

3 Ways the Internet of Things Can Improve Food Supply Chain Management



The Internet of Things (IoT) can help keep food shipments safe from farm to table and all stops in between.

A quality IoT solution for food safety management should incorporate all of the following:

 **1. Remote Monitoring**

 **2. Smart Routing**

 **3. Backend System Integration**, where possible

Food Safety Fact

The Food Safety Modernization Act (FSMA) was created to provide businesses with clear actions to take in order to prevent food contamination.

Solution 1: Remote Monitoring

A shipment containing food or perishables that spoil in transit is a total loss. Remote monitoring protects your products, your customers and your bottom line.

Unsafe temperatures are the primary cause of contamination and spoilage.

Ensure that proper temperature is maintained from end to end with remote temperature probing.



When one step is compromised, the entire food supply chain is at risk.

1 in 6 Americans becomes ill each year from a preventable foodborne illness.¹

Solution 2: Smart Routing

A vehicle tracking solution can help you practice smart routing, which has direct positive effects on food safety.

By 2018, some experts say the IoT will yield a **15% increase** in manufacturing productivity³

-  Reduces idle time so food spends less time in transport
-  Avoids unforeseen delays so food is less vulnerable to contamination
-  Saves on maintenance to prevent breakdowns and lost shipments

Smart routing lets operations managers see routing data from each vehicle.



Solution 3: Backend System Integration

It may be possible to integrate the solution with your backend to promote food safety from start to finish.

1.3 billion tons of food are lost globally per year due to food safety concerns.⁴

A fully integrated smart system:

-  Reduces liability and risk to the food supply chain
-  Allows for real-time response to unexpected events
-  Optimizes transit based on historical data

Proper food supply chain management prevents losses and increases profit.

To find an IoT solution that's right for your business, contact U.S. Cellular:

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Sources:

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