Accelerate Smart Manufacturing Initiatives with Nutanix

Jump-start manufacturing productivity and build agile manufacturing operations with smart industry initiatives such as quality detection, factory asset intelligence, and engineering collaboration powered by Nutanix's cloud solutions.

"Not only has our Nutanix solution eliminated downtime but it's created a new level of agility, which means that we can flex up and down our IT to match incoming orders, while giving us a foundation for future smart manufacturing processes."

– Ryan Celestial, IT Infrastructure Manager, Toshiba Information Equipment (Philippines), Inc.

The manufacturing industry is currently in a crisis. Labor shortages have brought productivity growth to a standstill while global trade uncertainties have increased business risks. The industry is reacting by implementing Smart Manufacturing initiatives to boost productivity and create agility.

According to the National Institute of Standards and Technology (NIST) Smart Manufacturing means "fully-integrated, collaborative manufacturing systems that respond in real time to meet changing demands and conditions in the factory, in the supply network, and in customer needs." Use cases include: quality sensing and detecting, factory asset intelligence and performance management, engineering collaboration and digital twin.

Nutanix enables manufacturers to accelerate these Smart Manufacturing initiatives. Nutanix Cloud Solutions leverage the industry's most popular hyperconverged technology with comprehensive operations management and an automation and orchestration framework to deliver any application with one-click simplicity. Nutanix can help you simplify and accelerate operations, expedite the delivery of new services, tackle big data analytics, and streamline your database and VDI deployments.

SIMPLIFY GLOBAL IT OPERATIONS

As a fully software-defined solution, the Nutanix Enterprise Cloud Platform makes IT infrastructure invisible by converging servers, storage, data protection, virtualization, and networking with one-click operations, full application automation, and multi-cloud management. With its compact footprint and simplified remote management, Nutanix is the perfect platform for your production facilities and distribution centers.

All infrastructure hardware and software are managed through Nutanix Prism, a single interface for managing servers, storage, data protection, and virtualization that streamlines common IT workflows. Simple and intuitive one-click management reduces the administrative burden and the potential for operator error while eliminating the need for planned downtime.

24/7 availability and reliability
for your plant and engineering productivity

STREAMLINE APPLICATION MANAGEMENT

Manufacturing relies on a set of mission-critical business applications, including ERP, CRM, SCM, transportation and logistics, financials, HR, and more. With Nutanix Cloud Solutions, you can run these applications on the existing validated infrastructure with no negative performance or availability impact, enabling greater consolidation, reducing complexity, and substantially reducing total cost of ownership (TCO). Nutanix is also the first hyperconverged infrastructure certified for SAP HANA and NetWeaver landscapes so you can deploy with confidence.

57% lower deployment time
versus equivalent alternatives broadens flexibility in operations

ENSURE PERFORMANCE AND AVAILABILITY

Nutanix Enterprise Cloud Platform ensures high availability and reliability through advanced capabilities. Its self-healing architecture restores full resiliency without operator intervention, and one-click non-disruptive upgrades eliminate planned downtime. It also delivers the high performance necessary for intensive database applications without the complexity of dedicated infrastructure.

Improve manufacturing efficiency & **realize 38% reduction in infrastructure cost**

IMPROVE TIME TO MARKET

Nutanix Calm accelerates deployment and simplifies management of custom applications by incorporating all elements of each application into an easy-to-use blueprint, making the deployment and lifecycle management of applications automated and repeatable across both private and public cloud environments.

Nutanix Frame is a multi-cloud DaaS that enables deployment of high-GPU applications such as Autodesk AutoCAD and Alias, Blender, ANSYS, SOLIDWORKS, and Dassault CATIA from the cloud. These high-GPU applications can be delivered from the cloud to a browser on any device anywhere.

CONNECT EDGE TO CLOUD

The Nutanix Xi IoT platform delivers local computing and machine learning (ML) for IoT edge devices in one seamless, visual application platform built from the ground up to solve IoT-specific challenges. With easy-to-use APIs, reusable data pipelines, and pluggable machine learning architecture, Xi IoT accelerates rapid development and global deployment of complex apps at scale.

READY TO TRANSFORM?

Nutanix is ready to help you transform your IT operations—and your business. To learn more, visit us at nutanix.com/manufacturing or test drive the software at nutanix.com/try.

NUTANIX™
YOUR ENTERPRISE CLOUD

T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | @nutanix