



Lean without Limits

GUIDE TEAM ENGAGEMENT AND IMPROVE OPERATIONAL EFFICIENCY WITH DELMIA 3DLEAN



3DLean



INTRODUCTION

8 TEAM CHALLENGES ON THE PATH TO OPERATIONAL EFFICIENCY

1. "HEY, WHERE DID EVERYBODY GO?"
 2. "WE'RE GOING TO NEED A BIGGER BOAT!"
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Your new project is kicking off today. When your first meeting commences, you find that those in attendance are either underprepared or seem unengaged. You try to steer the meeting back on track to focus on the objective, ticking off items from your team's to-do list and making sure everyone knows what they have to work on next. In the end, the meeting runs half an hour more than expected and as the project progresses, you discover that some of your team don't have what they need to carry out their tasks properly. This results in a lot of back and forth to finally get to where they need to be—ultimately, wasting more time.

Does this scenario closely reflect the reality you and your teams are living? If it does, you're not alone. Traditional team interactions are not truly collaborative, resulting in many a missed opportunity for problem-solving and follow-up, and could lead to the creation of more operational problems.

This ebook highlights today's most pressing concerns that manufacturing and operations leaders must help their teams address and offers a solution that accelerates the path to operational efficiency.



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Every leader, whether a CEO or department head, wants to be able to make full use of their resources in order to drive improved outcomes for the business. And to do so, they must ensure that their most important resource, their people, are prepared and motivated to help achieve those goals. Team-based work systems have proven to generate greater value for workers and the enterprise, but these systems also come with their own set of unique issues.



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1 "HEY, WHERE DID EVERYBODY GO?"

Teams are Disconnected:

Did your in-person team meetings suddenly become virtual? Are you having trouble keeping team members in the loop?

The reality:

Apart from the sudden separation of teams due to COVID-19, many organizations have teams operating separately in departmental silos. This can lead to ineffective teamwork, a lack of structure and discipline and employees feeling isolated, which can impact their productivity and level of contribution.

The remedy:

Leaders must enforce effective ways in which their teams can continue to work efficiently regardless of organizational barriers or physical locations. They need to allow teams to communicate in engaging ways by simplifying live interactions, enabling team members to feel more involved and empowered to make autonomous decisions.



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2 “WE’RE GOING TO NEED A BIGGER BOAT!”

Tasks Becoming More Complex:

Did your team initiative suddenly transform from a minnow into a great white? Did the level of effort just exponentially increase?

The reality:

Complex work or projects and hard-to-visualize data and content can lead to a lack of team focus, overlapping responsibilities and disorganized key metrics. What’s more, teams may feel forced to increase their effort to get the job done, and that kind of pressure doesn’t always result in the most optimal performance and quality. This is where some teams may resort to holding drawn-out meetings, which wastes time when those meetings don’t help drive specific outcomes and actions.

The remedy:

Leaders need to rally their teams to keep track of who’s accountable for what and how to organize the key metrics to make sure everyone knows what’s important. An environment that enables full visibility over operations can help manage this and ensure complex work gets tackled systematically and effectively by all members.



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Complicated Tools That Only Increase Complexity:

Do your teams find that complexity is the enemy of execution? Are the tools they use so complex that they struggle to drive continuous improvement?

The reality:

When the work is already complex, adding on tech or tools that aren't easy to use may prove to hinder your team's progress. Traditional meeting solutions tend to miss simple goals, such as assigning or tracking decisions and actions, resulting in additional workload and confusion.

The remedy:

Creating digital versions of the simplest meeting formats, like whiteboards and sticky notes, allows teams to improve without adding complexity. Investments in team efficiency pays huge dividends in productivity and Lean improvements.



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“HOUSTON, WE HAVE A PROBLEM”

Business Plans Not Getting the Expected Results:

Did your product launch party just turn into an explosion on the launch pad? Has your mission control center suddenly changed from serenity to panic stations?

The reality:

Plans fail to meet desired outcomes due to uncollaborative team interactions that result in missed opportunities for innovation and improvement. On top of that, teams need to understand ever-changing product and process data, KPIs and a myriad of other reference information to make quick decisions.

The remedy:

Teams need guidance on how to see possible solutions to operational problems. Make it easier for them to work with and visualize complex data via an environment that translates that data into actionable initiatives, providing all team members full access to relevant, intelligible information so they can keep their eye on the prize.



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Sustainability:

Are your sustainability goals not having the environmental impact you hoped for? Are there still opportunities to do more and use less?

The reality:

Sustainability is dictating a new set of values that companies must adopt to ensure relevancy, conquer new markets, prepare the workforce of the future and, more importantly, become part of the solution. Opportunities to improve are endless, even if they are only small or incremental. To reach enterprise sustainability goals and reduce environmental impact, teams need to find new ways to do more with less—starting with how they work.

The remedy:

Leaders must empower their teams to reimagine their approach to operations and make “Lean thinking” a natural part of the system. It is essential to guide team collaboration to help standardize work processes, manage actions to improve performance and eliminate waste in every sense of the word.



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Challenge the Status Quo:

Are your teams stuck back in time with old principles and paradigms? Do they lack the ability to engage and challenge the status quo?

The reality:

This happens when organizations enforce “top-down” work cultures, which can stifle engagement and hence innovation.

The remedy:

Teams need to feel empowered to break free from traditional thinking and explore innovation. Motivating teams to engage and interact dynamically drives accountability and guides team behaviors to capitalize on innovation and Lean opportunities in every meeting, every day.



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Attracting the Next Workforce Generation:

Do you have a digital pitch to attract the next generation of workers? Do workers see your vision for enabling a modern working environment?

The reality:

The growing generation of new workers expect more from companies in terms of digital capabilities, a modern interactive environment and the freedom to innovate and make impactful decisions. For manufacturing and operations in particular, it is critical to future competitiveness to attract employees that are able to meet the rising demand for technological, social and higher cognitive skills and an imperative of life-long learning.

The remedy:

Entice new candidates and retain existing workers by connecting them in digital environments that drive structure and purpose. Having the ability to interact effectively with peers and managers will allow teams to achieve the satisfaction that comes with feeling more connected.



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Business Strategy Ideation:

Is your team struggling to come up with the vision of the future? Are strategy and business ideation processes being left on the shelf and gathering dust?

The reality:

Teams play a major role in ensuring that business goals are met, but that cannot happen unless they can effectively and efficiently collaborate and brainstorm new ways to innovate and improve. They need structure and organization to make the best use of valuable time.

The remedy:

Capitalize on company knowledge as well as your teams’ collective intelligence by leveraging virtual models, processes and resources to develop plans for improvement. This will open the door for your teams to discover new avenues of value generation.



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It's clear by now that overcoming these challenges means the need to transform team operations to improve their productivity, work quality and agility. This may seem like a Herculean task but starting on the right foot can make all the difference. Solving the main issue of unstructured, ineffective teamwork will require visibility across operations, accountability from all team members as well as improved collaboration. In addition, understanding the power of the collective intelligence and potential of your teams to solve problems and be efficient together enables them to create more value for the organization. To better facilitate this, organizations and team leads must create an environment and conditions that encourage workers to commit to a shared objective.

This can be enabled leveraging a collaborative digital solution with an engine powerful enough to connect the dots between people, ideas and data. Such a tool will allow you to optimize team operations, grant team members autonomy as well as encourage impactful, efficient interactions between teams and all stakeholders in the enterprise, ultimately driving greater business outcomes.



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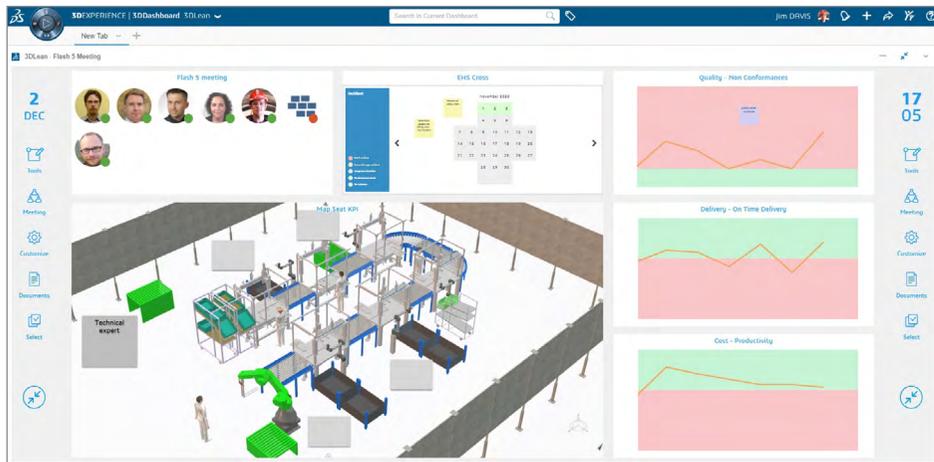
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DELMIA 3DLean is a modern, customizable and interactive tool designed for operational teams anywhere—in the factory, warehouse or service center, and across departments. DELMIA 3DLean is powered by the **3DEXPERIENCE** platform and applies the same principle: leveraging virtual universes to model and optimize resources and work processes before performing them in the real world. It allows teams to capture, monitor and track operational meetings and problem solving, providing the ability to aggregate relevant and key information from different areas of operations.



Aggregate and display key and relevant information from different areas according to the immediate tasks/operations.



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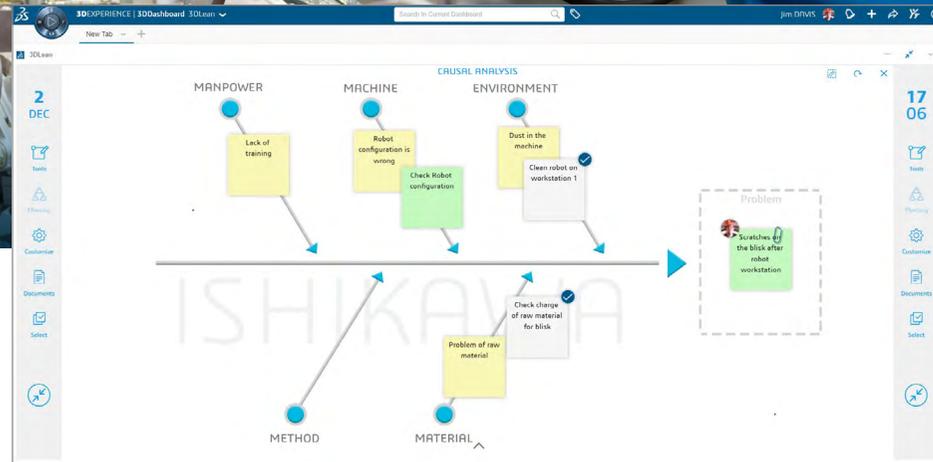
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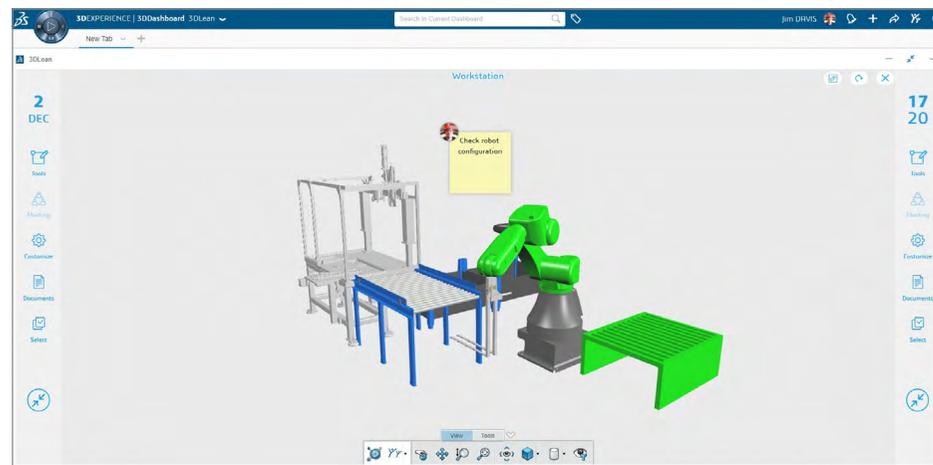
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As its name entails, 3DLean operates on the foundation of “Lean” or Kaizen: a methodology typically used in manufacturing that works to eliminate all categories of waste and maximize efficiencies. It puts Lean principles into action to address operational waste, variability and efficiency by engaging the next generation workforce regardless of where or how they work. On top of that, teams can explore new ways to solve problems and improve operational issues with the ability to visualize rich 3D content and data, made easy with 3DLean.



Leverage Lean methodologies and principles as guides and aids towards common activities such as problem solving and root-cause analysis.



Seamlessly work with rich 3D content and visual data to explore operational issues and areas for improvement and innovation.

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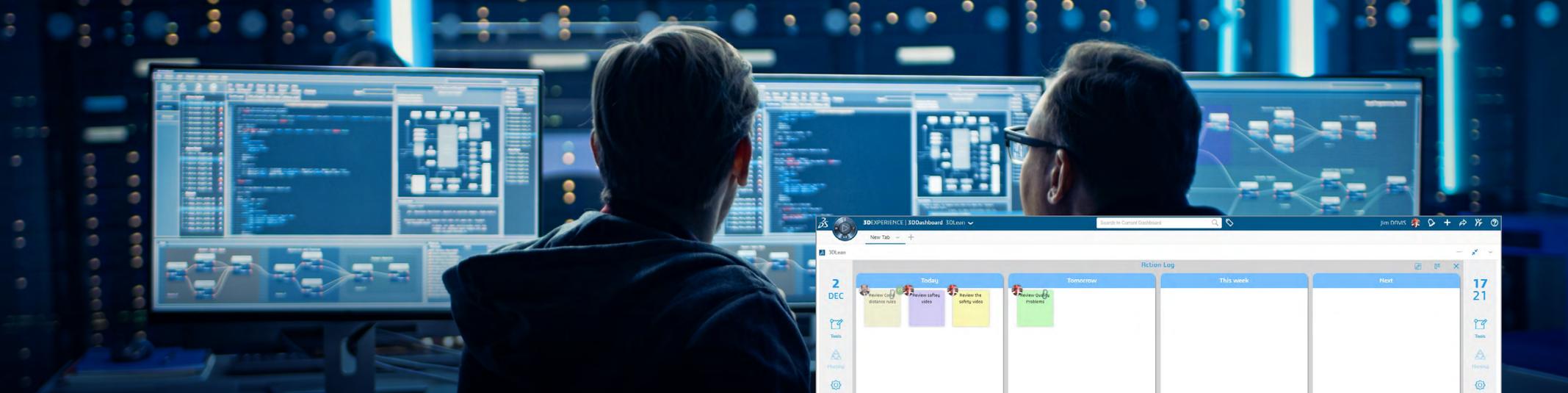
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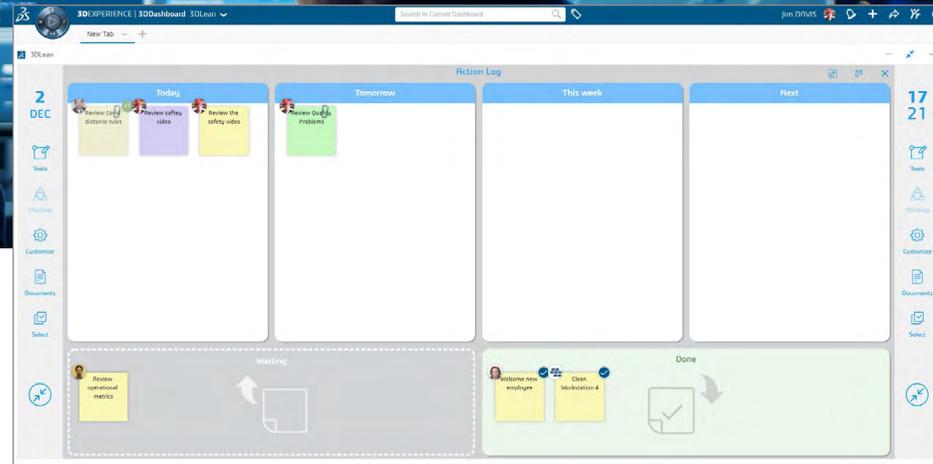
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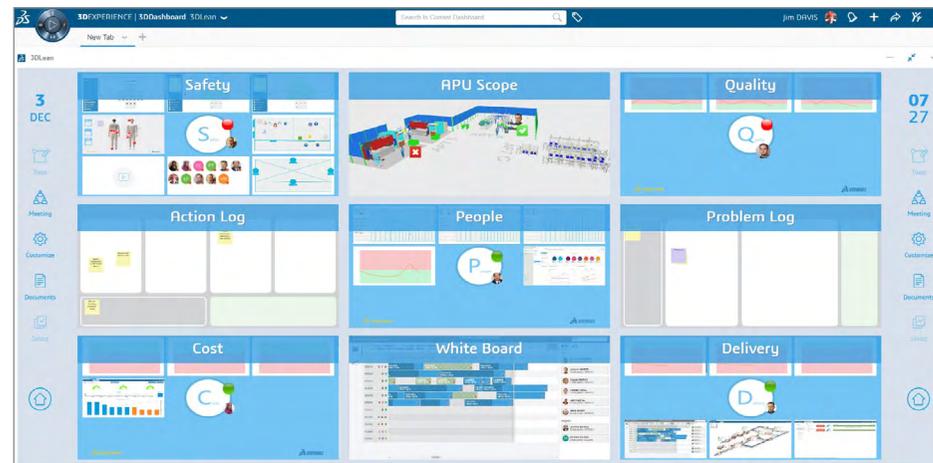
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This widget-based web app provides an interactive environment accessible to everyone on the cloud, bringing people together in a structure that guides discovery, analysis and collaboration to nurture better team relationships and improve performance. Using touchscreens on the shop floor or collaborating virtually with remote workers, it drives constructive behaviors to help teams make better decisions and manage actions. It delivers a common, clear and up-to-date view of operations, digitally connecting all users in the organization so everyone from teams to stakeholders can have visibility into, control over and synchronization across the enterprise.



Manage actions and drive accountability using familiar methods updated for the digital age.



Align teams around common goals and metrics across all aspects of production and operations.

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Teams will be able to:

- 1** Digitalize and easily deploy Lean practices
- 2** Animate and collaborate digitally in operational meetings
- 3** Access and contribute to the Leanboard between meetings, ensuring the whole team remains informed, involved and updated
- 4** Innovatively solve problems leveraging visualized data and evidence
- 5** Capture and retain institutional knowledge, intellectual property and know-how

Regardless of role, DELMIA 3DLean supports various team challenges and goals to continuously improve operational efficiency. It helps companies and teams reimagine, enhance and optimize their practices at every new turning point in operations by these means:



ENGAGE

Build better team relationships despite physical or organizational barriers



REVEAL

Visualize 3D content and data with a digital Lean framework



IMPROVE

Make 'Lean thinking' a standard part of business, teams and culture

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We foresee businesses that leverage 3DLean expanding the scope and reach of Lean practices across the board to new geographies and organizations previously not exposed to them. Companies will be able to better preserve, expand and extend accumulated knowledge, know-how and best practices for the coming workforce, thus further promoting collaboration and decision support.

Our customers are leveraging 3DLean today to help guide engagement, improve performance and deliver sustainable benefits for their teams, garnering them these transformational results:



BEFORE

- **Unengaged employees**
- **Ineffective teamwork**
- **Massive amounts of hard-to-work-with data and content**
- **Wasted time and resources**
- **Missed opportunities for improvement**



AFTER

85%
workers feel more involved in meetings

100%
increase in identification of issues and actions

92%
workers find positive impact to daily tasks

92%
workers say information is easier to find

7%
time savings

1-2%
overall productivity improvements

With the necessary knowledge and resources readily available on demand, and your workers understanding their roles in the organization and value network, you can enable them to work better, more efficiently and become "Lean without limits".

For more information on how DELMIA 3DLean can help you kick-start your team's journey to operational excellence, please visit <https://discover.3ds.com/discover-3dlean> or request for a free demo.

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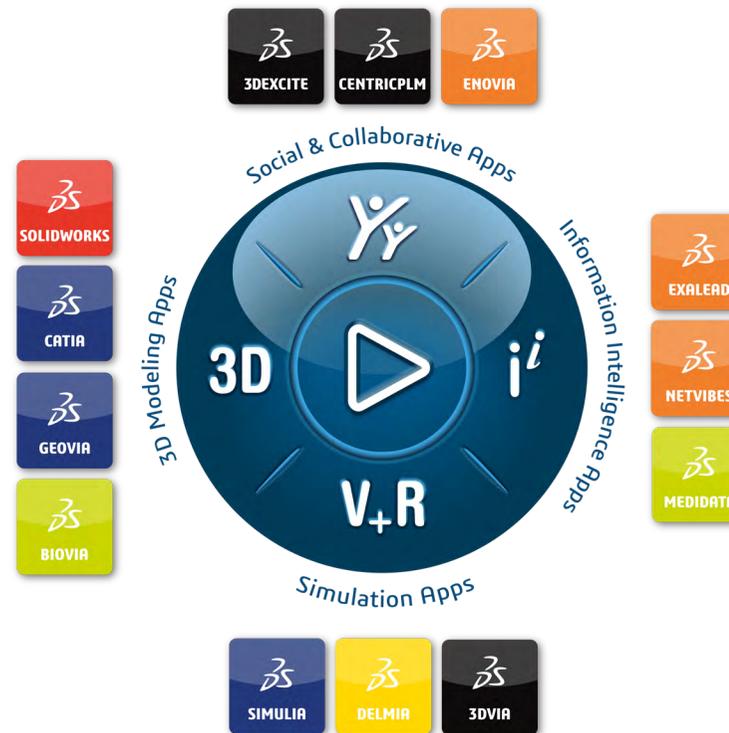
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Our **3DEXPERIENCE®** platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.



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