

# Modernize Engineering

Streamline your infrastructure  
and collaboration with DXC



Success means dealing with pressures to innovate and expand your product portfolio, reducing time to market and costs, and collaborating better. DXC can help.

### **Stay ahead of the competition**

Manufacturing OEMs, JVs and top-tier suppliers need to secure their design systems and processes with their subsuppliers while speeding up the onboarding process and integrating engineering partners. Being highly aligned increases collaborative engineering value and success in the overall process.

**With DXC engineering Virtual Desktop Infrastructure, you can:**

- Improve business outcomes
- Ensure responsiveness
- Improve security
- Gain mobility options
- Support global engineering

DXC provides a seamless delivery experience and guarantees leading-edge technology innovation.

HPE multi-GPU card supports a higher density of users with NVIDIA Passthru and vGPU, and traditional NVIDIA graphic card support. This hardware combined with DXC Services creates unparalleled performance for your end users.

Discriminating customers and intense competition require product development and manufacturing companies to offer more customized and innovative products than ever before. They also want the newest products quickly and at the lowest cost. This means expanding their company portfolios with products, models and variants that capture even the smallest microsegment and customer-demand niche. It also means applying the latest product technology innovations and coping with increasing product complexity.

Original equipment manufacturers (OEMs), joint ventures (JVs) and top-tier suppliers need to secure their design systems and processes with their subsuppliers while speeding up the onboarding process and integrating engineering partners. Being highly aligned increases collaborative engineering value and success in the overall process.

To stay ahead in this exceptionally competitive environment, speed to innovate and decreased delivery costs are critical. As a result, you must focus on core competencies and collaborate with suppliers and partners to design, develop and produce market-competitive products — relying on strong partners with engineering power and enabling them to rapidly bring innovation to the design process.

Engineering collaboration is critical to ensure faster time to market, product quality and engineering process efficiency. Success often depends on efficient interaction between OEMs, JVs, engineering partners and globally dispersed suppliers.

Engineering teams pay a price every time they move data files from their data management solution to their local machines or outside of firewalls to exchange design updates and changes.

With traditional implementations, that price is based on network latency, bandwidth and other factors that limit future innovation and growth for companies and their partners. Now, with the growing importance of collaborative engineering, OEMs, JVs and top-tier suppliers need a comprehensive internal and supplier integration strategy. They also need an IT-based implementation and integration methodology specifically suited to engineering needs.



### **Find the answer**

A globally accessible information platform is required for your joint ventures, partners and suppliers, enabling seamless data access, mobility and real-time collaboration. The DXC engineering Virtual Desktop Infrastructure provides just that. It features reference architecture and technology that is specifically targeted to engineering-virtualized 3D visualization requirements and is designed to improve business outcomes, ensure responsiveness, protect intellectual property and provide new secure mobility options.

### **Address industry requirements**

DXC engineering Virtual Desktop Infrastructure leverages the industry expertise of DXC Product Lifecycle Management service capabilities. Based on the joint engineering effort of DXC, NVIDIA and virtualization software vendors VMware, Citrix and Microsoft, it quickly and cost-effectively helps you derive the most value from the knowledge that resides throughout your extended ecosystem.

Using an optimized, closed-loop approach, suppliers connect with your ecosystem to enhance productivity, improve decisions and actions traceability, and reduce errors common in manual and less formal collaboration techniques. DXC engineering Virtual Desktop Infrastructure addresses these top five requirements:

- Design integrity enables suppliers to quickly immerse themselves in their OEM's design data environment within a well-defined security model. With visibility into the OEM design system, the supplier operates in the latest data and process context, avoiding costly rework and program delays.
- High availability of the engineering environment, built in the data center with enterprise-class hardware, reduces the single point of failure inherent with traditional desktop environments, accelerates onboarding of new people, and improves recovery time for failure scenarios due to virus, corruption and data loss.
- Secure environments ensure accessibility of the design environment at any point from any device at any time. With only pixel changes being streamed to the end-point device, security is increased because the data never leaves the data center.
- Mobility enables design tools and data to be securely accessed anytime, anywhere on almost any device, reducing costs and enabling bring your own device.
- Secure virtual collaboration eliminates many program delays and cost overruns by enabling globally distributed suppliers to collaborate in real time in a common virtual, visual space. Essential for all supplier types, virtual collaboration includes formal design reviews and informal meetings to clarify needs and resolve issues.

It also shrinks travel requirements, accelerates development tasks and reduces late cycle changes.

## **Gain these benefits**

### **Improve business outcomes**

- Engineers benefit by having access to their engineering environment and being colocated with the rest of the ecosystems necessary to complete their work — including product lifecycle management (PLM), high-performance computing (HPC), software and licensing. This significantly reduces the time to interact with these systems and simultaneously provides improvements to intellectual property protection and security.
- OEMs, JVs and top-tier suppliers benefit from a secure design environment for all their suppliers. This improves time to market and quality, and reduces costs and schedule overruns.
- Suppliers across multiple tiers gain preferential status, improve their win rate, and reduce supplier and IT startup time and operating costs, thanks to tightly aligned engineering processes.

### **Ensure responsiveness**

- Internal engineers and design teams benefit from high availability, multiple design environments support and mobility.
- OEMs, JVs and suppliers benefit from streamlined supplier onboarding and simplified global design data collaboration.
- Design partners benefit from preconfigured solutions for various types of suppliers, all tailored to OEM-specific or top-tier requirements.

## **Protect intellectual property**

- You can better protect your intellectual property from theft and accidental data loss from local desktop failure.
- You can leverage your corporate data while simultaneously improving IP protection by keeping all the data inside the data center.

## **Gain secure mobility options**

- New device options are available to securely access design tools and data.
- Suppliers achieve ongoing data integrity with OEM security and collaboration standards.



### **Work with the best**

DXC has a global reach in many manufacturing and design industries — including our own manufacturing expertise. We offer an unmatched depth of experience and a unique perspective to help businesses simplify processes, minimize cost and speed implementation. The unique combination of our combined assets provides tangible business outcomes for you.

### **Get efficient**

The DXC Integrated Manufacturing Enterprise Framework — a toolkit developed and refined over more than a decade — is the foundation of this capability. It contains best-practice processes, IT mapping processes and reference architectures, and templates and tools to support you throughout your complete plan-build-run journey of an DXC engineering Virtual Desktop Infrastructure implementation.

### **Leverage from our solutions**

DXC engineering Virtual Desktop Infrastructure is based on our and many of our technology partners' solutions — all leaders in the industry. Through our more than 30-year history of engineering collaboration with NVIDIA, Citrix, VMware, Microsoft and RedHat, DXC and our partners have created the highest level of trust and confidence.

### **Gain from practical experience**

With more than 3,000 dedicated subject-matter experts in the PLM and manufacturing execution systems practice, DXC has the scale and true global coverage to master the challenges of today's transformation projects. Providing on average more than 10 years of practical, hands-on experience, DXC offers intellectual capital that makes the difference on each DXC engineering Virtual Desktop Infrastructure project.

**Learn more at**  
**[www.dxc.technology/  
workplace\\_and\\_mobility](http://www.dxc.technology/workplace_and_mobility)**

### **About DXC**

DXC Technology (NYSE: DXC) is the world's leading independent, end-to-end IT services company, helping clients harness the power of innovation to thrive on change. Created by the merger of CSC and the Enterprise Services business of Hewlett Packard Enterprise, DXC Technology serves nearly 6,000 private and public sector clients across 70 countries. The company's technology independence, global talent and extensive partner network combine to deliver powerful next-generation IT services and solutions. DXC Technology is recognized among the best corporate citizens globally. For more information, visit **[www.dxc.technology](http://www.dxc.technology)**.