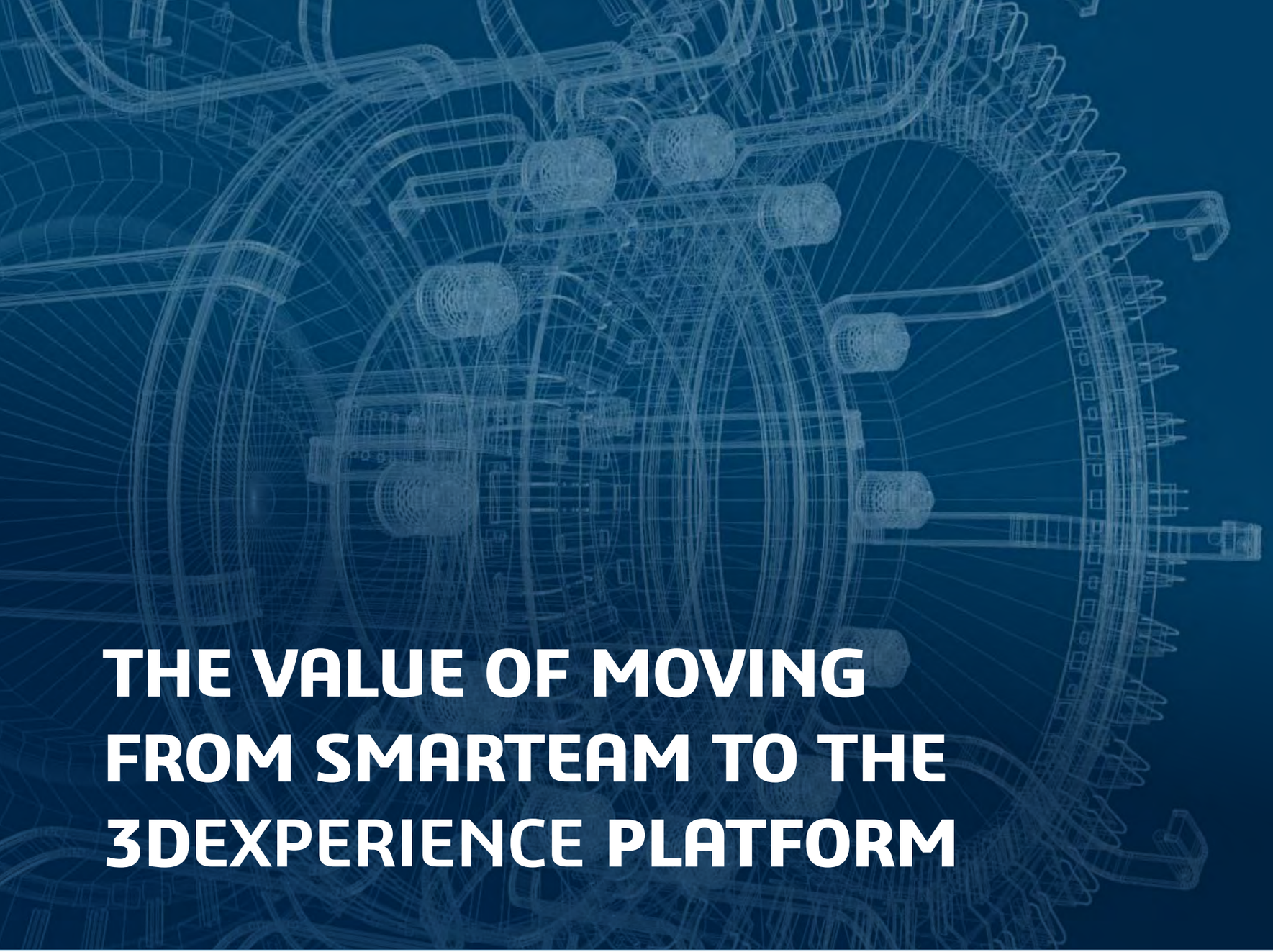

THE VALUE OF MOVING FROM SMARTEAM TO THE 3DEXPERIENCE PLATFORM

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MOVING BEYOND PRODUCT DATA MANAGEMENT

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INTRODUCTION

Manufacturing organizations across the globe have long trusted SmarTeam to help manage their product data. Although now, the world of product development is changing. Business is moving faster, products are more complex, and collaboration across teams is essential. Keeping pace with the competition requires companies to react quickly and innovate in new ways.

Designing successful products requires technical know-how, knowledge sharing, collaboration and agility. Providing engineers and designers the right tools to address these challenges is required for sustainable innovation.

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MOVING BEYOND PRODUCT DATA MANAGEMENT

Product Data Management (PDM) is no longer enough. PDM is required to track the creation, changes and archive of product information. PDM does not however put that data in the context of a single, multidiscipline product definition. Nor does PDM connect the entire value network, those outside the product development organization, for greater collaboration and innovation.

Why is this important? Because connecting teams with a common product definition and established product development processes enables them to respond faster and more effectively. With access to real-time data and analytics, stakeholders make more informed and better decisions whenever and wherever they need it.

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THE 3DEXPERIENCE PLATFORM

To grow their competitive edge, SmarTeam customers are upgrading to the **3D**EXPERIENCE platform. The **3D**EXPERIENCE platform is a proven solution to power the product development process in a collaborative environment.

The **3D**EXPERIENCE platform connects users across the value network around a single, up-to-date product definition. On the platform, current product data seamlessly integrates with business processes, supporting rapid decision-making and faster product delivery.

This eBook details five top challenges faced by product manufacturing companies along with the value manufacturers experience when moving from SmarTeam to the **3D**EXPERIENCE platform.

TOP 5 BENEFITS OF UPGRADING TO THE 3DEXPERIENCE PLATFORM

COLLABORATION

PRODUCTIVITY

SPEED

AGILITY

VISIBILTY

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TESLA

"SolidWorks and ENOVIA SmarTeam helped us start this company and were critical to the success we've had to date. The 3DEXPERIENCE platform is helping us build on that success by managing all of our existing data as well as the increased complexity of our collaborative environment and our product offerings."

– Paul LOMANGINO
Engineering Tools Directo
Tesla Motors

"The **3DEXPERIENCE** platform also will allow Tesla to open up the collaborative process even further, making it possible to involve partner suppliers and even customers in the development process."

– Jack BROWN
PLM Support Specialist
Tesla Motors

STREAMLINE COLLABORATION

STREAMLINE COMMUNICATION AND FOSTER INNOVATION ACROSS THE ENTERPRISE.

CHALLENGE

In the modern business environment, the need to collaborate is more important than ever. Increased product and process complexity along with the rise in distributed work makes it difficult for stakeholders to collaborate effectively throughout the product development process. Work developed in silos leads to project delays as teams search for information to complete tasks. To streamline communications and maximize innovation, stakeholders need a way to clearly organize and safely share up-to-date product information.

OPPORTUNITY

The **3D**EXPERIENCE platform enables stakeholders across the enterprise to work together on a common product definition. This breaks down barriers and supports multidiscipline collaboration throughout the product development process. Contributors come together on the platform in communities that support advance new ideas and product requirements. Structured processes further optimize multi-discipline work across all stages of product delivery, from early concept through final delivery.

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MAXIMIZE PRODUCTIVITY

MAXIMIZE STAKEHOLDER CONTRIBUTIONS WHILE REDUCING ERRORS.

CHALLENGE

A study by Tech-Clarity identified that engineers spend up to 34% of their time on non-value added activity. Tasks such as searching for information and reworking designs to address unexpected changes take time better spent on innovation. Wasted time is not only costly, but also leads to project delays and lost market opportunity. Manufactures need to improve productivity by finding ways to reduce non-value added tasks and the impact they have on design productivity.

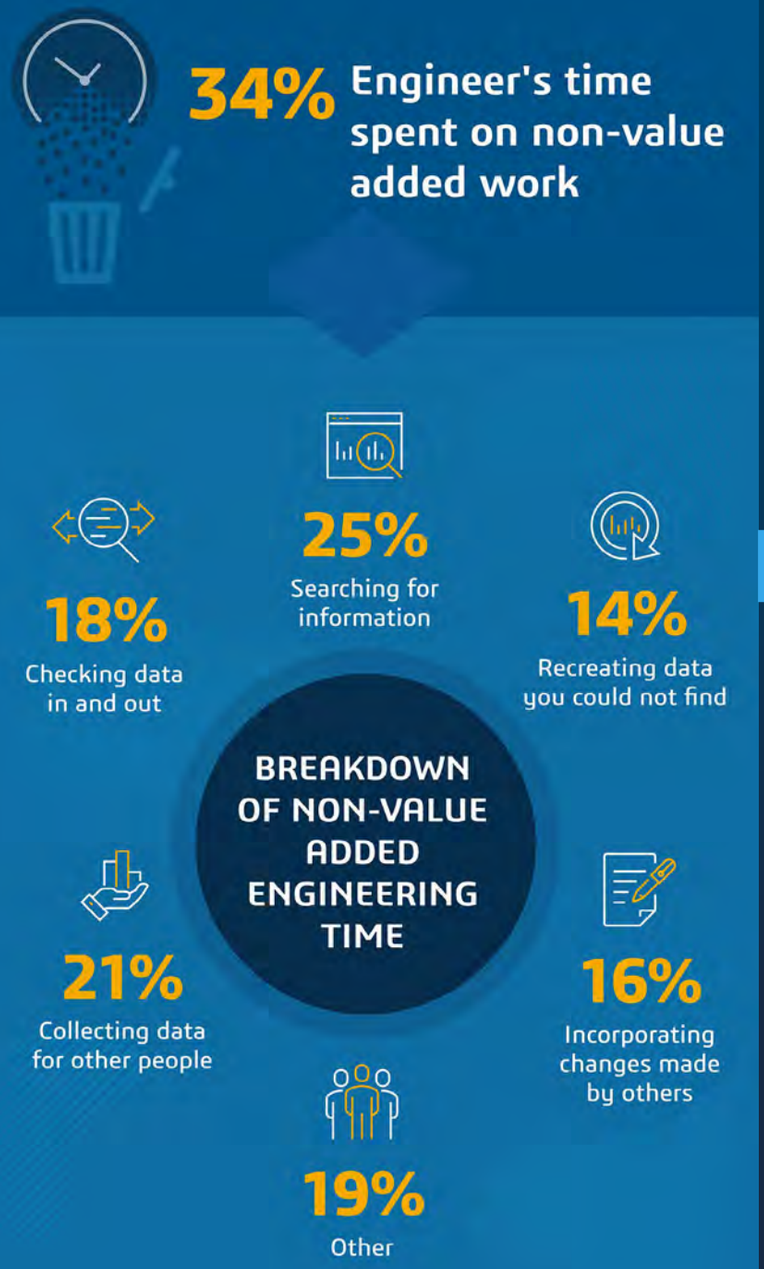
OPPORTUNITY

The **3D**EXPERIENCE platform provides universal access to the real-time, complete product definition. Powerful semantic search and tagging capabilities significantly reduce the time to find information while automated notifications ensure that teams stay informed of changes. Connected stakeholders can also self-serve, eliminating the need for designers to produce, translate, copy and send data.

> "To have 1,000 engineering change processes concurrently is not uncommon at Lippert. Often, people will do a search and drill down into the metadata using the charting mechanism inside SmarTeam. But with the **3DEXPERIENCE** dashboard people will see the kind of 'visual return' that they're all looking for as they drill down into data using 6WTags. It's definitely a step up from what SmarTeam offers."

LIPPERT COMPONENTS®

–Ed FENNEN
Director of Engineering Systems
Lippert Components, Inc.



*Tech-Clarity Survey 2019

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BOOST SPEED

DELIVER HIGH-QUALITY PRODUCTS, FASTER.

CHALLENGE

Meeting time-to-market goals is critical to product and business success. Being fast and first to market shortens time to revenue, reduces development costs and delivers a competitive advantage. Yet meeting time goals alone is not enough. Companies must be able to deliver products without sacrificing quality. In a climate of fierce global competition and rapidly changing consumer demand, this is no small task.

OPPORTUNITY

The **3D**EXPERIENCE platform enables manufacturers to streamline the product development process. A common product definition provides real-time visibility into product and project data while role-specific apps enable users to contribute seamlessly to the product development process. This frees product development teams to work faster and without sacrificing quality.

DOOSAN

"A global collaborative environment with 3D as our universal language is critical if we want to accelerate innovation, minimize costs, and improve quality. The variant configuration capabilities of ENOVIA allow Doosan Infracore to define product direction in 3D by visualizing global variants early in the product planning phase, eliminating design changes further downstream and shortening product development and manufacturing time."

– Tae HWAN KIM
Executive Vice President
Doosan Infracore

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IMPROVE AGILITY

REACT MORE EFFICIENTLY TO MARKET CHANGES.

CHALLENGE

It is a struggle for manufacturing organizations to maintain a competitive edge in the midst of continuously changing markets. How quickly and efficiently they react to shifting market demands, consumer preferences, business disruptions and competitive pressure determine success or failure. Maintaining a competitive edge requires the agility of a start-up with the cost efficiencies of a developed enterprise.

OPPORTUNITY

With the **3D**EXPERIENCE platform, manufacturers are able to execute their product strategy using modularity at the core of the product definition. As market needs change, bring new products to market more rapidly by reusing existing intellectual property. Alerting stakeholders to product changes also reduces the likelihood of errors and delays while ensuring organizational alignment.

> “The modularization capabilities of the **3D**EXPERIENCE platform allow us to develop and deliver customized products faster to market without compromising quality. Thanks to a single data source we are able to use a higher percentage of carryover components. The information is centrally managed and available to all stakeholders, which improves our competitiveness and technology leadership with innovative products that rapidly respond to farmers’ evolving needs.”

MASCHIO GASPARDO

– Andrea RUFFIN
Technical Director
Maschio Gaspardo

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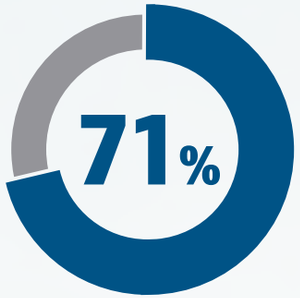
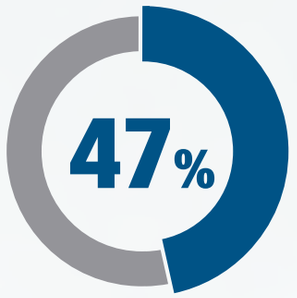
FNSS

“There are 6000 to 7000 tasks created and scheduled in ENOVIA (on the **3DEXPERIENCE** platform). When an engineer starts his job in the morning he can see in the ENOVIA dashboard what task should be completed, what is late, and what is coming in the future.”

– Mehmet TUNÇ
IT & Data Management Department Manager
FNSS



WERE NOT COMPLETED ON-TIME



WERE OVER –BUDGET

*Wellington. The State of Project Management 2020

INCREASE VISIBILITY

MAKE SMARTER DECISIONS, FASTER.

CHALLENGE

Delivering projects on time and on budget is difficult. In fact, a recent study found that 71% of projects are delivered late and 47% are over budget*. While many factors contribute to project failures, a key reason is that project management applications and product development tools are disconnected. Project managers must manually collect and report on project status information, only for the data to become quickly outdated. This prevents them from spending time proactively managing resources, identifying risks and resolving issues to keep projects on track.

OPPORTUNITY

The **3D**EXPERIENCE platform provides data-driven projects that connect tasks directly with product designs and related data. Browser-based project dashboards provide real-time status of deliverables, tasks and dependencies. With clear visibility into project status, it is possible to make better decisions that mitigate identified risks, resolve issues and find new opportunities to ensure a project’s success.

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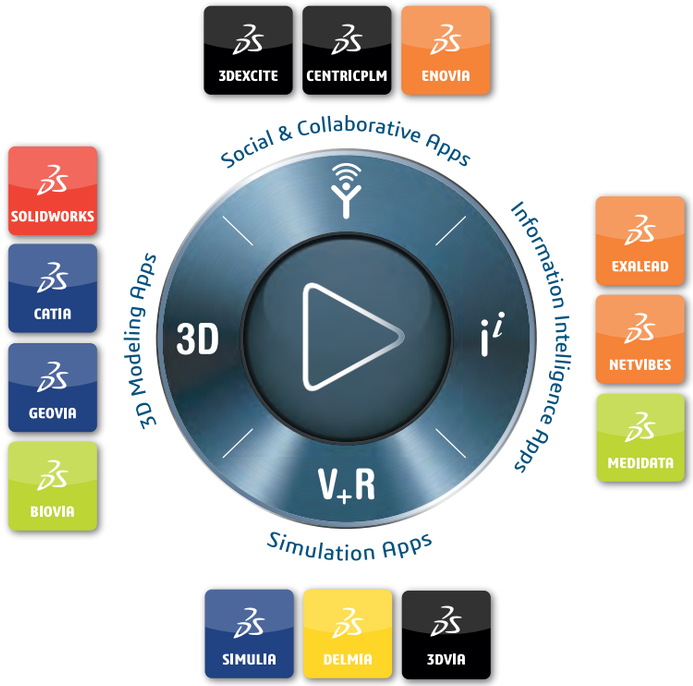
To learn more about the **3D**EXPERIENCE platform and the process of transitioning from SmarTeam, contact your Dassault Systèmes partner.

Our **3DEXPERIENCE®** platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 250,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.



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