



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

Oil & Gas

**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

When conducting drill rig maintenance, pipeline monitoring, well maintenance, inspections, and workforce management, it's vital that your IT infrastructure has the scalability, resiliency, storage capacity and performance to make sure mission critical equipment and applications operate with the highest availability.

## Complication

Oil and Gas companies often work in remote locations using devices that need to exchange electronic information at a rapid speed. With the demand for rapid data processing at the core of the oil and gas, the use of edge technology is a major draw for an industry with widely distributed operations in far-flung locations.

## Implication

The oil and gas industry is undergoing significant transformation. The decrease in the cost of IoT sensors and computing power has made it cheaper to monitor key components and processes. Through the application of Edge and IoT devices, data can be collected and analyzed instantly. Any problems or unusual activity can be detected immediately, and appropriate action taken to fix the situation before significant damage occurs. Edge analytics can help lower cost and drive productivity in all stages of oil and gas processing.

## 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>.



## Benefits

Edge and IoT devices enable energy companies to 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 then drive real-time automated, data driven decisions across multiple applications including predictive maintenance, productivity, cost and safety.

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

- Provide hybrid-cloud ready solutions with Azure services like Azure Arc, Azure Monitor, 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 modernized microservice applications at the Edge with Azure Kubernetes Service (AKS) running on Azure Stack HCI and managed centrally via the Azure portal
- Choose integrated 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).

## Environment, Health & Safety Expertise

NCR's best-in-class Environment, Health & Safety (EH&S) Management System is a framework of processes used to ensure fulfillment of all tasks relating to HSSE Standards. T&T's EH&S Management System is certified to ISO 45001 (Safety & Health Management System) and incorporates the Plan-Do-Check-Act (PDCA) methodology. The management system covers:

1. Leadership & Commitment
2. Policy & Objectives
3. Organization, Responsibilities and Resources
4. Risk Assessment & Control
5. Planning & Processes
6. Implementation & Performance Monitoring
7. Auditing
8. Management Review

## Action

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

NCR continually improves products as new technologies and components become available. NCR, therefore, reserves the right to change specifications without prior notice.

All features, functions and operations described herein may not be marketed by NCR in all parts of the world. Consult your NCR representative or NCR office for the latest information.

All brand and product names appearing in this document are trademarks, registered trademarks or service marks of their respective holders. Microsoft, Azure Stack HCI, and Azure Arc are trademarks of the Microsoft group of companies.

© 2022 NCR Corporation Patents Pending

[ncr.com](https://ncr.com)

