

THE PATH TO BETTER  
COLLABORATION

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ASSYSTEM

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VERITAS

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FLOW  
ROBOTICS

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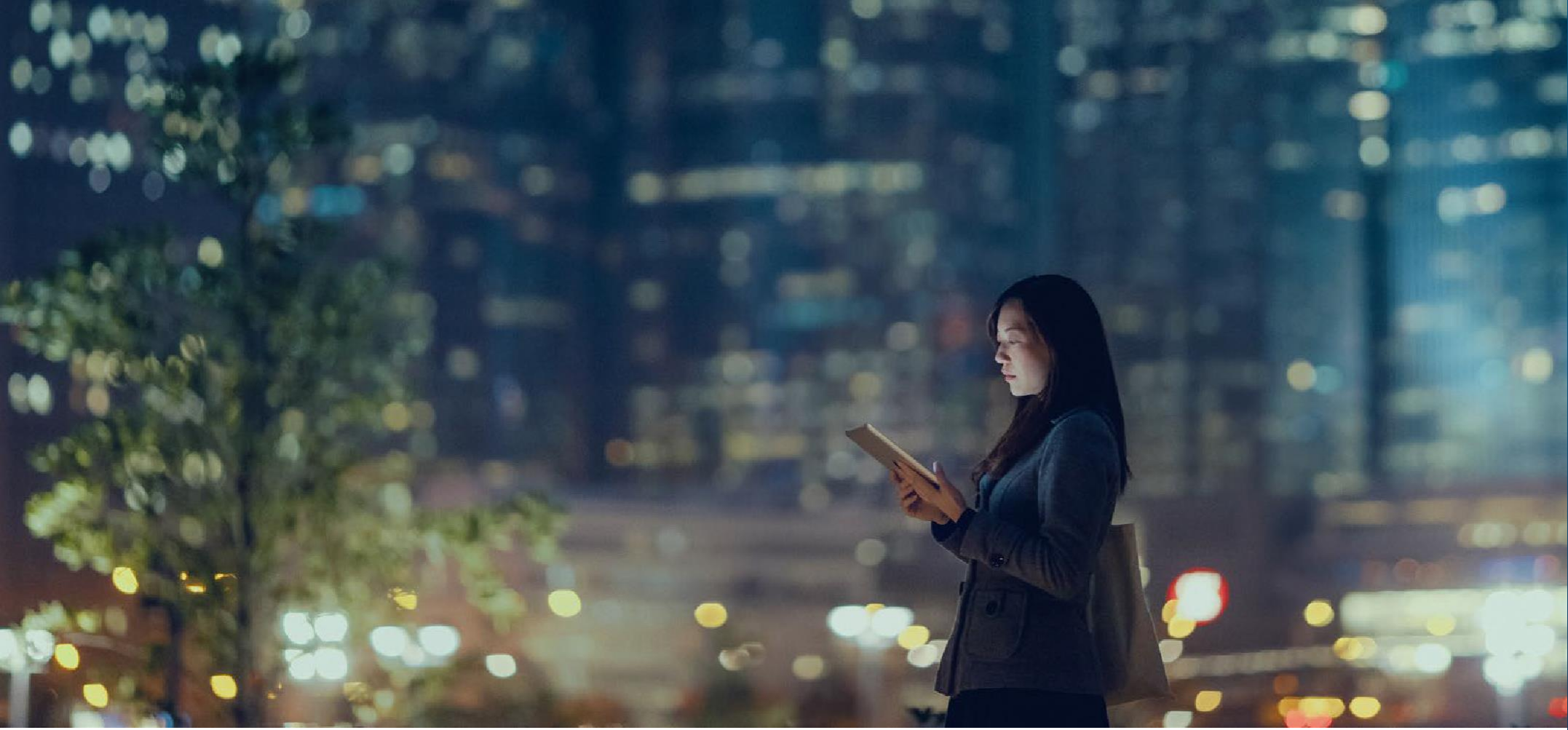
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GROUP

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EXPERIENCE THE  
POWER

# THE 3DEXPERIENCE PLATFORM

Better Collaboration



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## THE PATH TO BETTER COLLABORATION

### A Single Version of the Truth for All

High-performance organizations understand collaboration is a key component of their success. It starts with a single version of the truth. The **3DEXPERIENCE** platform creates the conditions for a common language and methodologies to share inside and outside your company. Next, it makes your version of the truth always visible to your stakeholders across all disciplines – design, engineering, lifecycle management, manufacturing, operations, customer service, etc. Having a single representation of your project, product, innovation, or service empowers all stakeholders to perform

various processes, calculations or tasks and then share statuses and results. This accelerates cross-discipline collaboration and boosts transparency and traceability. Finally, it enables additional opportunities for excellence by making it easy to leverage learnings (often in the form of data) across the different teams to make better, more informed decisions.

## Support Talent Inside and Outside Your Enterprise

By deploying a single, secure, collaborative environment made available in the [cloud](#) (or, if preferred – on premise) that helps all team members interact with one another in the context of the processes, content, and data. The **3DEXPERIENCE** platform helps companies carry out work as a single unit – tightening working relationships between designers, engineers, suppliers and even customers.

By connecting individuals, teams, departments, and suppliers, the **3DEXPERIENCE** platform helps everyone to work more efficiently and productively using an engagement layer available [anywhere, anytime, on any device](#). Stakeholders easily access, edit, and review any model or document in real time making file exchange over file server or insecure email outdated. Moreover, when inspiration strikes staff can instantly act on it, no matter where they are.

## Take Advantage of Versatile Collaborative Options

A platform integrating project management and collaboration is instrumental to formalize and orchestrate projects, activities, and

processes allowing real time visibility and traceability. With the **3DEXPERIENCE** platform, team members interact in real-time and interactions are tracked in the context of the processes, the content, the data and the involved parties. In this way, collaboration is both focused and fluid.

The platform also allows for less structured collaboration and interaction in the form of smaller virtual spaces (communities and conversations) that let individuals convene for a specific purpose in a more ad hoc manner. The spaces could be active for a few days to solve an unforeseen issue or on a more permanent basis to allow customers to participate in co-creation activities.

Platforms with strong collaboration capabilities have an intrinsic asynchronous quality, making them ideal for global value chains (and their participants). In a sense, the **3DEXPERIENCE** platform enables consistent collaboration without requiring every single contributor to be available at the same time.

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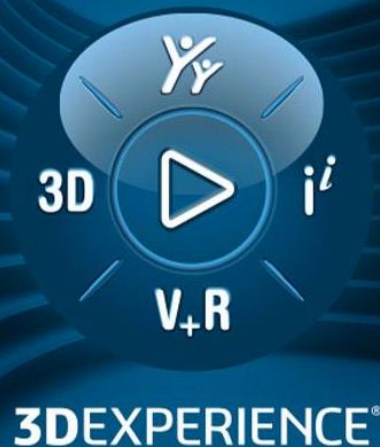
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## ASSYSTEM

### Challenge

Assystem, an independent engineering group supporting the nuclear industry, needs to continuously improve their competitiveness, especially in new build programs.

### Solution

The company chose Dassault Systèmes' **3DEXPERIENCE** platform and the Capital Facilities Information Excellence industry solution experience to increase the value of its solutions through digitalization.

### The **3DEXPERIENCE** platform:

- Offers a common language and methodologies that can be shared within the company and with external partners and contractors.
- Reduces the number of hours spent on a project by sharing ideas and expertise in real time.
- Improves productivity with less modifications and reworks.
- Makes handovers to manufacturing easier and much more effective as all the manufacturing and assembly information is already integrated into the model.

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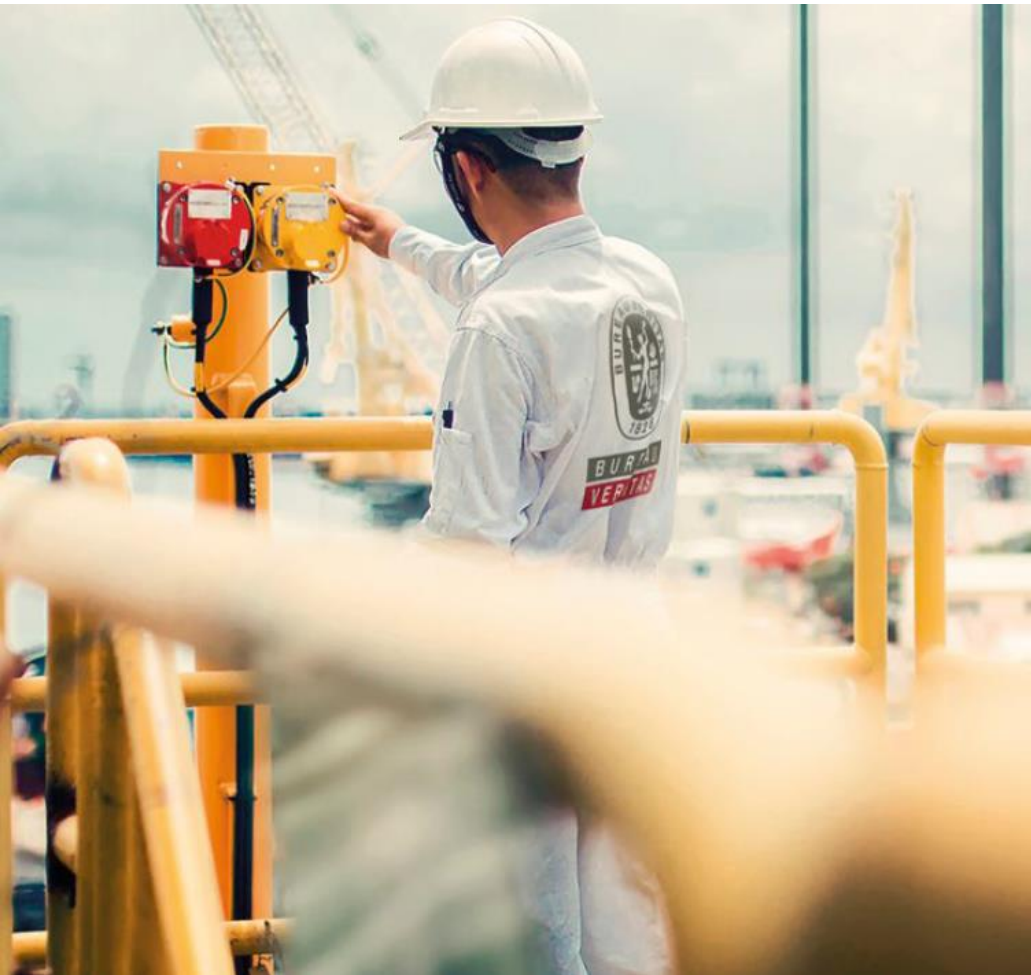
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## Challenge

Bureau Veritas, a global testing, inspection and certification company, and Naval Group, European leader in naval industry, wanted to improve the standard classification process of vessels to gain competitiveness.



## Solution

The company chose Dassault Systèmes' **3DEXPERIENCE** platform and the Capital Facilities Information Excellence industry solution experience to increase the value of its solutions through digitalization.

### The **3DEXPERIENCE** platform:

- Delivers a robust and integrated environment to build a single digital representation of each vessel that everyone can share to perform different calculations.
- Connects Bureau Veritas with its ecosystem of clients and their contractors.
- Helps make communication between the globally-dispersed teams smooth and efficient.
- Improves the quality and speed of exchanges between the certification company and the shipyard.

“The different stakeholders can better share information and connect data on this platform to our different calculation tools, which will improve accuracy and traceability.”

— Matthieu de Tugny,  
President, Marine & Offshore, Bureau Veritas

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## FLOW ROBOTICS

### Challenge

Demand for Flow Robotics' liquid handling robots is growing steadily. The Danish manufacturer needed a high-performance platform to help scale up production of its robots and accelerate its product development processes.

### Solution

Flow Robotics found the answer in the **3DEXPERIENCE** platform on cloud, which it uses across its business to manage all product development data and define a common working environment for multidisciplinary collaboration. The product lifecycle management (PLM) platform now serves as a central repository for drawing templates and a standard components library, while supporting automatic bill of materials generation.

### The **3DEXPERIENCE** platform:

- Facilitates the definition of new processes and workflows to achieve effective multidisciplinary collaboration.
- Provides a better understanding of each project status at any given point in time.
- Increases innovation bandwidth and success rates through collaborative use of validated models and methods.
- Leverages the data created in such a way that staff tasks become easier and more efficient.
- Reduces administrative tasks.

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## VERTICAL AEROSPACE

### Challenge

UK aviation startup Vertical Aerospace plans to be first to market with its innovative electric vertical takeoff and landing (eVTOL) aircraft. As the company builds its business from scratch, it needs a robust platform to support its entire product development and certification process and bring together all disciplines in one place to innovate at speed.

### Solution

Vertical Aerospace is building its revolutionary aircraft and defining its processes on the **3DEXPERIENCE** platform on the Cloud with the Reinvent the Sky industry solution experience. This gives the company access to enterprise-level design, engineering and simulation software in a single, secure, standards-based environment.

### The **3DEXPERIENCE** platform:

- Supports the company's efforts to develop its product and processes in parallel and build a virtual twin of its aircraft that incorporates all disciplines and operations.
- Delivers a one-stop shop and single source of truth for Vertical Aerospace and their business partners allowing them to work concurrently wherever they are in the world.
- Brings all functional teams together and enhances collaboration between them.
- Empowers all users in the company to access the information they need to keep projects on track.

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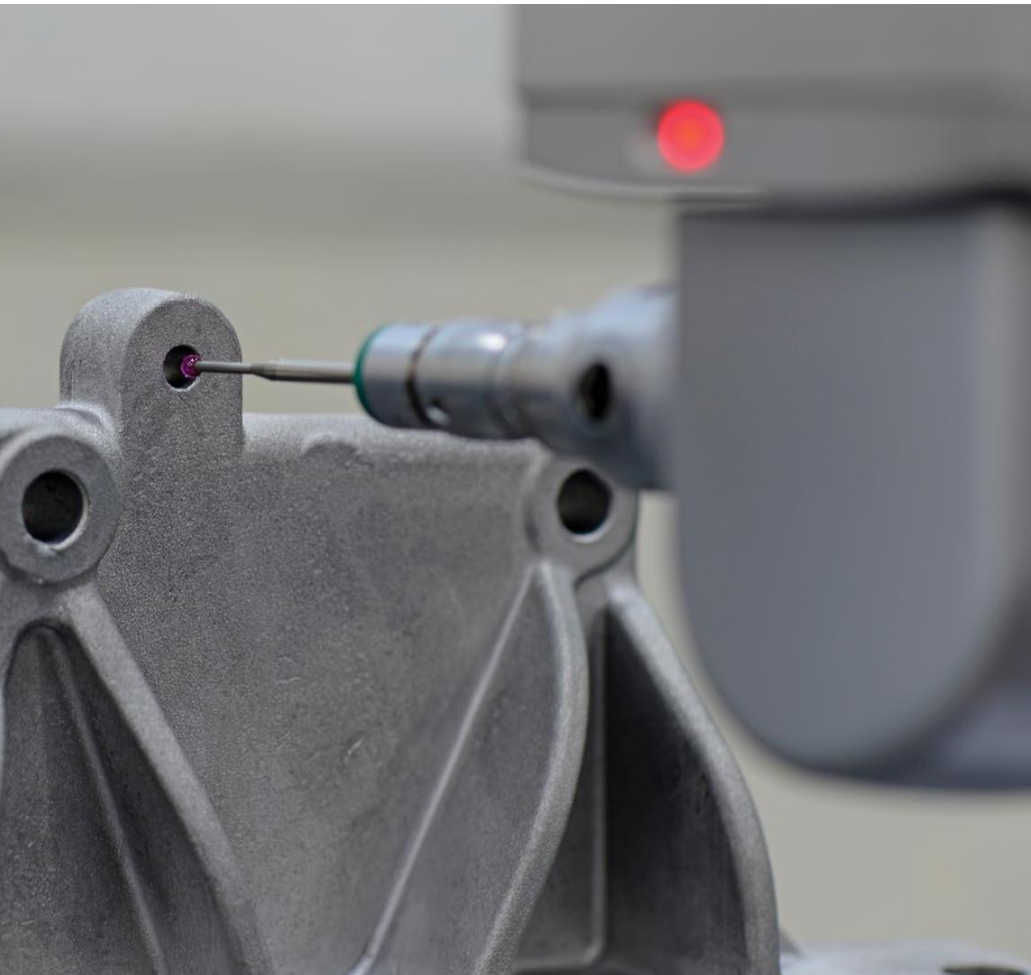
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## Challenge

Turkey-based industrial manufacturer Yeşilova Group supplies aluminum parts and components to Tier 1 automotive manufacturers. It needed to centralize its data to improve collaboration with clients, enable concurrent engineering between teams and shorten design time.



## Solution

The company selected the **3DEXPERIENCE** platform on the cloud with the industry solution Bid to Win to bring together its design and product lifecycle management processes and data in one place. Cross-discipline integration and rich design functionality allow Yeşilova's engineers to define, simulate and validate designs for each client with full traceability.

### The **3DEXPERIENCE** platform:

- Integrates Yeşilova's design and product lifecycle management software in one place to enable cross-discipline collaboration.
- Accelerates its design processes as engineers working from different locations use the most up-to-date information hosted on a single infrastructure.
- Achieves full traceability throughout the entire product development lifecycle and beyond.
- Promotes a new collaborative approach that resolves design issues early – before they become costly and impact production.

“Our plan is to integrate all disciplines on the platform so that everyone has a single view of the product lifecycle. This is essential for us and one of the main reasons we chose **3DEXPERIENCE**.”

– Onur Sinak,  
Product Development Engineer, Yeşilova





## EXPERIENCE THE POWER

The **3DEXPERIENCE** platform offers you the opportunity to improve virtually every aspect of your business by giving you the power to fully innovate. Supporting collaboration across the organization, the platform offers a single easy-to-use interface that powers design, simulation and manufacturing in an engaging, interactive environment. The **3DEXPERIENCE** platform gives your enterprise the power of better collaboration.

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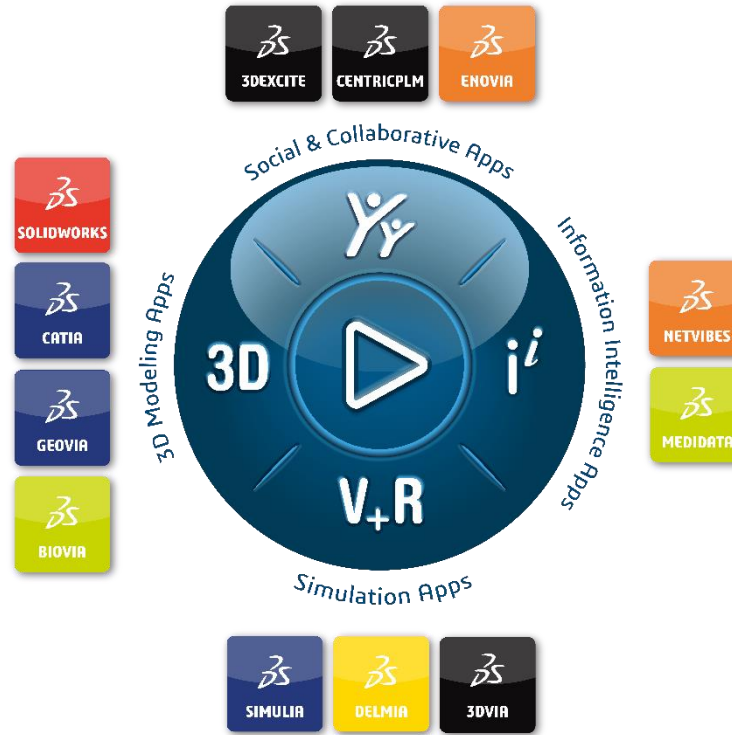
Learn about other companies that experience the power of the **3DEXPERIENCE** platform:

<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, 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](http://www.3ds.com).



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