



The image shows two men in a factory environment. The man on the right is wearing a VR headset and gesturing towards a glowing blue 3D model of a turbine component that is floating in the air. The man on the left, wearing glasses and a light blue shirt, is also gesturing towards the model. The background shows industrial machinery and a red structure. The text 'THE POWER OF CONNECTIONS' is overlaid in white capital letters.

THE POWER OF CONNECTIONS



THE PATH TO POWER

Leading companies embrace digital technology to support their strategic business objectives. **A digital transformation initiative involves rethinking the way your organization and its value chain operate.** When implemented, Dassault Systèmes' **3DEXPERIENCE®** platform allows your organization to make data instantly and securely accessible to anyone who needs it, at any location and on any device. Users on the collaborative platform can make better, more informed decisions.

How many business processes will you optimize via digital transformation? Inefficient processes and information sharing practices present major hurdles for your teams to overcome, and legacy systems only add to the complexity. **Embrace the 3DEXPERIENCE platform as the catalyst to improve the way your organization works.** The platform connects the dots between people across disciplines and functions with everyone using one version of the truth. Connect team innovation and product data with the Dassault Systèmes industry leading solutions and platform.

EXPERIENCE IS POWER

The **3DEXPERIENCE** platform creates a consistent source of data from connected systems that your teams can access and leverage across the product lifecycle. The **3DEXPERIENCE** platform goes beyond digital continuity.

The **3DEXPERIENCE** platform supports multiple disciplines with data-driven and model-based apps that enable all stakeholders to share a single source of truth and collaborate more effectively. It offers full end-to-end traceability while maintaining a single source of requirements for managing the history of changes and the decisions behind them.

6 ways the **3DEXPERIENCE** platform – on premise or on the cloud – optimizes your business processes:

- Breaks down traditional barriers and enables information transparency to improve collaboration
- Digitizes information using a 3D model-based approach
- Automates business processes through business intelligence
- Delivers the power of simulations and analytics to assess, monitor, anticipate and act
- Capitalizes on validated, proven standards as well as industry specific templates and practices for reuse
- Transforms business processes and your company's business model to be more nimble and competitive



BREAKING SILOS & CONSERVATISMS

FROM DISCONNECTED SILOS TO COLLABORATIVE NETWORKS



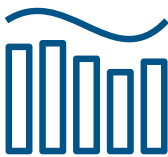
DIGITIZED BUSINESS PROCESSES & 3DEXPERIENCE PLATFORM

FROM STATIC DOCUMENTS TO DATA



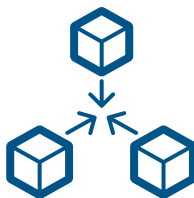
BUSINESS PROCESSES AUTOMATION

FROM MANUAL TO AUTOMATED



PREDICTIVE SIMULATION & ANALYTICS

FROM REACTIVE TO PREDICTIVE



STANDARDIZATION, MODULARIZATION

FROM REDO TO REUSE



THE POWER OF COLLABORATION

Bringing teams together via one source of information improves collaboration and increases productivity. When team members exchange ideas and make decisions in real time, they can get work done more quickly. Offering many advantages, the **3DEXPERIENCE** platform provides a digital product representation using a single 3D model accessible to all functions and stakeholders to contribute at every stage of the product lifecycle.

Available on premise and on the cloud, the **3DEXPERIENCE** platform and its robust applications offer an easy to-use interface that powers design, simulation and a real-time collaborative environment.

The **3DEXPERIENCE** platform:

- Provides a precise virtual model that all stakeholders can access, test and modify in accordance with their roles
- Enables concurrent instead of sequential work across all functions and partners
- Allows products and processes to be optimized virtually for unprecedented efficiencies
- Harnesses the power of simulations and analytics to assess, monitor, anticipate and act
- Capitalizes on validated, proven standards as well as industry-specific templates and practices for reuse

THE POWER TO IMPROVE COMPETITIVENESS

The **3DEXPERIENCE** platform enables the knowledge, knowhow, and efficiencies that are only available through a real-time view of all data.

Leading aerospace and defense companies must navigate growth across many segments. With an appetite for greater risk and an early track record of rapid innovation, new entrants like Boom Supersonic and other



vertical take-off and landing (VTOL) players are entering the marketplace in greater numbers and are using the latest technology to be more agile.

To remain competitive, established companies in this sector strive to continually improve operations. **By implementing a platform approach, companies of all sizes have the ability to empower their workforces, increase productivity, lower costs and improve competitiveness.**¹

Leaders at Brazilian aerospace manufacturer Embraer discovered these benefits as they strove to modernize and help functional teams communicate effectively. Embraer deployed ENOVIA applications on the **3DEXPERIENCE** platform to achieve cross-site digital continuity and provide real-time access to accurate product and build information. As a result, engineers were able to shorten the development cycle while improving quality and design.

“We are seeing more and more innovation.”

– Mauro KERN
Executive Vice President of Engineering

The company also implemented DELMIA to increase productivity, clarify product assembly procedures and facilitate collaboration among workers on the shop floor. “DELMIA has simplified the manufacturing process,” noted Humberto Pereira, senior vice president of engineering and technology.



THE POWER OF THE VIRTUAL EXPERIENCE TWIN

Many industrial equipment companies want to provide enhanced, customized offerings that adapt to their customers' changing requirements over time. To do so, they have moved beyond simply selling products to engage with their customers before the sale as well. **A customized digital experience places customers at the heart of how products are designed, produced and delivered and captures insights across the entire business ecosystem to inform new equipment design.**

Italian manufacturer Maschio Gaspardo employed this strategy when the company sought to develop an extensive product line tailored to farmers' diverse needs.

The company's engineering team combined mechanical design and product lifecycle management capabilities on the **3DEXPERIENCE** platform to keep track of product modifications and version control. In this way, Maschio Gaspardo was able to manage a vast

array of files and minimize redundancies without redesigning existing parts.

"This is a strategic initiative for us, since we have a complete range of products and a huge number of components to manage," said Massimo Crozzoli, chief information officer. "We can maximize design reuse and benefit from our intellectual property."

Maschio Gaspardo's mechanical designers and engineers have eliminated physical prototypes thanks to the **3DEXPERIENCE** twin. They now collaborate efficiently on a global scale.

**“With the 3DEXPERIENCE platform,
we've drastically reduced waste and costs.”**

– Andrea RUFFIN
Global R&D Manager



THE POWER TO ACCELERATE

The automotive industry is changing one-hundred-year-old business practices in order to maintain quality, reduce costs and compete with new entrants. The complexity of today's smart, connected vehicles continues to increase as the future of autonomous transport becomes reality.

As the complexity of products grows, the 3DEXPERIENCE platform enables companies to identify and solve issues virtually across teams improving the way the entire organization works.

Jaguar Land Rover's heritage comprises some of the world's most iconic vehicles. Having passed through the corporate hands of Ford, Jaguar Land Rover (JLR) has emerged within Tata Motors as an exciting, dynamic global enterprise. Managing a complex mix of auto industry software from its previous owners, JLR discovered that its data wasn't scaled to its aggressive expansion plans. Offering one place for teams to create, access, experience and share data in real time, the **3DEXPERIENCE** platform was the answer.

JLR used ENOVIA applications on the **3DEXPERIENCE** platform to provide a single source of regulatory information to better manage collaboration across multiple teams, to accelerate growth and to reduce development time.

“When information is open and shared,
skills can be deployed more effectively.”

– Paul DAVIES
Product Development Operations Director

As designs progressed, JLR's workers also simulated and validated virtual production environments with DELMIA manufacturing software on the platform. The company not only enhanced innovation and increased efficiency by deploying Dassault Systèmes solutions; they also reduced their use of energy and other resources.



THE POWER TO CURE

The pace of change in the life sciences industry is both exciting and extraordinary, resulting in core paradigm shifts in business strategies and processes. Life sciences manufacturers meet these challenges by driving innovative processes throughout their ecosystems.

Dental implant and medical device manufacturer Osstem Implant's vision is to become the world's number-one implant company by 2023. The company sought to eliminate disconnected legacy processes and data to increase the efficiency and accuracy of its product quality control. While pursuing this challenge, the company also had to meet their national and international product-compliance responsibilities if they expected to gain global market share.

“Rising scrutiny around health-related products forces us to devote much of our R&D to regulatory activities rather than on developing new products. Gaining global market share calls for diversification and rapid delivery of innovative products to the consumer. Our regulation activities should not stand in the way of that. Satisfy regulatory requirements, yes, but not at the expense of new product development.”

– Kim TAE-YONG
Head of Information Systems Management



EXPERIENCE THE POWER

The **3DEXPERIENCE** platform offers you the opportunity to improve virtually every phase of your operations by giving you the power to fully innovate. Supporting collaboration across the organization and throughout the entire product lifecycle, the platform offers a single easy-to-use interface that powers design, simulation and manufacturing in an engaging, interactive environment.

The **3DEXPERIENCE** platform and its integrated solutions give your enterprise the power of connections.

Learn about other companies that experience the power of the **3DEXPERIENCE** platform:

<https://www.3ds.com/customer-stories/>

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

Dassault Systèmes, the **3DEXPERIENCE®** 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.

