Xoriant
Success Story

IoT Integrated Supply Chain Operations for a Global Food Company

Realizing cost savings and reducing meat wastage through proactive monitoring

Our client is a global food company, a leading producer and transporter of protein products with 150+ locations in rural America and around the world with a goal to responsibly meet today's tastes while ensuring a more sustainable tomorrow.

Challenges

With a commitment to delivering high quality meat products throughout the supply chain from processing to distribution, the client recognized the critical need for continuous monitoring of temperature and humidity in trucks and warehouses.

- Need for real-time, reliable data made continuous humidity and temperature monitoring difficult
- Maintaining specific temperature for different meat cuts added complexity to the logistics process
- Supply chain issues led to reduced meat quality, considerable wastage, increased costs and poor service

Collaboration

To realize a utopian business ecosystem, Xoriant was chosen as a technology partner to provide a comprehensive solution leveraging IoT technology implementation:

Implemented
Robust IoT infrastructure capable of real-time data acquisition through sensors

Ensured
Monitoring and quick response through intelligent algorithms to interpret data in real-time and alert personnel to take corrective actions

Streamlined
Communication and synchronization with different types of software platforms through a system

Delivered
Seamless data flow and real-time visibility across all levels of supply chain

Business Value

Reduced
Meat wastage, cost savings, and ensured quality through proactive monitoring of temperature

Minimized
Complaints due to damaged products, saving significant customer service expense dealings

Streamlined
Supply chain operations with reduction of duplicates and false positives

Technology Stack

Azure IoT | Azure Functions | Python | Azure SQL Database | Azure DevOps Windows Forms