NCR Edge Compute Solutions featuring Microsoft Azure Arc and Azure Stack HCI

Manufacturing

NCR can help you take execute the latest Edge Compute Solutions to enable greater flexibility, increase business insights, and drive higher availability across your hybrid environment

Situation

Whether your factory is running industrial automation or looking to improve quality, production planning, logistics, or plant safety, creating the "factory of the future" requires manufacturing focused IT solutions that deliver speed, reliability and low cost while supporting critical production systems, high availability, scalability and high security.

Complication

Recent events have challenged manufacturing companies and their processes like never before. From crippling supply chain disruptions to growing security threats, manufacturers of all sizes are looking to technology to help drive agility, resilience and innovation. This must be done while managing challenging connectivity environments, working with limited onsite IT staff, support, and the need to ensure automated manufacturing systems that can maintain 24/7 runtime.

Implication

To deliver continuous innovation across the factory, legacy IT structures must shift to more dynamic, predictive, data-driven systems. Edge and IoT devices, enable companies to measure, monitor and manage production seamlessly. Smart devices can collect data from diverse sources and advanced analytics can be performed to drive automated decisions to ensure increased productivity in real time, often referred to as Industry 4.0.

Proposal

With coverage in 160 countries and 20,000 service professionals including remote support and technical specialists, NCR can expertly scope, design, deploy and manage Microsoft® Azure™ Stack HCI and other IoT and edge devices around the globe. What sets NCR apart? Our unique ability to manage large deployments, install at the edge and leverage Azure Arc™ services (monitoring, backup, and site recovery) to help ensure mission critical applications stay up and running.

To speak with someone or for more information, visit us at https://www.ncr.com/telecom-technology.
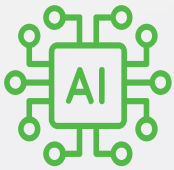
NCR

Benefits

Through the application of Edge and IoT devices, manufacturers can collect data from diverse sources, and run advanced analytics and AI inferencing at the edge, closer to the source data. The insights derived from Edge analytics can drive automated, data driven decisions across multiple applications including industrial automation, predictive maintenance, production planning, and process control.

NCR can help your company deploy, monitor, and manage at the Edge:

- Provide hybrid-cloud ready and validated solutions with Azure Arc enabled services for Azure Monitor, Azure Backup, Site-Recovery and Stretch Clustering for resiliency and high-availability.
- Install and configure Azure Stack HCI, Edge, and IoT devices at scale, supported by a full suite of white glove services delivered by our professional services and field engineering teams.
- Deploy modern cloud applications at the Edge with Azure Arc-enabled Kubernetes clusters running on Azure Stack HCI or other supported Edge devices managed centrally via the Azure portal
- Choose integrated Edge hardware from an NCR partner that can include anywhere from a single device up to a 16-node cluster with no need for a high-speed switch or external storage.
- Provide 24/7 monitoring and remote support of your company's Edge compute infrastructure managed by the NCR Network Operations Center (NOC).

AI/ML in Manufacturing

38% Increase in manufacturers' adoption of machine learning and analytics to improve predictive maintenance is predicted over the next five years (cgi.com)

20-50% Reduction in forecasting errors is feasible with machine learning. Lost sales due to inadequate supply can be reduced by up to 65%. (cgi.com)

Action

To speak with someone or for more information, visit us at ncr.com/telecom-technology/managed-cloud-solutions

Why NCR?

NCR Corporation (NYSE: NCR) is a leading software and services-led enterprise provider in the financial, retail, hospitality, small business and telecom and technology industries. We run key aspects of our clients' business so they can focus on what they do best.

NCR is headquartered in Atlanta, GA with 34,000 employees and solutions in 141 countries. NCR is a trademark of NCR Corporation in the United States and other countries.