



## UNLOCK CAPITAL AND TRANSFORM BUSINESS MODELS

CSC

# DIGITAL TRANSFORMATION FOR MANUFACTURING

### BENEFITS

- Increase business agility and innovation
- Reduce legacy IT costs
- Modernize applications and integrate IT/OT systems
- Improve cybersecurity and rapidly respond to enterprise threats
- Transform next-generation workplace services

## MODERNIZE BUSINESS APPLICATIONS AND THEIR UNDERLYING INFRASTRUCTURES

Manufacturers are under pressure to fundamentally change the way they do business — using everything from connected products to data-driven services. To implement those changes, many organizations need to make huge investments in modernizing legacy systems and the underlying infrastructure. Many others must overcome cybersecurity threats, network limitations and mobile workplace issues.

To compete more effectively in this world of converging cyber-physical systems, manufacturers must make fundamental changes in how they spend their IT budgets. The cost of maintaining legacy environments and continually adding new applications to the traditional data center stack is unsustainable.

Moving to an as-a-service IT environment has the potential to unlock capital investments, which can be reinvested in next-generation technologies. This foundation of cloud, apps, mobile technology, big data and even social media can enable manufacturers to introduce more innovative products and services — enabling new business models based on bundled costs and consumption-based pricing.

CSC's Digital Transformation solution is a suite of services and next-generation tools that help manufacturers create a real-time digital enterprise with as-a-service infrastructure, modernized applications and best-in-class cybersecurity services. CSC's Digital Transformation solution includes:

- **Application modernization**, development, testing and managed services to improve operational agility and reduce

application support costs — plus integration services to optimize and cloud-enable enterprise resource planning (ERP), product lifecycle management (PLM), manufacturing execution systems (MES), service and warranty applications

- **Cloud migration**, storage and software-defined hybrid cloud management to accelerate IT services and lower IT capital costs
- **Next-generation workplace services** to improve business and social collaboration
- **Cybersecurity** and threat management services to safeguard intellectual property and connected products

### APPLICATION MODERNIZATION

Success begins with modernized applications. CSC's proven application modernization methodology and tools provide a full range of options for replatforming or replacing legacy systems on your schedule.

CSC offers more than just a plan for modernization. CSC helps your organization develop, test and deploy your modernized applications in the cloud or traditional data center environment. With

SOLUTION SHEET

CSC's managed services, you can ensure more predictable costs for ongoing maintenance and development. Backed by the latest DevOps tools and processes, CSC can increase your organization's agility with rapid deployment of new apps to the cloud. Services include:

- Portfolio Rationalization
- Migration Reengineering
- Application Development
- Application Management
- IT Brokering

CSC partners with global technology leaders including SAP, Oracle, Siemens and Dassault Systèmes to support ERP, PLM and MES transformation. CSC's team of manufacturing and technology experts can tailor systems to your operations, deploy and maintain them in the right cloud model (private, public or hybrid) and accelerate your time to value.

## CLOUD MIGRATION

With modernized applications, IT organizations are making major shifts in infrastructure investments by moving to a private, public or hybrid cloud environment. Not only are manufacturers accessing computing capacity based on usage, but they are also accelerating the entire process of application development, testing and maintenance.

CSC's Hybrid Cloud Service delivers Infrastructure as a Service, Platform as a Service, enterprise cloud applications and application development platforms on a self-service, on-demand basis directly to the end users and developers who need them. Hybrid Cloud Service includes:

- CSC Agility Platform™, a leading hybrid cloud management and brokering platform that centralizes orchestration, governance and security to deploy complex, multitier business applications
- Application Release Automation to speed software releases and accelerate the application delivery lifecycle

- Application Blueprints to ensure portability of hybrid cloud solutions throughout their lifecycle, independent of the underlying infrastructure or cloud environment
- Prebuilt integration with CSC's private cloud solution, CSC BizCloud™ HC, which enables organizations to create a hyper-converged infrastructure of mainframe, midrange, private and public clouds, including Amazon Web Services (AWS), VMware vCloud Air and Microsoft Azure
- Consolidated billing, centralized help desk and security management support

## NEXT-GENERATION WORKPLACE SERVICES

With a modern, digital infrastructure in place, manufacturers can focus on creating a next-generation workplace. CSC works with industry-leading partners including EMC, AT&T and Microsoft to unify communications and help managers, product designers, engineers and other knowledge workers access real-time information, globally connected communities and integrated tools. CSC's workplace services support:

- Enterprise mail
- Unified communications
- Business and social collaboration
- Virtual desktop
- Enterprise mobility
- Mobile content management

CSC can combine these collaboration services with analytics tools to provide management teams with fully integrated dashboards featuring real-time data to improve decision making and provide insights that can dramatically improve business outcomes.

## CYBERSECURITY

To safeguard the move to cloud-based infrastructure, mobile apps and Internet of Things (IoT) services, CSC provides a complete array of Managed Security Services that guard against rapidly

changing threats, ranging from traditional malware to sophisticated, state-sponsored attacks.

CSC's services include traditional data center, endpoint, identity and network management, as well as advanced services to secure applications and next-generation platforms such as cloud, mobility, and big data and analytics. Supported by our global Risk Management Centers, CSC brings an integrated approach to tools, technology and services, helping your organization focus on governance and automated, continuous risk management, global threat intelligence, and security policy and compliance.

As a leading technology provider to the global manufacturing industry, CSC is uniquely positioned to help organizations take full advantage of IoT automation, connected products, mobility and data analytics across the manufacturing value chain.

The first step to creating new business models begins with Digital Transformation of infrastructure, applications and cybersecurity. Talk to CSC about how you can shift your investments to next-generation technology and create a more connected enterprise to compete more effectively in the global market.

## ABOUT CSC IN MANUFACTURING

CSC is one of the leading business and IT solutions providers to the global manufacturing industry. We are the No. 1 supplier to the aerospace and defense (A&D) industry, and we support 12 of the top 15 automotive firms. Our industry specialists in A&D, automotive, industrial, chemical and high-tech manufacturing are experienced in all aspects of the business: design and development, factory floor, supply chain and aftermarket.

➔ **Learn more about CSC Digital Transformation at [csc.com/digitalmanufacturing](http://csc.com/digitalmanufacturing).**

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