



## USE CASE BRIEF

# MATERIAL TRANSPORTATION

How visible is your freight while it's in transit?

### PROBLEM

Too often, cargo moves faster than data. If this happens, and your cargo arrives and you don't know about it, or it incurs damage in transit and you aren't alerted, the rest of your supply chain will feel the strain. Milestone data will give you periodic updates about your shipment, but it can't tell the whole story. Without proper visibility, your freight may end up severely delayed or arrive without your knowledge. It may even reach its destination halfway around the world before you know it's suffered irreparable harm.

### USUAL RESPONSE

Without real-time updates, you will have to rely on your service providers for information. Often this means taking laborious steps to track down what you think is your problem shipment in your transportation management system and then contacting your carrier or warehouse, who then have to physically search for your shipment to provide you an update. In the meantime, you may have to press pause on other sectors of your supply chain, costing you time and money. It could take hours or even days to find a solution.



## HOW CARGO SIGNAL CAN HELP

Rather than waiting for someone to physically search for your freight to give you an update, placing an IoT-powered sensor directly on your cargo can provide you with real-time information delivered directly to you on one easy-to-use platform. With Cargo Signal, you will know exactly where your freight is, when it will arrive, and what condition it will be arriving in.

Customizable alerts provide you and your chosen stakeholders updates about your freight in 4 categories: Location & Delay, Security, Temperature, and Shock & Tilt. Location & Delay tells you where your cargo is, whether it's on the correct and timeliest route, if it's experienced unauthorized dwell times, and how far it is from its destination. Our Security alerts inform you if your cargo is compromised or vulnerable to theft, and our Temperature alerts will tell you if it's fallen out of acceptable temperature and humidity range. Finally, our Shock & Tilt alerts ensure that your shipment does not incur damage without your knowledge.

With Cargo Signal's sensors keeping you informed in real time about the location and condition of your freight, you don't have to worry about critical materials arriving safe, intact, and on time. Our technology is supported by a Command Center, staffed by logistics professionals who monitor global shipments around the clock, 365 days a year. If a problem arises, they will intervene on your behalf to solve the problem before it turns into one that costs you more time, energy, and resources down the line.

## CARGO SIGNAL CAN HELP YOU

- Spot potential problems with your freight's location and condition in real time, before they become bigger issues.
- Monitor your cargo's vitals in transit to avoid spoilage and ensure product quality and integrity.
- Cut costs by protecting your cargo, alerting you immediately when damage or theft occurs.

## QUICK FACTS

- \$30 billion of cargo is stolen every year.
- 71% - 87% of global cargo theft happens when cargo is in transit.
- Replacing a damaged product can cost up to 17x more than the original shipping cost.
- Shipping damage accounts for 20% of the returns.

