

## 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**

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 18 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.