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Cargill upgrades its global manufacturing operations in order to enhance automation, robotics, and digital manufacturing

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Industry 4.0 digital innovation accelerated through NTT DATAâ??s Private 5G Network secure, scalable connectivity



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Cargill, the global food, agricultural and industrial leader, is transforming operations across its manufacturing and processing facilities through the successful deployment of NTT DATAâ??s Private 5G network across 50 sites globally. The initiative is enabling a connected workplace strategy and supports the deployment of robotics, with additional sites planned for completion in 2026.

Operating across large-scale agricultural processing plants, food manufacturing facilities and industrial sites, Cargill requires secure, scalable connectivity that can be rapidly deployed where traditional network infrastructure is impractical.

NTT DATA, a global leader in AI, digital business and technology services, uses its Private 5G network to provide high-speed, consistent connectivity that enables a connected workforce and the increasing use of automation, robotics and digital operations in industrial settings. This is in contrast to traditional WiFi or wired networks.

As Cargill rolls out SAP ERP across its facilities, NTT DATAâ??s Private 5G network supports a connected workforce by delivering reliable, low latency access to enterprise applications and operational data on smartphones and ruggedized tablets. This connectivity improves real-time visibility into production processes, enhances collaboration between frontline and operations teams and supports faster, data-driven decision-making.

While the majority of deployments are in the United States, Cargill is also live with NTT DATAâ??s Private 5G deployments in Europe, with additional regions under consideration.

Private 5G is also enabling advanced robotics and physical AI deployments in operational environments. For example, Cargill has deployed Spot the Dog at its Amsterdam facility to enhance safety and operational efficiency. The AI-powered robot supports use cases such as automating visual inspections, monitoring for hazards such as equipment overheating and improving worker safety in hazardous or hard to reach areas.

"Our work with NTT DATA is a true partnership, allowing us to confidently advance our global digital transformation strategy,â?• said Robert Greiner, Director Platform Engineering for Customer, Commercial & Business Operations Digital Technology at Cargill. â??Private 5G gives us a secure, scalable foundation to support connected workers, robotics and edge AI use cases across our operations.â?•

â??As manufacturing organizations expand the use of physical AI and intelligent automation, reliable and secure connectivity becomes foundational to digital transformation,â?• said Shahid Ahmed, Global Head of Edge Services, NTT DATA, Inc. â??Cargill is demonstrating how Private 5G can bring technology and operations together in environments where traditional networks fall short, while improving safety, agility and performance."