USE CASE BRIEF

CARGO QUALITY

Can you guarantee on-time, undamaged, and unspoiled freight?

PROBLEM

Many goods, especially agricultural and pharmaceutical products, are environmentally sensitive and prone to spoilage in transit. Other products are fragile and may incur damage during shipping. These goods will travel hundreds–if not thousands–of miles through various weather patterns and over unsure terrain before reaching their destination. Without reliable active monitoring and end-to-end visibility of your goods in transit, it's anyone's guess what condition they'll arrive in.

USUAL RESPONSE

Traditionally, companies have deployed data loggers to track the quality of their shipments. Teams are professionally trained in programming and attaching the devices to sensitive freight at departure. At destination, another team is tasked with removing the devices, ensuring their working order, and handing them off to others so the data can be downloaded and analyzed for problems. Assuming each team has been properly trained, has handled the equipment properly, and has passed it into the right hands–and the hardware has not experienced error–it can be determined whether or not your freight, after having traveled hundreds (or even thousands) of miles, has arrived undamaged and unspoiled.

CARGOSIGNAL

HOW CARGO SIGNAL CAN HELP

Cargo Signal eliminates the need for data loggers, trained handlers, and endpoint analysis. The IoT-powered sensors that Cargo Signal attaches to global freight wirelessly track real-time data about shipments, providing end-to-end visibility, security, and quality control. Our technology is supported by a Command Center staffed by logistics professionals who monitor your shipments around the clock, 7 days a week, 365 days a year.

Unlike data loggers, Cargo Signal's sensors deliver up-to-the-moment data about the quality of your shipment directly to you. If your shipments are exposed to undesirable temperatures, humidity, or light, or they are mishandled, an alert will be sent immediately. You'll have an autmated record of the time and location the incident occurred, allowing you to file more substantial claims quicker.

Knowing the moment when your cargo is threatened can make the difference between losing thousands of dollars on a spoiled or damaged shipment and making slight alterations in transit to ensure safe arrival of your goods. Having a reliable record of incidents means that your corrective action plans will be trusted and quickly instituted and adhered to, ensuring the protection of your company's reputation.

CARGO SIGNAL CAN HELP YOU

- Maintain a higher level of visibility than is offered by traditional data loggers, assuring you in real-time of your shipment's safety and location.
- Identify the exact time and location that changes like shock & tilt, environmental change, or temperature fluctuation affected the quality of your shipment.
- Provide peace of mind that your shipment remains within acceptable safety parameters set by internal company policy or government regulations.
- Avoid disappointed customers and maintain brand integrity by ensuring that shipments arrive undamaged and unspoiled.
- Decrease losses due to damage, alerting you and your chosen stakeholders directly of the exact moment and location in which your freight has been compromised.

QUICK FACTS

- 11% of product arriving at distribution centers is reported as damaged.
- Pharmaceutical companies lose an average of $35 billion annually due to inadequate temperature control in transit.
- About 20% of temperature-sensitive product incurs damage due to a broken cold chain.
- 14% of the world's food spoils during the shipping process.