



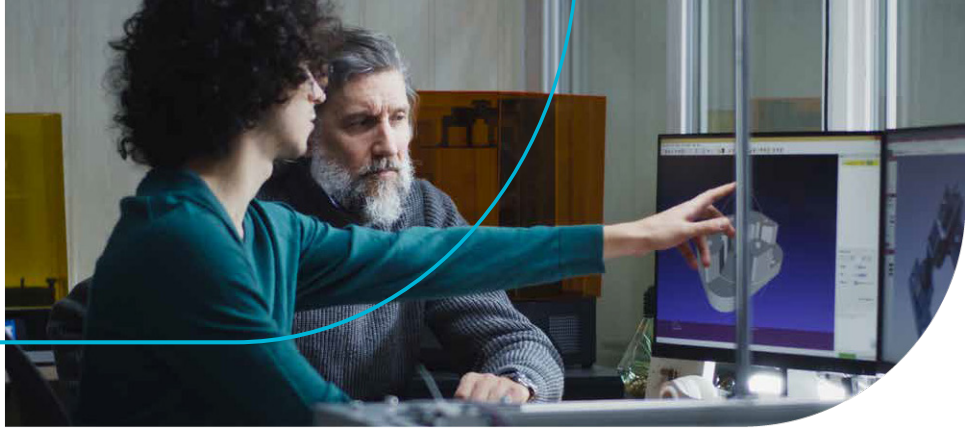
TECHNIA

PART OF ADDNODE GROUP

What is PLM?

A brief guide to PLM
(product lifecycle management)

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PLM: Your competitive edge

Markets are moving faster, competition is getting tougher, and customers are demanding even better products more often. For most companies, creating innovative products is the key to driving future revenue growth. However, as speed to market becomes more crucial for success, increasing product and manufacturing complexity - especially in a regulated and global landscape - can slow down development.

That's why industry leaders turn to **PLM software** to streamline and accelerate their product development process. PLM boosts profitability, frees up vital resources, and fuels innovation. It's a competitive advantage no business can afford to overlook.

But PLM doesn't stop once a new product hits the market. Instead, it's a comprehensive, automated, connected, and streamlined approach to product management - spanning from initial development through every stage of its lifecycle, right up to when it's retired from the market. PLM ensures full traceability of products

and components, helping protect products and brands from the consequences of quality issues and product recalls.

Creating successful products in today's experience-driven world calls for technical expertise, knowledge sharing, collaboration, and agility. Companies need to build closer connections with customers to rapidly and efficiently develop new products that meet their needs. How quickly a company can respond is crucial to success. Providing the right tools and environment for product development is essential. Connecting everyone involved - from brainstorming to design, manufacturing, and beyond - is absolutely vital.

Companies that **implement PLM effectively** unlock profit-boosting benefits that extend well beyond product development.

This whitepaper explores the ways in which PLM helps overcome challenges in product development; accelerates innovation; and drives your business goals forward.

What is PLM?

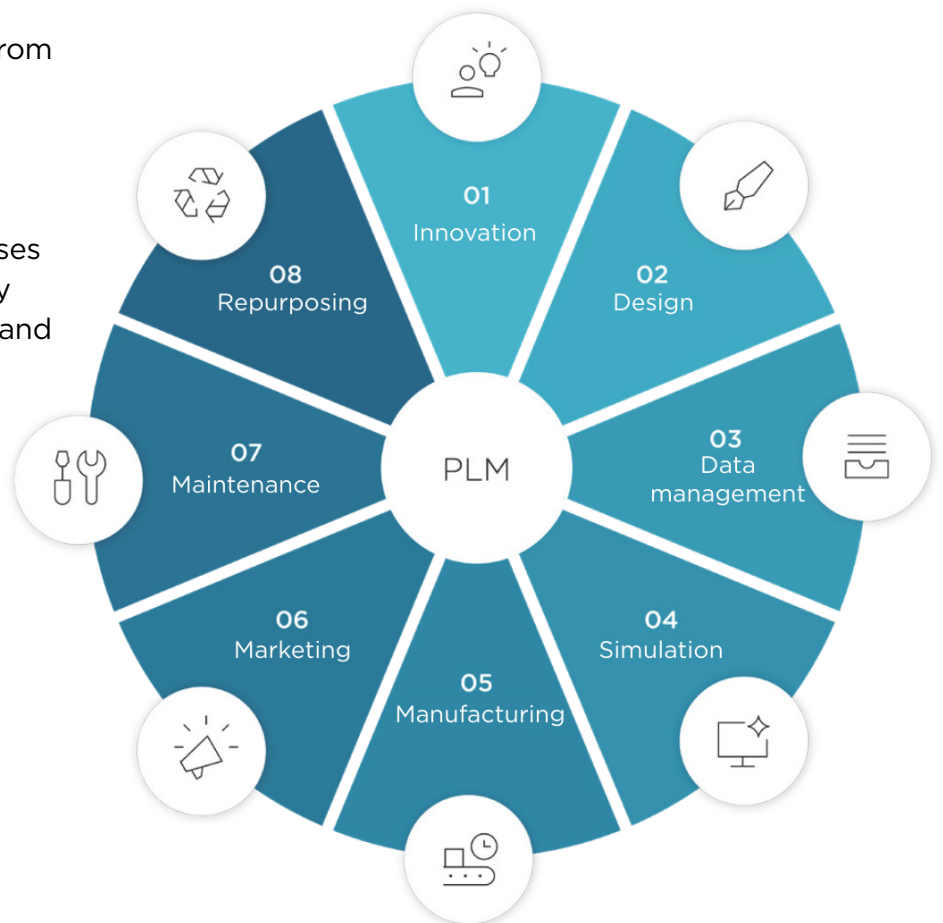
Product lifecycle management brings together people, business processes, and IT systems to oversee products from their initial design all the way through their entire lifespan.

PLM supports every stage - from ideation and development, through production, market launch, product updates, and even withdrawal from the market. It streamlines processes and eliminates bottlenecks by making workflows smoother and more efficient.

PLM enables companies to create and manage all the data they need across every stage of a product's lifecycle, bringing together information from both digital and real-world sources. Everything is always up-to-date, centrally stored, and available in the correct version.

PLM breaks down barriers between people and systems - across departments, disciplines, applications, and integrations - to centralize data and deliver precise, current information to anyone who needs it, whenever they need it, no matter where they are.

PLM is more than just a component of your IT infrastructure; when used effectively, it becomes a cornerstone of a comprehensive strategy for sustainable growth and competitive advantage. Now, more than ever, it's crucial to assess both current and future business needs to ensure your PLM strategy is fully aligned with your overall business goals.



Advantages of PLM



01 Accelerate time to market

PLM empowers engineering teams to work more efficiently by providing centralized, real-time access to data and updates. No matter where team members are located, they can collaborate seamlessly as if sharing the same workspace. Design feedback can be addressed quickly, making product development more agile and driving innovation forward.

PLM also eliminates time-consuming inefficiencies, such as having to duplicate data across different systems or transfer information between departments. Fewer mistakes and less rework boost productivity. By removing these bottlenecks, product developers gain more time to focus on what matters most—core tasks and meeting customer needs.



02 Lower costs and increase revenue

PLM drives ROI by speeding up time-to-market, improving overall efficiency, and delivering targeted savings in manufacturing-related costs. Reducing data errors during the design stage ensures that production, planning, purchasing, and procurement are all working with the correct specifications - cutting down on waste, surplus, and expenses.

Savings on materials and components come from reusing resources and streamlining part designs and suppliers. PLM stands out as a powerful support for growth, freeing up resources to push innovation forward.



03 Ensure product quality

No matter how big or small, quality issues always come with a price—and often trigger further consequences, like losing customer trust or seeing sales decline over time. PLM helps safeguard product quality by making it easier to track every piece of information related to products, components, manufacturing processes, and regulatory compliance.

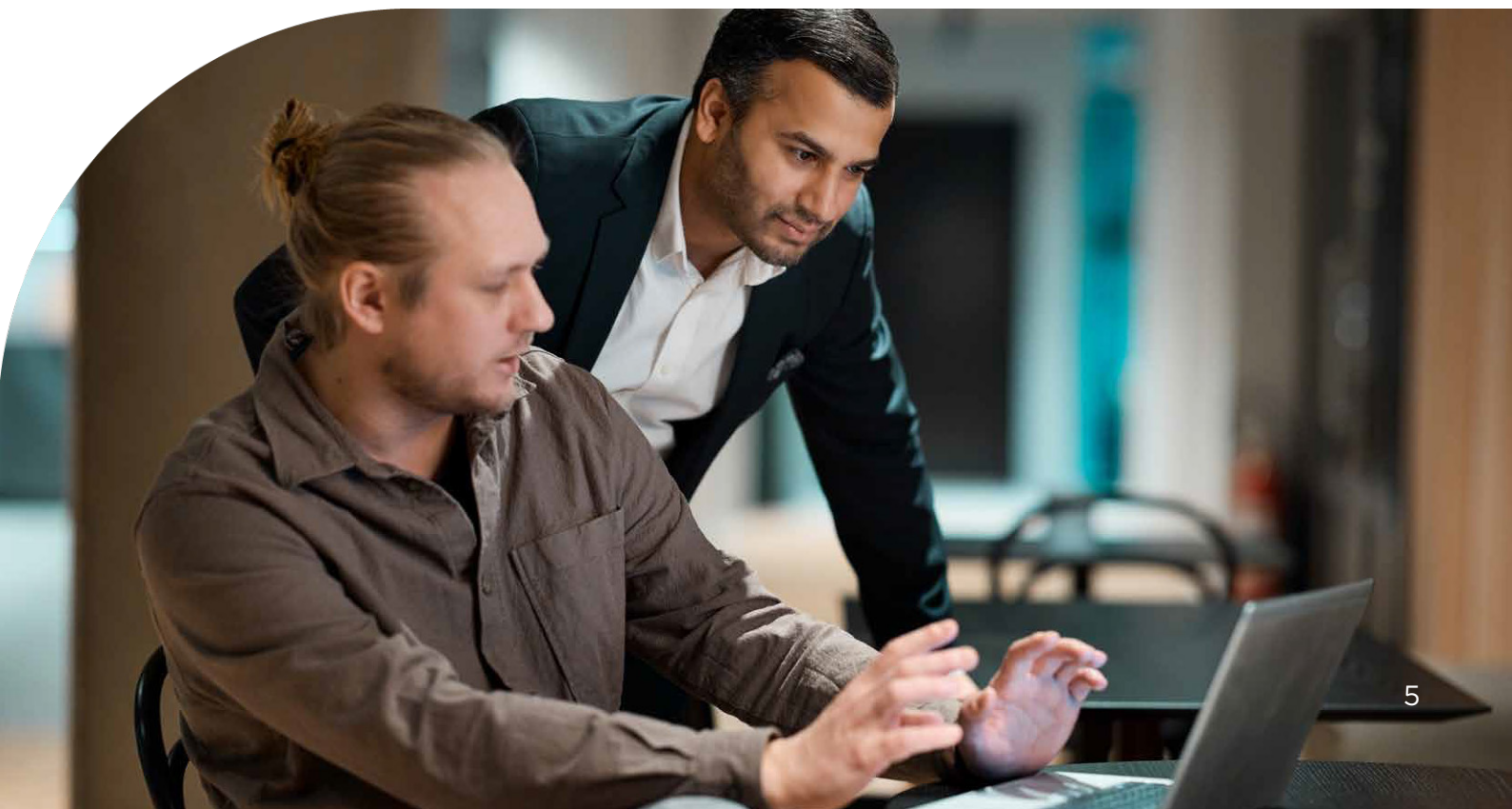
The savings from avoiding quality problems or reducing rework, scrap, productivity losses, returns, recalls, and legal costs are usually clear and quantifiable. However, damage to your brand and reputation is harder to measure and can have even greater consequences for your business. Leverage PLM to proactively protect against these risks from the start.

PLM delivers value for small and medium-sized businesses too

PLM goes far beyond simple file management

Simpler solutions, even those designed to work with **CAD software**, are built for managing files - not products. They lack the context of how your products are structured. These systems don't consider how even minor changes can ripple through your entire product development process. A basic folder setup just isn't enough for handling this data; you need a connected overview of the parts, assemblies, and products in use. It's also essential to know which processes and projects are affected by even the smallest change.

Break free from relying on people-driven procedures, folder setups, or naming rules. Switch to a central **PLM system**, where authorized team members can access up-to-date development information anytime and make changes according to their roles and permissions.



PLM boosts productivity

By implementing a PLM solution, you're choosing more advanced processes and technologies. This helps eliminate mistakes and cuts down on time spent on non-value-adding tasks, like searching for the latest version, gathering data for colleagues, partners, or suppliers, recreating lost files, preparing usage reports, and updating manufacturing timelines after minor changes. With PLM, all these

details about the product development process are organized and accessible to everyone.

For mid-sized businesses, it's especially important to find the right PLM system size to fit their needs. That way, they can quickly benefit from the improved performance PLM offers, without losing too much time to system changes and the new habits those might require.

PLM keeps your data safe with single-source access

A PLM platform makes it easy for different groups to work together - multiple developers, departments, customers, and suppliers can all collaborate on the same product without losing work or having things change by accident.

Without PLM, people often try to share CAD or image files via email or physical storage devices. This can create confusion, since colleagues aren't able to view your designs online or provide feedback easily.

With online access, your files remain securely stored on the server and are managed from a single source of truth.



Here's a quick tip:

Kick things off fast and stay agile for whatever comes next

Some businesses just can't afford to spend years on PLM implementation. They need to get started quickly and deliver value right away.

PLM essentials can make it easier to handle complexity, boost teamwork, and drive productivity.

But PLM is about much more than just managing data. Even if some companies aren't ready for every feature right away, it's important to keep possibilities open and leave room for growth when needed.



NOW'S THE TIME TO EMBRACE THE CLOUD

Cloud-based PLM is perfectly tailored to meet your company's needs for integration, functionality, and performance. You get a robust environment for both cloud and PLM, with the flexibility to scale your resources up or down whenever you need—and you only pay for what you actually use.

Challenges in the Innovation Process

To stay ahead of the competition and meet rising customer expectations, manufacturers must keep innovating. Today's breakthroughs rely on integrated product development technologies that bring together mechanics, electronics, and software.

Unfortunately, many PLM solutions were originally designed just for supporting mechanical design processes and aren't well-suited for managing this broader group of stakeholders or involving them in product development.

When information is kept in separate silos, it leads to duplicated work.

By implementing a single, unified, real-time view of the latest product data, you enhance collaboration and eliminate the time-consuming, error-prone process of syncing information.

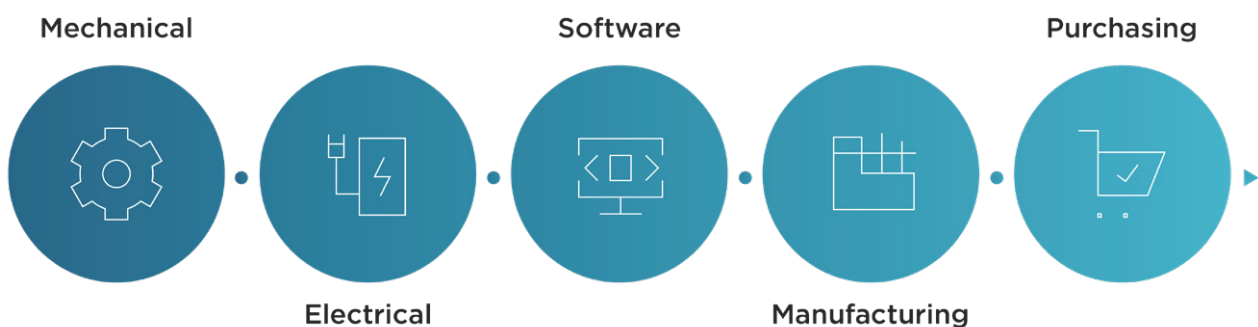
With PLM, you gain early and ongoing cross-functional involvement from quality, cost estimation, manufacturing, and service teams.

Get started now with the right PLM solution

Kick off with the PLM essentials to quickly create value, but steer clear of simple file-sharing tools that fall short for complex products and development environments. Look for a solution that lets you work in real time within the context of your products and also in the context of

processes and product development projects.

Also look for a PLM solution that offers automatic CAD and project updates, so designers can focus on innovation instead of managing files and tasks.



Driving global digital transformation and ensuring compliance with legal regulations through the 3DEXPERIENCE platform

THE SOLUTION

The 3DEXPERIENCE platform empowers B. Braun to enhance its product offerings, boost efficiency, improve quality, and strengthen collaboration across the supply chain—all while maintaining strict regulatory compliance. This PLM solution connects over 13,000 users at B. Braun, integrating PLM, ERP, and CRM systems digitally. Tailored specifically for medical technology, the License to Cure solution built on Dassault Systèmes' 3DEXPERIENCE platform is complemented by **TECHNIA software** and supported by TECHNIA's world-class Life Sciences consulting team.

THE ADVANTAGES

“We’re facing major challenges as regulatory and market demands continue to rise. We’re confident that PLM will be a key enabler in overcoming these obstacles. That’s why we chose the 3DEXPERIENCE platform from Dassault Systèmes and TECHNIA, leveraging their life sciences expertise in a strategic partnership to support our extensive product portfolio. We’re excited to embark on this digital transformation together,” says Thomas Habel, CIO of B. Braun.

“**The 3DEXPERIENCE platform** and our industry solution, ‘License to Cure,’ are purpose-built to help companies streamline their workflows and maintain consistent data. Regulatory requirements are integrated into the solution to support organizations in enhancing both quality and compliance,” says Claire Biot, Vice President, Life Sciences Industry at Dassault Systèmes. “Our mission is to deliver innovative medical devices to patients and healthcare professionals faster, while also reducing costs. TECHNIA is one of our leading global Life Sciences system integrators, and we will work closely together to transform B. Braun’s business processes.”

ABOUT B. BRAUN

B. Braun is a global leader in manufacturing medical technology and pharmaceutical products as well as services. With 64,000 employees across 64 countries, B. Braun develops high-quality product systems and solutions for users worldwide. In 2020, the company generated revenues of €7.4 billion.

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Thomas Habel, CIO of B. Braun

Everything under one roof with the 3DEXPERIENCE platform: Design, Simulation, Visualization

THE SOLUTION

Waldrich Siegen relies on the **3DEXPERIENCE** platform to program the machining of customer workpieces, monitor for collisions, and run simulations. Only when the simulation runs smoothly does the application engineering team give the green light for production.

The Benefits

“Because all machine designs and customer components are stored in a single, centralized database, we have less data to manage and the risk of ‘data theft’ is greatly reduced, since there’s no need to exchange physical storage devices anymore,” explains Timo Hees. “One major advantage of centralized data (a single source of truth) is improved teamwork: multiple colleagues can now work on customer parts at the same time. We no longer have to wait for one person to finish a step before the next can continue in the same file. Overall, information and data are found much faster.”

Up to 80% Time Savings

In the past, every movement sequence had to be simulated individually due to the variety of machines in different sizes and types. Now, Waldrich Siegen relies on a parameterized machine model and uses various turning, milling, and grinding units within the simulation - all easily accessible and interchangeable in the database. Thanks to the 3DEXPERIENCE platform, creating kinematics now takes a maximum of one hour, compared to up to five hours before.

About Waldrich Siegen

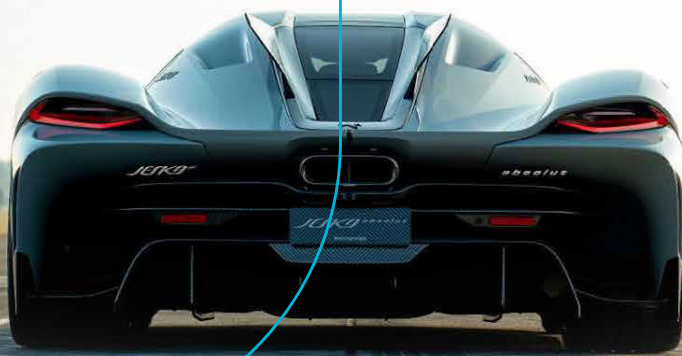
For over 180 years, Waldrich Siegen has been recognized as a leader in the development and manufacturing of large-scale machine tools for milling, turning, grinding, and texturing. These technology sectors require top precision, efficiency, and reliability— qualities delivered by Waldrich Siegen through meticulously engineered designs and an unwavering commitment to innovation.

“What we appreciate most about the 3DEXPERIENCE platform is its seamless integration. Our application engineers can switch between simulation and design modes with just a few clicks, make adjustments to the milling unit, and continue working right away with the updated settings. Not only does this save time, but it also improves quality, since potential collisions are detected and resolved much more quickly.”

Timo Hees, Application Engineer at WaldrichSiegen GmbH & Co. KG



Koenigsegg



Koenigsegg Accelerates Growth with 3DEXPERIENCE

THE SOLUTION

The ongoing partnership strengthens Koenigsegg's commitment to cutting-edge technology across every facet of its business. These new developments allow Koenigsegg to rapidly advance its PLM infrastructure and keep pace with the demands of its one-of-a-kind automotive business model.

As part of the agreement, TECHNIA lead the transition from legacy software tools and processes to the latest version of **CATIA**, Dassault Systèmes' industry-leading CAD software.

THE ADVANTAGES

“**The 3DEXPERIENCE platform** offers incredibly powerful tools that let us instantly access and share 3D design data in real time. Its wide range of features makes it easy for us to track progress and review technical concepts as they happen, keeping our team connected and up-to-date.”

It also allows us to carry out design reviews directly within the system using Super-Thin-Clients, complete with issue management tools to document findings and notify the responsible engineers. As we move forward, we'll be introducing additional 3DEXPERIENCE-based solutions for digital manufacturing and composite design.” Henrik Leonhardt, CAD Engineer, Koenigssegg.

“Choosing 3DEXPERIENCE was a strategic move to support Koenigsegg's rapid growth into a global leader in quality, teamwork, and the sharing of technical CAD data. Getting the most out of a unified product structure has transformed our engineering team's daily routines and brought significant improvements for every department, partner, and supplier that relies on timely, accurate, and relevant technical information. TECHNIA was instrumental in shaping and executing our first major implementation phase and is fully committed to ensuring its complete success.”

Halldora von Koenigsegg, Chief Operations Officer at Koenigsegg

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About TECHNIA

Few things are more complex, or time-consuming than bringing new products to market. In fiercely competitive industries, efficiency, transparency, and responsibility are more in demand than ever.

That's why we help clients deploy solutions that simplify processes, drive product innovation, and shorten time to market.

We're not saying that it will always be straightforward. But with the right mix of technology, people, and dedication, we reduce complexity so companies can accelerate and excel. We're forward-thinking problem solvers, and we love working with ambitious clients.

For us, it's about making sure companies overcome barriers to breakthroughs. It's about bringing smarter products to market, faster.

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