



DIGITAL TRANSFORMS PHYSICAL

# The Main Values of Codebeamer

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# Introduction

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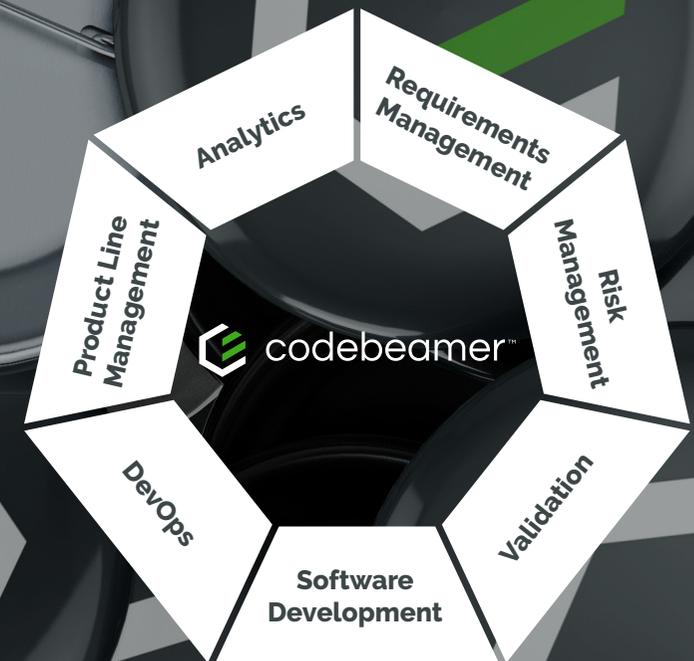
**Digitalization is transforming value chains across industries, challenging all product development organizations.**

Growing emphasis on electronic and software components necessitates a paradigm change in product engineering. Companies today are forced to take a collaborative, iterative approach to the delivery of modern software-heavy products in high quality. In order to accommodate these changes, successful organizations are looking to modernize and future-proof their toolchains.

Application Lifecycle Management is vital to overcoming some of the major challenges of digital transformation. It helps move away from poorly coupled tools, connect hardware engineering with software delivery, and shift focus to product quality across the lifecycle.

PTC®'s Codebeamer is a market-leading Application Lifecycle Management tool used by global innovators to support advanced product engineering in scaled environments.

Find out how Codebeamer helps your organization respond to both current and future challenges.



# Agile & Innovative

**“I run a lean Agile shop, and don’t want to make any compromises. How do I know my ALM will continue to support my growing needs?”**



Choose the most Agile tool and look for a proven track record with multiple Agile methodologies. Our product innovation is based on market and customer feedback, and our platform is so flexibly configurable that it can be adapted to any individual development environment.

## **How do we support your (scaled) Agile innovation processes? How does Codebeamer’s Agility benefit you?**

PTC’s Codebeamer technology offers tons of Agile features, and will help you build value regardless of your chosen method (Waterfall, Scrum, Lean, Agile-Waterfall Hybrid, SAFe®, LeSS, DAD, etc).

Our product innovation follows an Agile approach and is fuelled by user feedback. We’re dedicated to satisfying our customers.

New versions with innovative features are delivered twice a year. Upgrading is a breeze.

**Team-level Scrum**

**Agile frameworks  
(SAFe®, LeSS, DAD)**

**Corporate-level Scaled Agility**

# Integrated approach

**“I’m struggling to integrate my toolchain for hardware engineering, software development, and service innovation processes. Can ALM help me with that?”**



Application Lifecycle Management tooling is a cornerstone of the modern, holistic approach to system engineering. A central ALM can help integrate your tool ecosystem, and is fundamental to establishing maturity in the development of digital products.

## How does Codebeamer pave the way to the success of your engineering transformation?

- Native integrations with industry standard tools (IBM® Rational® DOORS®, JIRA, Simulink, Jenkins, VectorCAST, etc), APIs (REST, Swagger), Integration-as-a-Service support (Tasktop)
- Enables collaboration between suppliers, partners, business and engineering teams. Analytics capabilities ensure transparency and decision-support.
- Gapless and effortless traceability across all stages of the product development lifecycle.



# Flexible solution

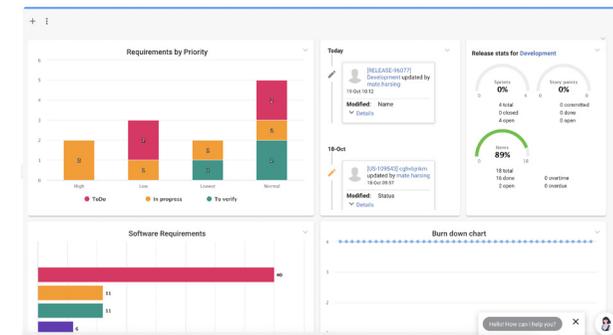
**“I’m working in a complex environment with lots of stakeholders. How could I work with a one-size-fits-all ALM platform?”**



Look for adaptability in your tooling decisions. Codebeamer’s rich feature set is so deeply and flexibly configurable that it’s easy to forget all this is housed in one platform. Customize a tailor-made solution for all your user groups in a central, fully integrated ALM platform. Use Codebeamer’s classic UI for power users, or rely on the simplified interface for unmatched usability!

## How does Codebeamer adapt to your needs?

- Alter the system’s behaviour to match the needs of different user groups (customizable permissions, features, workflows, work items, and more).
- Realize value from day one: user-friendly and lightweight user interface with mobile access.
- Our flexible licensing structure lets you maximize value and minimize costs.



# Scalable

**“I’m developing complex products with lots of developers and vast amounts of work items. How do I make sure my ALM’s performance matches my needs?”**



Tool limitations can greatly hinder work, adding costly extra time to your development cycles. Codebeamer is the most scalable ALM tool on the market, proven in use by dozens of enterprise users and regular performance reviews.

## How does Codebeamer respond to your scaling challenges?

- Out-of-the-box and flexible support for multiple Agile scaling frameworks.
- High system performance with as much as 10M work items and 1,000 concurrent users.  
[See our Performance Test Report 2019.](#)
- Codebeamer can manage 35,000+ requirements in a single document, and an unlimited number of projects.



# Compliance support

**“My safety-critical product development efforts are subject to national and international regulations. Is my use of ALM going to affect auditability and compliance?”**



Using a central, integrated ALM platform is crucial to ensuring the traceability and visibility of development processes that is a fundamental requirement of safety or mission-critical regulations. For companies operating in regulated markets (including the development of medical technology, automotive or avionics systems, or pharmaceutical projects), Codebeamer provides preconfigured templates and a wide range of features to cut the costs of audit preparation and compliance.

## How does Codebeamer contribute to stress-free audits?

- Preconfigured, but flexibly adaptable templates for ISO/IEC/FDA/DO/GAMP/etc regulations
- Integrated risk management across the lifecycle, approval workflows with e-signatures, tool validation support
- Automatically recorded audit trails and effortless Audit Trail Reports to cut compliance costs

Webpage

**CB's Tool Validation Package Template +  
CB's Title 21 CFR Part 11 Validation Template**



[Learn more](#)



# Closing thoughts

## Codebeamer helps you put quality products on the market faster.

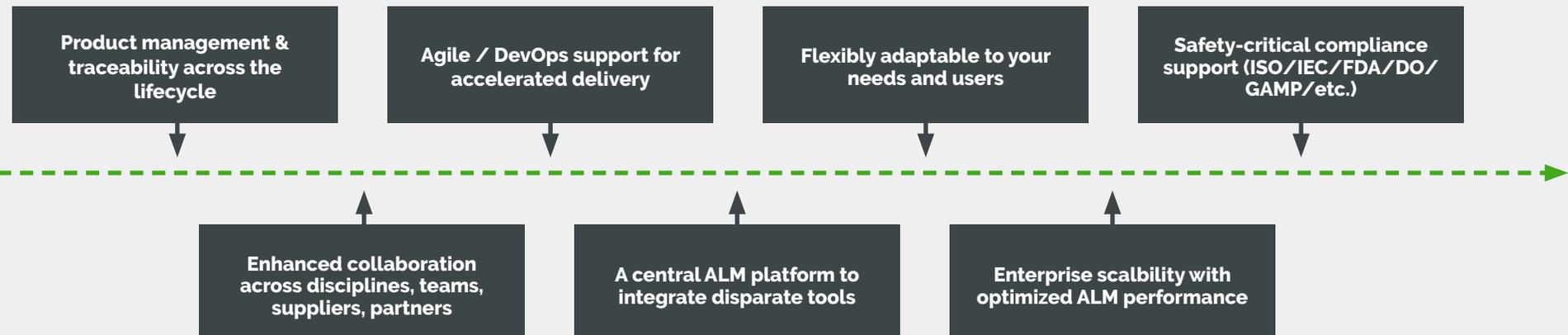
Work Agile, scale collaboration, and integrate product innovation using an all-in-one Application Lifecycle Management platform.

Adapt Codebeamer to your needs, and tackle regulatory compliance challenges with ease.

### eBook

**A Guide to Calculating the ROI of Application Lifecycle Management Tools**

[Download](#)





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