM MARKET GROWTH · USD BN



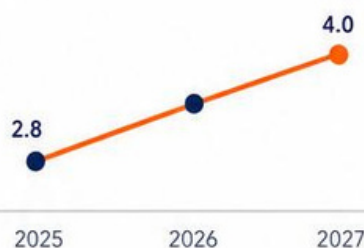
Cloud is the fastest-growing PLM segment — ~11% CAGR to 2031.

PLM MARKET BY REGION · 2025



North America leads; Europe and APAC follow closely behind.

DIGITAL TRANSFORMATION SPENDING · USD TN



Digital-transformation investment approaches US\$4 trillion by 2027.

“By 2028, nearly 80% of enterprise digital threads will originate from PLM platforms.”

Source: Gartner

REGIONAL PLM MARKET · 2025



49%

Siemens Digital Industries Software
Cloud ARR Growth
FY25 vs FY24

55%

Manufacturers deploying
Generative AI initiatives
2025

40%

German manufacturers
using AI
2025

THE DIGITAL THREAD



FEATURE INSIGHT

The Next Phase of Manufacturing Transformation

As AI, PLM, Cloud, and Data converge, manufacturing leaders have an opportunity to fundamentally rethink how products are designed, built, and supported.

“

Engineering Intelligence turns data into decisions, and decisions into competitive advantage.

THE MARKET AT A GLANCE

**\$50B**

global PLM market, 2026

Source: Market Research Future

**92%**

of manufacturers prioritize DX

Source: Deloitte, 2025

**80%**

digital threads from PLM by 2028

Source: Gartner, 2025

**\$617B**

global AI market, 2025

Source: Statista, 2025

WHY IT MATTERS



From Disconnected to Intelligent

The future belongs to manufacturers who connect systems, data, and people to create a seamless intelligent ecosystem.



From Data to Decisions

Engineering Intelligence empowers teams with real-time insights, enabling faster, smarter, and more confident decisions across the product lifecycle.



From Efficiency to Impact

It's not just about doing things better—it's about innovating faster, adapting smarter, and delivering greater value.

WHAT'S DRIVING THE SHIFT



Digital transformation is accelerating across the manufacturing value chain.



Engineers need connected data and intelligence, not more siloed tools.



Resilience, sustainability, and agility are now business-critical.



Cloud and AI are unlocking new levels of innovation and productivity.



Organizations that invest in Engineering Intelligence today will lead tomorrow.

“

A new era is emerging — one defined by Engineering Intelligence.



Outlook 2027

- Agentic AI Will Become the Engineering Operating Layer
- Engineering Knowledge Graphs Will Power the Digital Thread
- Platform Engineering Will Replace Traditional PLM Administration
- AI-Ready Product Data Will Become a Competitive Asset
- Autonomous Engineering Operations Will Become the New Standard

OUTLOOK 2027

The Next Frontier of Engineering

Five Shifts.

Infinite Impact.

By 2027, competitive advantage will belong to organizations that orchestrate AI, digital thread, cloud and autonomy into a unified engineering ecosystem.



01 Agentic AI Will Become the Engineering Operating Layer

Autonomous AI agents orchestrating end-to-end engineering workflows across PLM, CAD, ERP and beyond.



02 Engineering Knowledge Graphs Will Power the Digital Thread

A semantic engineering knowledge layer connecting people, processes and systems.



03 Platform Engineering Will Replace Traditional PLM Administration

Self-service, automated and governed engineering platforms – on demand.



04 AI-Ready Product Data Will Become a Competitive Asset

Trusted, contextual and machine-ready engineering data driving enterprise intelligence.



05 Autonomous Engineering Operations Will Become the New Standard

Self-optimizing, event-driven and AI-orchestrated engineering ecosystems.



From managing data to enabling continuous engineering intelligence.

AT A GLANCE



10X faster engineering decision cycles



Fully connected digital thread across the product lifecycle



Cloud-native platforms as the new operating model



Data products unlocking enterprise-scale AI



Autonomous operations becoming the industry norm



The future belongs to organizations that evolve from digitizing engineering to engineering intelligence.

LOOKING AHEAD



Industry leaders will no longer differentiate themselves through isolated implementations, but by building AI-native, cloud-native, data-centric engineering ecosystems that accelerate innovation at enterprise scale.

AI Outlook

PRACTICAL AI USE CASES TRANSFORMING
PRODUCT DEVELOPMENT AND
MANUFACTURING

AI is moving beyond experimentation. Manufacturers are deploying it across engineering, PLM and enterprise operations to accelerate innovation, improve quality and make better decisions — with trusted data.



AI ACROSS THE PRODUCT LIFECYCLE

-  **Product Planning**
Better investment decisions
-  **Product Design**
Faster engineering cycles
-  **Engineering Collaboration**
Reduced design duplication
-  **Change Management**
Faster engineering changes
-  **Manufacturing Planning**
Lower production costs
-  **Quality Management**
Reduced defects
-  **Service & Support**
Improved customer satisfaction
-  **Product End-of-Life**
Regulatory compliance

EXECUTIVE SUMMARY



Unlock the full value
of engineering data



Empower engineers
with intelligent tools



Create measurable
business impact

HIGH-IMPACT AI USE CASES



Engineering Copilot

AI assistant that helps engineers find documents, knowledge and insights instantly.



Intelligent BOM Analysis

AI detects duplicates, missing relationships and inconsistencies before release.



Engineering Change Intelligence

AI predicts downstream impacts and reduces engineering change cycle time.



Digital Knowledge Assistant

LLMs securely search engineering knowledge and deliver contextual answers.



Predictive Engineering Analytics

ML models identify risks, predict delays and improve engineering execution.

AI READINESS ASSESSMENT



ENGINEERING DATA

- ✓ Product data is accurate and governed
- ✓ BOM structures are standardized
- ✓ Engineering documentation is accessible



TECHNOLOGY LANDSCAPE

- ✓ PLM integrated with ERP and MES
- ✓ Cloud-enabled infrastructure
- ✓ Enterprise APIs available



GOVERNANCE

- ✓ Security and access controls
- ✓ AI governance policies
- ✓ Regulatory compliance
- ✓ Responsible AI framework

COMMON CHALLENGES

- ❗ Fragmented engineering data
- ❗ Legacy PLM environments
- ❗ Poor data quality
- ❗ Limited integration between enterprise systems
- ❗ Lack of AI governance
- ❗ Undefined business use cases
- ❗ Skills and change management gaps

Addressing these foundational issues is essential for successful AI adoption.

“

AI is not just automating tasks. It's **elevating** engineering, manufacturing, and supply chain performance.

KEY STATISTICS



of organizations are expected to operationalize AI in at least one business function by 2027.

Source: McKinsey



Engineering and product development are among the fastest-growing enterprise AI investment areas.

Source: Deloitte



Manufacturers with connected engineering data are significantly more likely to achieve successful AI deployments than those with siloed systems.

Source: Gartner



Generative AI is increasingly being used to enhance engineering productivity, documentation, software development, and technical support.

Source: Siemens

DIGITAL TRANSFORMATION BLUEPRINT

How Manufacturing Leaders Are Building Smarter Engineering Enterprises

Digital transformation is no longer driven by technology adoption alone. The highest-performing manufacturers are redesigning engineering, product development, data architecture, and AI capabilities simultaneously.

Organizations achieving measurable ROI treat Product Lifecycle Management (PLM), Cloud Platforms, Data Engineering, and Artificial Intelligence as one connected business capability—not isolated technology initiatives.



Executive Perspective



Many digital transformation initiatives fail because organizations modernize individual systems instead of modernizing engineering operations.



Replacing an old PLM system without improving engineering processes creates another legacy platform.



Deploying AI without governed engineering data produces inaccurate recommendations.

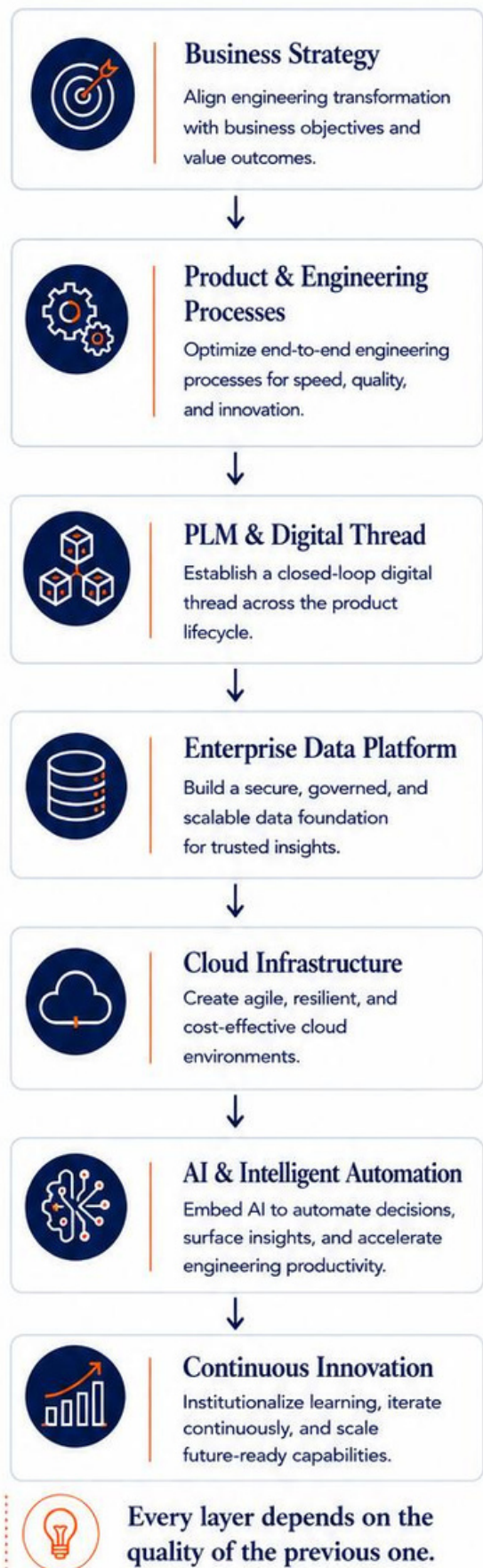


Migrating workloads to cloud without redesigning product development workflows increases infrastructure costs while limiting business impact.



Leading manufacturers instead follow an integrated transformation model.

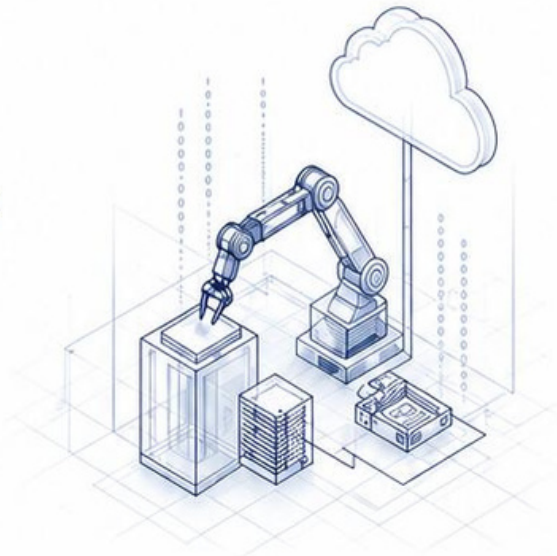
THE MODERN ENGINEERING TRANSFORMATION MODEL



ENGINEERING TRENDS TO WATCH

10 Technology Trends Redefining Engineering & Manufacturing in 2026

From AI-powered engineering to autonomous product development, these trends are transforming how global manufacturers design, build, and innovate.



Technology Readiness Matrix

Trend			Current Adoption	Expected Growth (2026–2028)	Strategic Priority
1		AI-Powered Engineering	High	Very High	★★★★★
2		Enterprise PLM	High	High	★★★★★
3		Digital Thread	Medium	Very High	★★★★★
4		Cloud Engineering	High	High	★★★★☆
5		Platform Engineering	Medium	High	★★★★☆
6		Data Engineering	High	Very High	★★★★★
7		Engineering Copilots	Medium	Very High	★★★★★
8		Sustainability & DPP	Medium	High	★★★★☆
9		Engineering Cybersecurity	Medium	High	★★★★☆
10		Intelligent Engineering	Emerging	Very High	★★★★★



CloudZen Perspective

The engineering organizations that will lead the next decade are those that treat PLM, AI, Cloud, Platform Engineering, and Data Engineering not as separate technology initiatives, but as interconnected capabilities within a unified Engineering Intelligence strategy. Success will depend on how effectively these technologies work together to support faster innovation, smarter decisions, and resilient product development.

Source: Gartner, IDC, Deloitte, Siemens, Statista, McKinsey, BCG.

The Dominant Tech Stack 2027

An integrated stack of technologies that powers intelligent, connected manufacturing enterprises.



Integrated. Scalable. Intelligent.

This technology stack brings together strategy, systems, data and intelligence to accelerate engineering innovation and deliver measurable business impact.



Engineering data flows when systems connect.
Intelligence flows when data is trusted.

About Cloudzen

- Engineering Intelligence.
For What's Next.
 - Our Mission, Vision
& Global Impact
 - What We Do
PLM, Cloud, Data & AI
 - Industries We Support
Across the Globe
 - Why Organizations
Choose Cloudzen
-

Cloudzen Expertise.

CloudZen empowers organizations to modernize engineering ecosystems and accelerate innovation through the convergence of PLM, AI, Cloud, and Data.



OUR MISSION

To help engineering-driven organizations build connected, intelligent, and scalable digital enterprises through modern PLM, Cloud, Data, and AI solutions.



OUR VISION

To become the trusted global engineering transformation partner for manufacturers seeking to modernize product development, improve engineering collaboration, and unlock business value through intelligent digital platforms.



2024

Founded in DE



100%

Focus on PLM portfolio



5

Countries around the globe



200+

Years of experience



4+

Partners

WHAT WE DO



PLM
(Product Lifecycle Management)

- Teamcenter Consulting
- PLM Strategy
- Enterprise PLM Architecture
- Teamcenter Implementation
- PLM Modernization
- PLM Integration
- Managed PLM Services



Cloud Engineering

- Cloud Strategy
- Cloud Migration
- Hybrid Cloud
- Platform Engineering
- Kubernetes Platforms
- Infrastructure Automation
- DevOps Enablement



Enterprise Data Engineering

- Data Platform Engineering
- Data Integration
- Enterprise Reporting
- Data Warehousing
- Data Migration
- Data Governance
- Modern Analytics



AI Advisory & Engineering Intelligence

- AI Strategy
- AI Readiness Assessment
- AI Governance
- Generative AI
- Responsible AI
- Engineering Copilots
- Enterprise AI Roadmaps

INDUSTRIES WE SUPPORT



Manufacturing



Automotive



Industrial Equipment



Medical Devices



High-Tech & Electronics



Aerospace & Defense



Energy & Utilities

WHY ORGANIZATIONS CHOOSE CLOUDZEN

- ✓ Deep Siemens Teamcenter expertise
- ✓ Engineering-first consulting approach
- ✓ Business-driven digital transformation
- ✓ Enterprise architecture capabilities
- ✓ Cloud, Data, AI, and PLM under one roof
- ✓ Global delivery model
- ✓ Long-term managed services
- ✓ Focus on measurable business outcomes

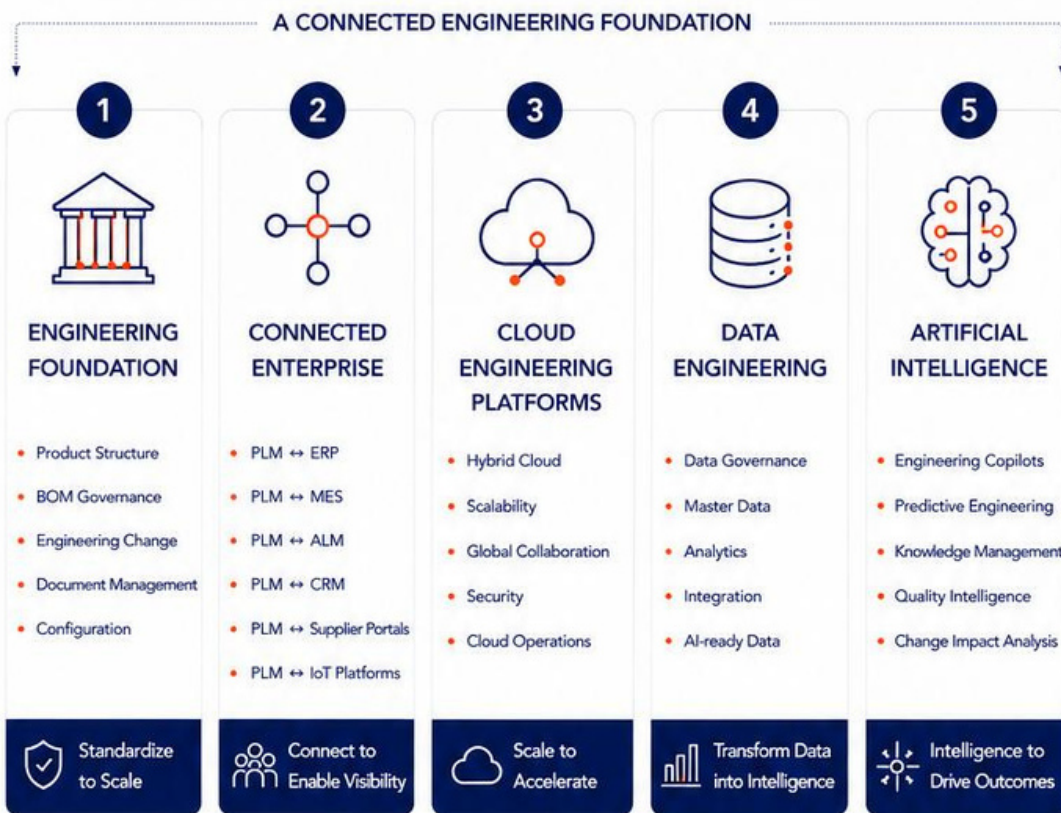
FIVE STRATEGIC PILLARS

Cloudzen's 5 Strategic Pillars

Five Strategic Pillars for Building
Connected Engineering Enterprises

“

Engineering transformation
succeeds only when organizations
build capabilities in the
right sequence.



Each pillar strengthens the next. Real transformation happens when they work as one.

ENGINEERING TRANSFORMATION CHECKLIST

- ☒ Enterprise Architecture Defined
- ☒ PLM Strategy well defined
- ☒ Data Governance Established
- ☒ Cloud Readiness Assessed
- ☒ Integration Roadmap Created
- ☒ AI Use Cases Prioritized
- ☒ Executive Sponsorship Secured
- ☒ Change Management Planned



COMMON TRANSFORMATION MISTAKES

- ☒ Migrating poor-quality engineering data
- ☒ Treating PLM as an IT project
- ☒ Lack of executive sponsorship
- ☒ Limited process standardization
- ☒ No enterprise architecture roadmap
- ☒ AI implementation before data governance
- ☒ Weak user adoption strategy



WHAT LEADING MANUFACTURERS DO DIFFERENTLY

- ☒ Establish enterprise architecture first
- ☒ Standardize engineering processes
- ☒ Build a governed data foundation
- ☒ Modernize PLM incrementally
- ☒ Integrate engineering with ERP and MES
- ☒ Introduce AI only after high-quality engineering data is available
- ☒ Measure business outcomes rather than software deployment milestones



SUCCESS STORY

Global Teamcenter Upgrade for Multi-Site Manufacturing

Modernizing Siemens Teamcenter while ensuring business continuity across Europe and Asia.



YEAR
2025–2026



USERS
400+



LOCATIONS
Belgium
China



INDUSTRY
Industrial Machinery
Manufacturing



PROJECT TEAM
3 Consultants



CHALLENGE

The client's Teamcenter environment had fallen several versions behind, with heavy customizations layered on top of an aging core. Belgium and China sites operated on inconsistent configurations, slowing cross-site collaboration and creating growing technical debt. A straightforward upgrade risked weeks of downtime across a live manufacturing operation with 400+ active engineering users, and any disruption to production data flow carried direct cost to the business.



SOLUTION

- 01 Phased migration sequencing Belgium and China independently to isolate risk and preserve continuity at each site.
- 02 Upgrade strategy built around a version-by-version path to the current Teamcenter release, avoiding a disruptive single leap.
- 03 Customization handling — auditing legacy code, retiring what was obsolete, and re-platforming what remained business-critical.
- 04 UAT run in parallel with production, validated by engineering, manufacturing, and IT stakeholders before cutover.
- 05 Deployment executed in scheduled windows with rollback checkpoints, keeping both sites operational throughout.



BUSINESS IMPACT

- ✓ Zero business disruption throughout the migration window
- ✓ Global rollout completed across two manufacturing regions
- ✓ Improved scalability to support future site onboarding
- ✓ Modern Teamcenter platform aligned to current release standards
- ✓ Reduced technical debt from legacy customizations

SUPPLY CHAIN COVERAGE

Plan

Source

Make

Deliver

Return

DOMAIN COVERAGE

Research

Product Engineering

Production Engineering

Product
Commercialization

Production

Operations & Service

Product Return

TECHNOLOGY

Siemens Teamcenter

NX

Simcenter

Navision

KEY HIGHLIGHTS

- ✓ Global rollout
- ✓ Version 2506
- ✓ Belgium + China
- ✓ 400+ users
- ✓ Minimal downtime

THE PEOPLE

The Brains behind CloudZen

“

Engineering transformation
succeeds only when the right
people build it in sequence.

The architects, strategists, and engineers who turn connected-engineering ambition into delivered outcomes.

**Ulhas Mahajan**

Managing Partner / PLM / Enterprise Architect

20 years orchestrating enterprise PLM ecosystems across engineering, manufacturing, and operations. Technical precision meets strategic foresight.

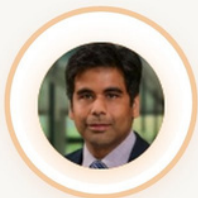
[LinkedIn](#)

**Thomas Gollmann**

Managing Partner / PLM / Solution Architect

12 years translating business challenges into scalable PLM and SAP architecture. Expert in enterprise-wide system integration.

[LinkedIn](#)

**Varun Bhatia**

Managing Partner / PLM / Solution Architect

20+ years of enterprise PLM and ERP transformation across Germany, Netherlands, India, and Denmark.

[LinkedIn](#)

**Vinay Patil**

Managing Partner / AI / ML

20+ years building enterprise-grade digital platforms. Multi-cloud architecture, DevSecOps, and Platform Engineering specialist.

[LinkedIn](#)

**Gaurav Ghuge**

Managing Partner / Product Engineering / ML

15+ years blending AI/ML expertise with business acumen. Drives growth through innovative technology and intelligent automation.

[LinkedIn](#)

**Thomas Deterding**

Managing Partner / PLM / Delivery Head

8 years aligning PLM programs across R&D, Engineering, Supply Chain, and Manufacturing for strategic business outcomes.

[LinkedIn](#)

SIEMENS REALIZE LIVE 2026

Executive Briefing

AMSTERDAM, NETHERLANDS

29 JUNE – 2 JULY 2026

Industrial
intelligence
delivered



WHAT WE OBSERVED



AI ENGINEERING

AI is accelerating design, automating workflows, and augmenting engineers as intelligent co-pilots.



DIGITAL THREAD

Connecting engineering, manufacturing, supply chain, service, and customer feedback into one continuous flow.



CLOUD PLATFORMS

Cloud adoption is driving collaboration, scalability, security, and faster innovation.



INDUSTRIAL INTELLIGENCE

Data quality and context are the foundation for AI, automation, and smarter decisions.



TEAMCENTER UPGRADE & MIGRATION

Organizations are modernizing Teamcenter to unlock performance, agility, and future-ready capabilities.

CLOUDZEN OBSERVATION

Manufacturers are redefining engineering with AI, cloud, and a digital thread—building the foundation for intelligent, resilient, and future-ready enterprises.

“

Engineering is shifting from connected systems to connected intelligence.

”

EXECUTIVE TAKEAWAYS

- ✓ AI is moving into production
- ✓ Digital Thread is becoming enterprise strategy
- ✓ Cloud-first engineering is accelerating
- ✓ Data quality defines AI success
- ✓ Teamcenter ecosystem continues expanding
- ✓ Connected engineering is replacing isolated platforms



ENGINEERING



MANUFACTURING



SUPPLY CHAIN



SERVICE



CUSTOMER FEEDBACK



Keynote sessions



Industrial AI showcase



Digital Manufacturing Zone



CloudZen executive discussions
(Thomas Gollmann & Thomas Deterding)



Technology partner ecosystem



Innovation networking

CLOUDZEN ON THE GROUND



THOMAS GOLLMANN
Managing Partner
PLM / Solution Architect

THOMAS DETERDING
Managing Partner
PLM / Delivery Head

Representing CloudZen at Siemens Realize LIVE 2026, Thomas Gollmann and Thomas Deterding engaged with manufacturing leaders, Siemens experts, and technology partners to explore the future of AI-enabled engineering, Digital Thread, and PLM modernization.



CLOUDZEN PERSPECTIVE

Siemens Realize LIVE 2026 showcased how the industry is embracing AI, Digital Thread, and cloud technologies to transform engineering and manufacturing. These insights reinforce our mission to help enterprises build intelligent, connected engineering ecosystems that drive innovation, agility, and sustainable growth.

“Innovation happens when engineering knowledge flows without boundaries.”
— CloudZen Leadership

PARTNERSHIP INSIGHT

Siemens Partnership – What it Means for CloudZen

Engineering the future of
digital manufacturing, together.

As an authorized Siemens Software Partner, CloudZen combines deep engineering expertise, proven delivery capabilities, and a shared commitment to help manufacturers build resilient, intelligent, and future-ready enterprises.

Software
Partner

Authorized

SIEMENS

Part of Siemens Xcelerator



Ulhas Mahajan

Co-Founder & Enterprise Architect
at CloudZen

“

Our partnership with Siemens empowers us to co-create intelligent, connected engineering ecosystems that unlock innovation and deliver measurable impact for manufacturers worldwide. ”

THE PARTNERSHIP AT A GLANCE



Trusted Expertise

Recognized capabilities across the Siemens Xcelerator portfolio



Co-innovate Together

Joint engineering and solutioning to solve complex industry challenges



Accelerate Value

Faster outcomes and higher business impact for our customers



Quality Assurance

Proven methods and rigorous quality in every engagement



Global Impact

Local expertise. Global delivery. Measurable business impact.

WHAT THIS PARTNERSHIP MEANS TO CLOUDZEN

01

Stronger Together

Combining Siemens' industry-leading technology with CloudZen's engineering excellence to solve complex business challenges.

02

Investing in Innovation

Early access to Siemens roadmaps, tools and enablement to co-develop next-generation solutions for our customers.

03

Customer Success Focused

Joint commitment to deliver measurable outcomes—faster time-to-value, lower risk and long-term scalability.

04

Built for the Future

Together, we drive digital continuity, sustainability and intelligent automation across the product lifecycle.

JOINT EXPERTISE. END-TO-END IMPACT.



PLM EXCELLENCE

- Teamcenter PLM
- Active Workspace BMIDE
- ITK / SOA / REST Services



ALM LEADERSHIP

- Polarion ALM
- Requirements Management
- Test & Quality Assurance



INTEGRATION POWER

- CAD PLM, Creo, Solid Edge
- ERP (SAP, Oracle)
- MES / CRM
- Digital Thread



MODERNIZATION & CLOUD

- Upgrades & Migrations
- Cloud-native
- Deployments
- DevSecOps



ENTERPRISE ENABLEMENT

- Architecture & Governance
- Data & Security
- Global Delivery & Support

One partnership.
Shared vision.

Engineering a better tomorrow.

THE FOUNDER'S PERSPECTIVE

Engineering the future of manufacturing.

“

“The next advantage won’t come from another tool — but from connecting them, so that PLM, data, AI and cloud finally work as one.”

The industry is at an inflection point. Engineering Intelligence — the convergence of PLM, AI, cloud, and engineering data — is no longer a roadmap ambition. It is becoming the basis of competitive advantage for manufacturers across Europe and beyond.

CloudZen was founded on a simple conviction: engineering data and AI create real value only when they are engineered together — with precision, and with purpose. Our mission is to help engineering leaders make that connection real, and turn it into measurable business outcomes.



The future of manufacturing will be shaped by those who can connect technology with execution, and strategy with purpose. At CloudZen, we are committed to being the partner who helps you **build that future — together.**



Gaurav Ghuge

FOUNDER • CLOUDZEN INNOVATIONS



*Engineering outcomes with **precision.**
Creating impact with **purpose.***



NUREMBERG • GERMANY



RESOURCES

Research that Shapes Insight. Insight that Drives Impact.



This publication draws inspiration and publicly available insights from globally recognized organizations across strategy, technology, market intelligence, and industry leadership.

STRATEGY & CONSULTING

McKinsey & Company
mckinsey.com

Deloitte Insights
deloitte.com/insights

PwC
pwc.com/insights

KPMG
kpmg.com/insights

EY
ey.com/en/insights

Accenture Research
accenture.com/insights

TECHNOLOGY & ENGINEERING

**Siemens Digital
Industries Software**
siemens.com/digital-industries

**IBM Institute for
Business Value**
ibm.com/ibv

**Capgemini Research
Institute**
capgemini.com/research-institute

MARKET INTELLIGENCE

Gartner
gartner.com

IDC
idc.com

Forrester
forrester.com

INDUSTRY & POLICY

World Economic Forum
weforum.org

**Manufacturing
Leadership Council**
mlc.org

NIST
nist.gov

European Commission
ec.europa.eu

**Industrial Internet
Consortium (IIC)**
iiconsortium.org



Global perspectives. Practical insights. Real impact.

CloudZen Engineering Intelligence is built on trusted research and refined through deep engineering and PLM expertise to help organizations transform with confidence.



Thank You!

Your time and attention mean
a lot to us.

We appreciate your engagement
with CloudZen Engineering Intelligence.



Connect With CloudZen



Website

cloudzeninnovations.com



Email

contact@cloudzeninnovations.com



LinkedIn

linkedin.com/company/cloudzen-innovations



Newsletter

Coming Soon

For editorial feedback, partnerships, or speaking opportunities:

contact@cloudzeninnovations.com

“

Engineering excellence is no longer defined solely by the products we build,
but by the **intelligence, collaboration, and innovation** that power every stage
of their lifecycle.