



BLUEROVER INNOVATION HIGHLIGHT



blueRover

COMPANY OVERVIEW

blueRover is an IoT industry leader dedicated to creating and implementing technologies that keep people safe. blueRover's Wireless Remote Monitoring Software Service uses Data to solve unique challenges in the food and pharmaceutical industries by automating manual process and tracking and analyzing information to ensure food and vaccines are safe. blueRover's technology empowers companies to pinpoint issues, identify trends, and make predictive business decisions to enhance performance, optimize safety, and improve quality.

LOCATION: CAMBRIDGE, ON

TECHNOLOGY



Data Centre and Cloud

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THE NEED FOR TECH IN THE SUPPLY CHAIN

As businesses continue to adopt more advanced technologies, there is a growing need for the visibility and transparency in supply chain for raw materials, equipment malfunctions, storage or transportation of precious cargo. Verification is specifically important in the pharmaceutical and food industries as public safety is paramount. Major markets such as food services, transportation, and agriculture need to monitor their products throughout the supply chain to ensure that goods arrive efficiently and safely. Implementing digital safety technologies creates a major advantage within supply chain management and ensures that consumers are kept safe.

ENSURING HIGH QUALITY FOODS DURING TRANSPORTATION

Serving the pharmaceutical and food transportation industry, blueRover has created SafeRx & SafeFood remote monitoring solution to ensure the measurement of temperature for critical products in real time. IoT sensors and software work together in an integrated way throughout the whole supply chain process – from freezers, and fridges to consumers. The software sends real-time data to the blueRover interpretation platforms where the system interprets and send messages when things are not within acceptable ranges. blueRover's infrastructure allows customers to control the process end-to-end from software to sensor.

SIMULATING A REAL-WORLD ENVIRONMENT WITH 30,000 SENSORS

Using CENGN's infrastructure, blueRover performed valuable product verification and load testing to ensure the platform's ability to scale. Simulating traffic levels up to 10s of thousands of sensors, blueRover identified and made improvements in their software that simulated a real-world application. This project ensured the platform was able to meet processing requirements and positioned the business to scale. These insights provided valuable information for code optimization and operation efficiencies which are key success factors when dealing with the processing needs of future customers.

“Now knowing that our gateways and servers are performing well now allows us to focus our resources in other areas of the product”

**Jimmy Lo, VP of Engineering,
blueRover**

