



TRANSITION
TECHNOLOGIES

Connect Engineering, Manufacturing and Service with Digital Thread

Turn fragmented product data into a connected digital backbone across the entire lifecycle.

Disconnected Product Data Across the Lifecycle

In many organizations, product data lives in disconnected systems across engineering, manufacturing, quality, and service. PLM, ALM, IoT and enterprise systems often operate in silos, making it difficult to ensure traceability, collaboration, and data consistency throughout the product lifecycle.

Without a Digital Thread, companies struggle with:

- slow engineering change processes
- limited visibility across product lifecycle stages
- inconsistent product data across systems
- lack of traceability between requirements, design, manufacturing and service





Digital Thread Implementation on the PTC Stack

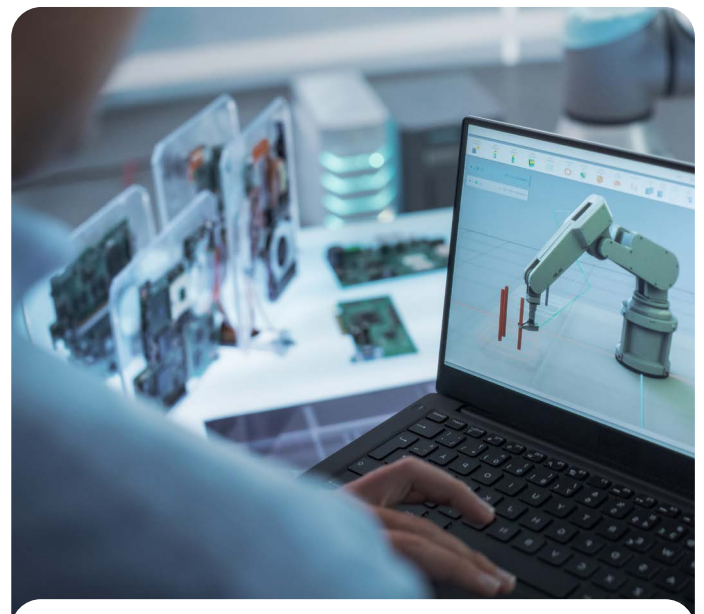
At **Transition Technologies PSC**, we help companies build and scale **Digital Thread architectures based on PTC technologies**, connecting engineering, manufacturing, and service data into one consistent ecosystem. We design and implement solutions that integrate PLM, ALM, IoT, and enterprise systems to enable seamless product lifecycle data flow.

Our Digital Thread solutions enable organizations to:

- connect engineering and manufacturing data
- ensure full traceability across the product lifecycle
- enhance data consistency and eliminate information silos across systems
- improve cross-department collaboration
- enable data-driven decision making
- accelerate product development and change management

What We Deliver

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Digital Thread Architecture Design
 Definition of scalable architectures that connect PLM, ALM, IoT and enterprise systems.
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PTC Ecosystem Implementation
 Implementation and configuration of PTC platforms as the backbone of Digital Thread.
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Enterprise System Integration
 Integration with ERP, MES, SAP and other enterprise platforms.
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Custom Extensions & Accelerators
 Development of tailored solutions extending standard PLM capabilities.

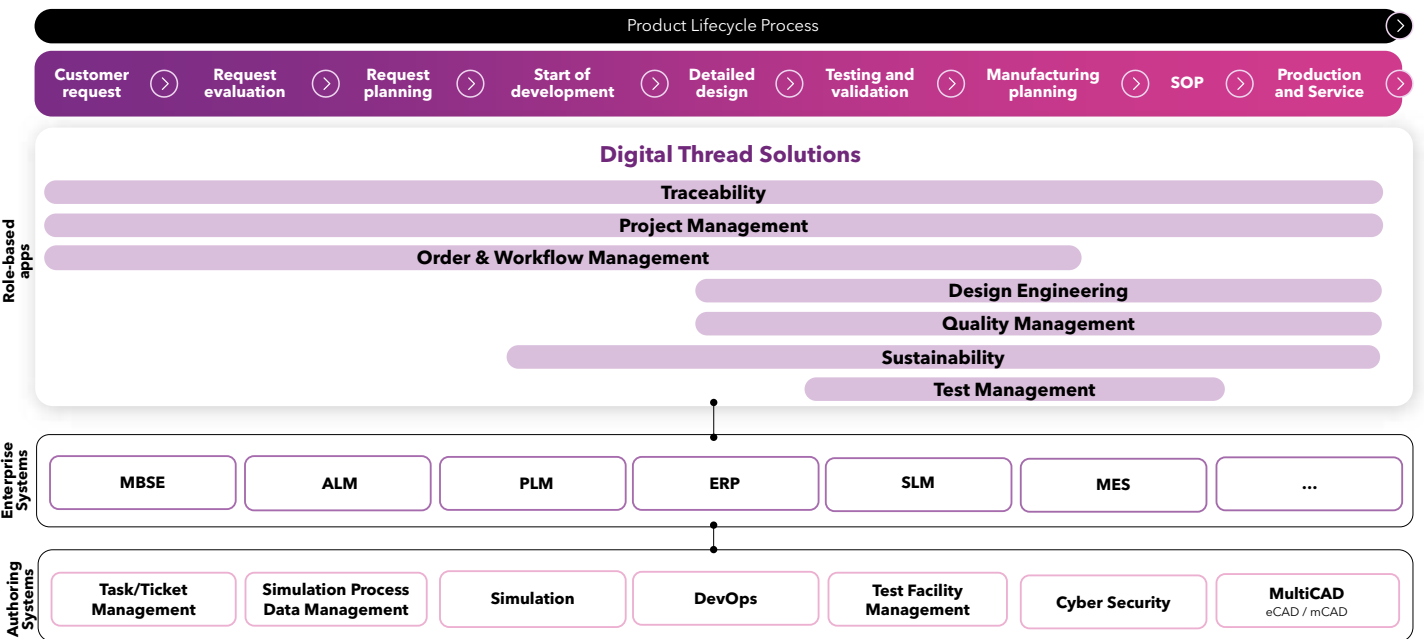


More information
about Digital Thread

[Check >](#)

Who is the Digital Thread Relevant For?

- Development Engineers**
 - Focus on working instead of searching: all product information in direct context.
 - Fewer coordination loops, faster approvals – based on data, not intuition.
- Quality Managers**
 - Monitor changes and approvals at any time.
 - Automated traceability, quick root cause analysis, and seamless feedback from manufacturing to development.
- Project Managers**
 - Real-time transparency of progress, milestones, and deliveries.
 - All stakeholders work on the same data basis – efficient, connected, and goal-oriented.
- Procurement**
 - Involved early in development and change processes.
 - Secure access to current data and feedback – for faster, informed decisions.
- Sales & Service**
 - Up-to-date product information for accurate customer guidance.
 - Customer feedback flows directly into development.
 - Faster issue resolution and improved customer satisfaction.
- Management**
 - Complete overview of products, processes, and risks.
 - Continuous transparency from requirements to use – for secure decisions and sustainable value creation.



Proven Digital Thread Experience

Transition Technologies PSC is a strategic PTC partner with global delivery teams supporting organizations across complex digital transformation initiatives.

Our teams help enterprises **implement Digital Thread strategies** that connect product data across engineering, manufacturing, and service environments.

Why Companies Work With Us



Strategic PTC Partner

Deep expertise in the PTC ecosystem and long-term collaboration with the PTC technology stack.



End-to-End Digital Thread Architecture

From strategy and architecture to full implementation and optimization.



Enterprise Integration Expertise

Connecting PLM with ERP, MES, SAP and other enterprise systems.



Custom PLM Development

Tailored extensions, automation and accelerators built for complex engineering environments.



Global Delivery Teams

Scalable delivery model supporting global organizations.

Building a Digital Thread Environment for Schaeffler

Schaeffler, a global automotive and industrial supplier, partnered with Transition Technologies PSC to support the development of a Digital Thread environment connecting engineering and product lifecycle data.

Our team contributed to building an integrated PLM ecosystem that supports collaboration across engineering teams and enables consistent product data management across systems.

Through this initiative, Schaeffler strengthened its ability to manage complex product development processes and support digital transformation across its engineering landscape.



Customer
success story

[Read >](#)

SCHAEFFLER

Meet Our Digital Thread Experts

Want to explore how Digital Thread can transform your engineering and product lifecycle processes? **Meet our experts and discuss your Digital Thread strategy.**

Contact us!

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