# INNTACT

# loT-Based Cold Chain Logistics Monitoring Solution



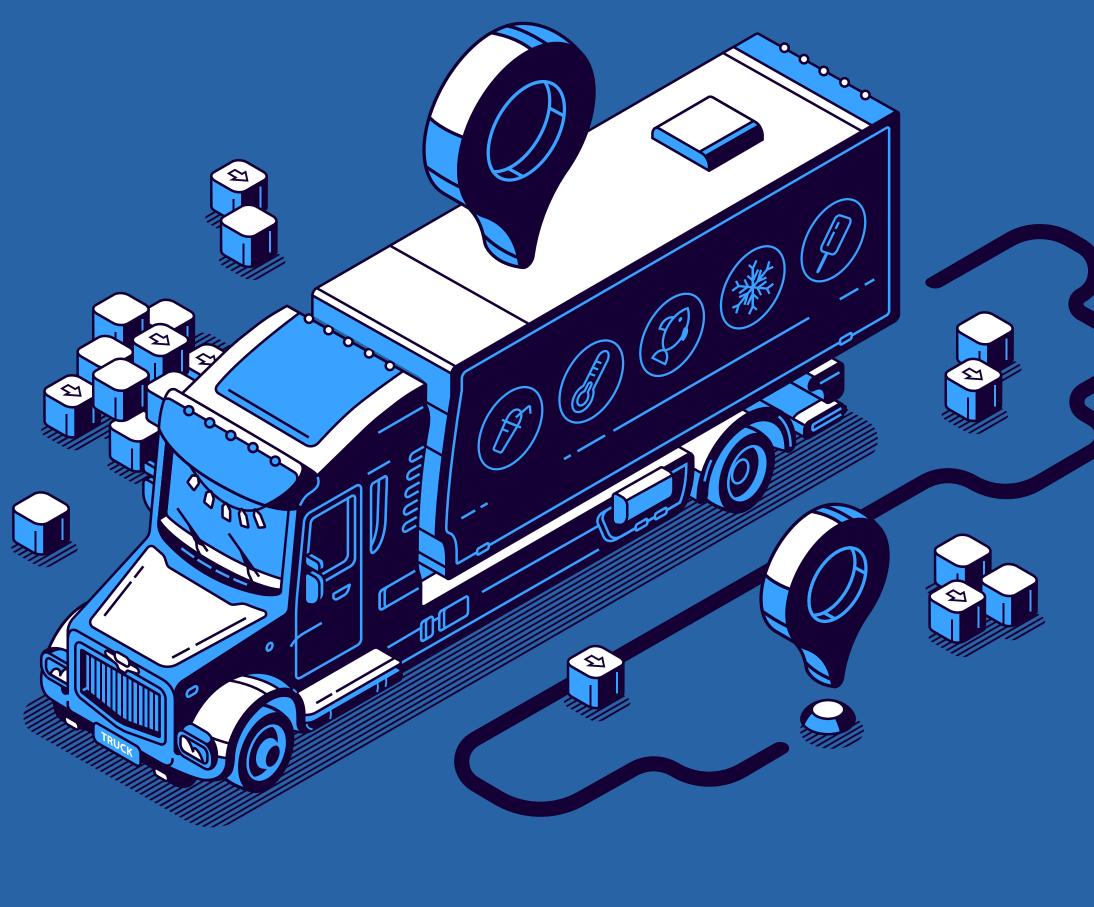
Cold Chain Logistics the World Over Faces. Here's a Complete IoT-Based Telematics Solution to Address these Challenges. Transportation of perishable food and dairy products,

Complexity, Cost, and Risk are the Key Challenges that

fruits and vegetables, vaccines, or any other temperature-sensitive products, poses a huge risk. Any sort of inappropriate handling during the cold chain transport has the potential to spoil food and can leave the medicines ineffective. Thus, leading to concerns about the safety of consuming the products.

medicinal drugs, next-gen cold chains with cloud-based IoT and telematics solutions are the prerequisite to sustain the quality and extend the shelf-life of such perishable products.

Whether it's seafood, chemicals, frozen foods, or



invest in. By 2023, 50% of global leading enterprises will have invested in real-time transportation visibility solutions.

Visibility continues to be one of the top technologies supply chain end users

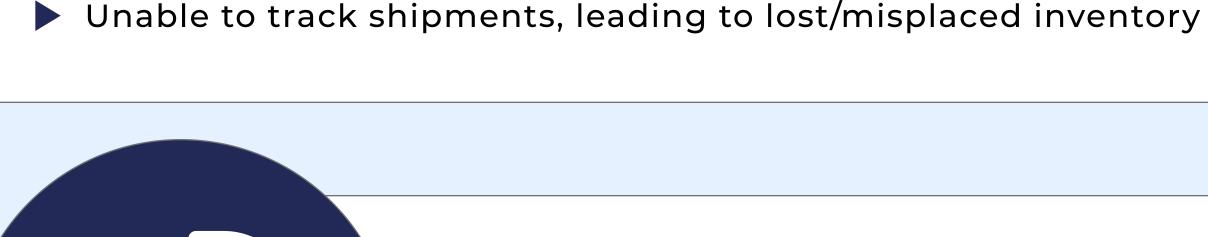
Typical Challenges in Today's Cold Chain Logistics Industry



## ▶ Inability to monitor temperature /pressure/humidity/shock/tilt excursions

Difficulty in maintaining product integrity

Lack of capability to maintain package-level visibility

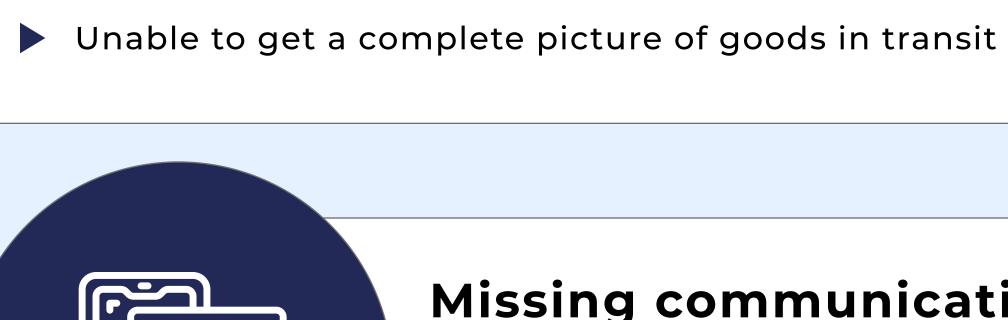


## Lack of trust in data due to manual tracking in some cases

Lack of reliable systems and defined processes

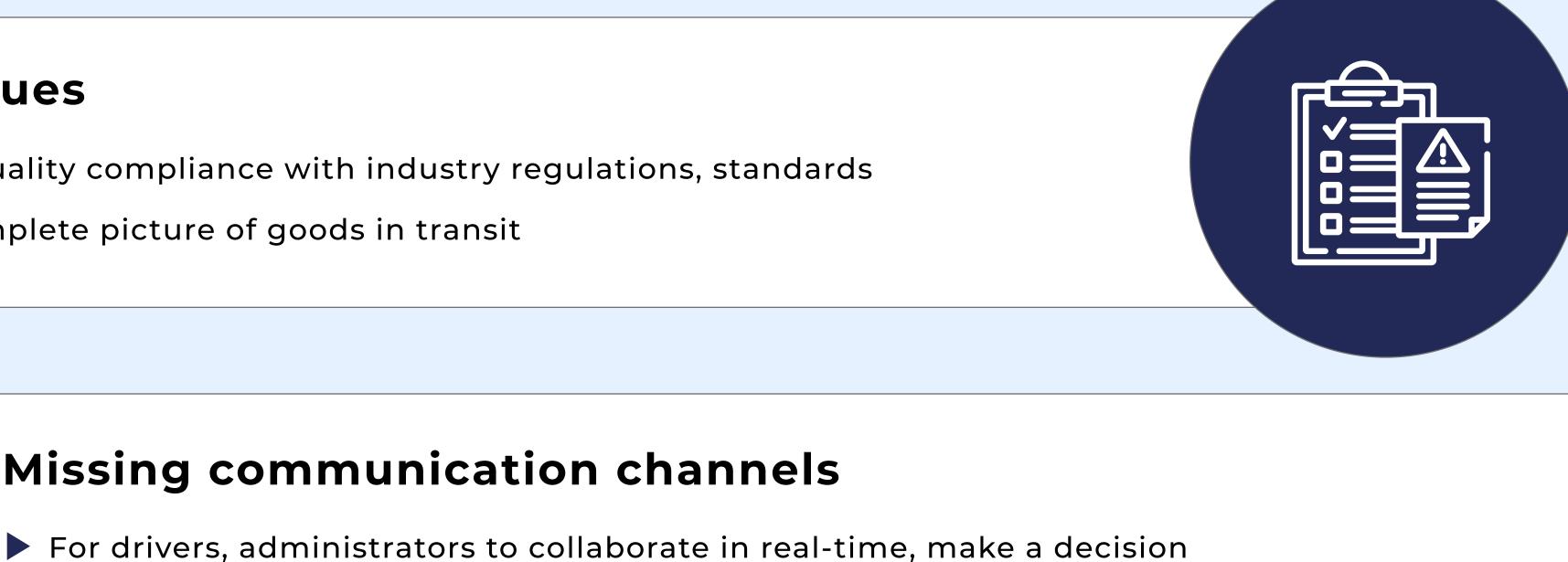
Insight and data fragmentation across a multitude of systems

**Compliance** issues



Unable to ensure quality compliance with industry regulations, standards

Lack of visibility of geo-location and environment conditions





# For managing shipments, assignment, exact delivery, and pick up points

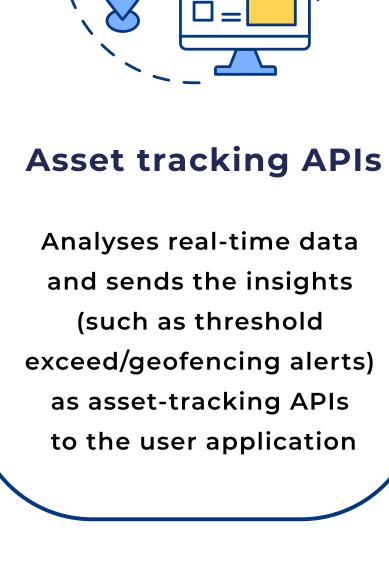
Missing communication channels

### An industry-standard intelligent platform with modern reference architecture of proven Innominds' IP that collects data from the devices, performs analytics in the cloud, and delivers real-time insights.

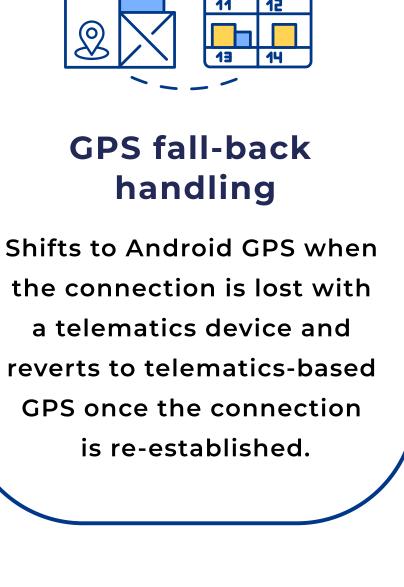
Innominds' Best-in-Class Cloud-based IoT Platform iNNTACT<sup>TM</sup>

for Cold Chain Logistics Monitoring











Portable asset tracker Collects data, performs analytics, and provides intelligence through APIs Certified telematics device

Gain End-to-End Real-Time Visibility



# Insights delivered through apps

and navigation support

**Best-of-breed devices** 

Web application for admin for shipment

assignment & visibility from start to end

Mobile/tablet app for drivers that provides

in-transit alerts with intelligent suggestions,



### Interoperable architecture The solution is compatible with third-party devices as it uses modular components,

customizable based on business needs

Cloud-based IoT platform

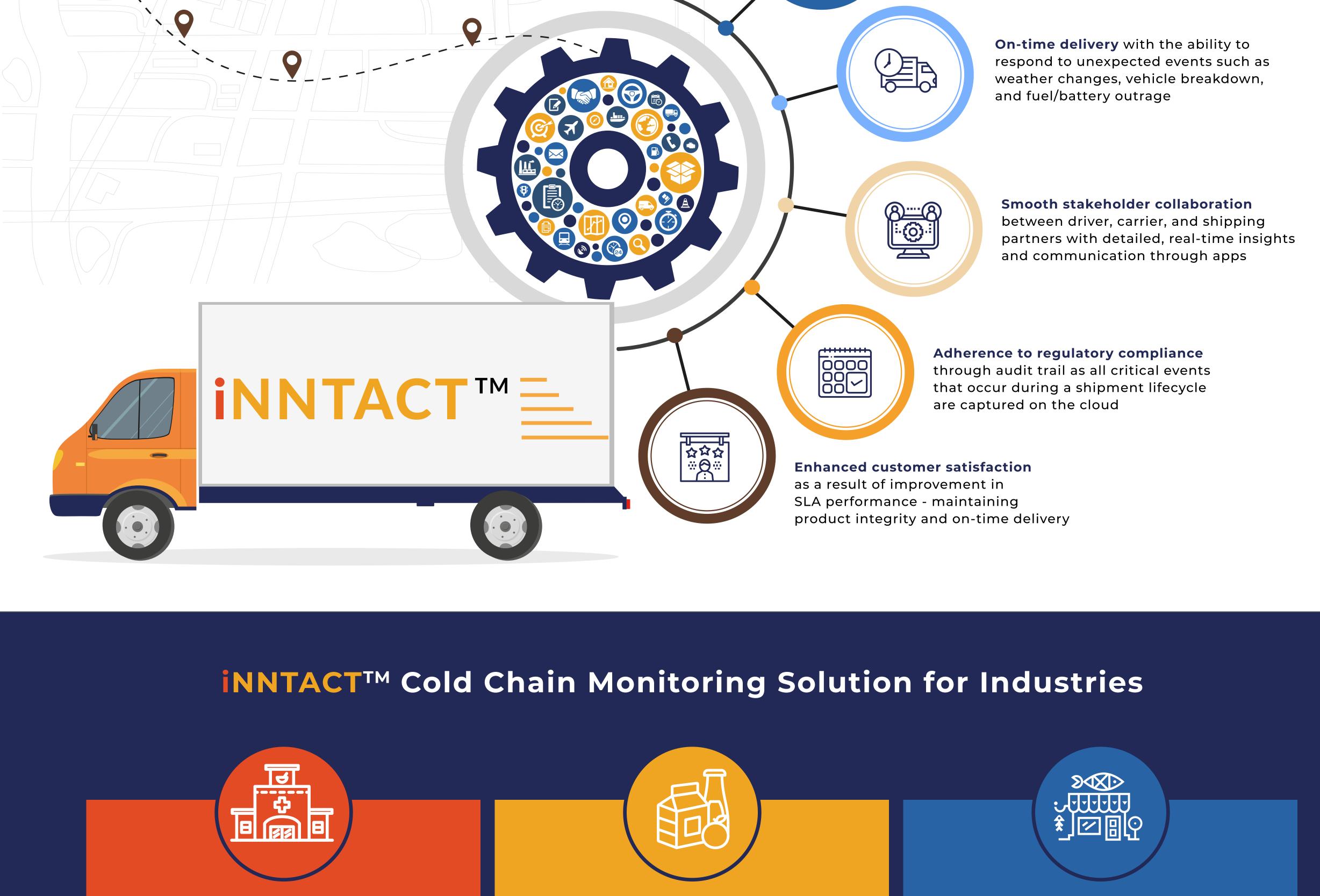
Wide Gamut of Benefits from iNNTA Reduction in spoilage through seamless cold chain transit, based on continuous data streams and intelligent alerts

Higher visibility and traceability with accurate

real-time location, arrival time, and any excursion

related to temperature/pressure/humidity/shock /tilt

transit information of products, including

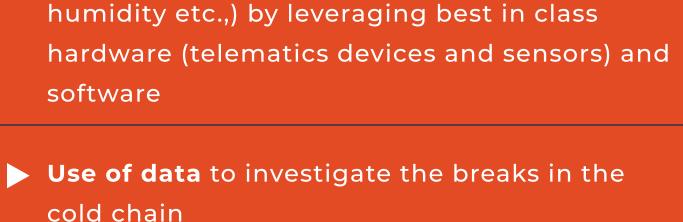


### **Pharma Industry Food Industry** Sea Food Industry

**►** Environment monitoring and intelligent

alerts to reroute shipments or take actions to

remedy temperature excursions or any other



other environmental concerns

► Real-time visibility of the product location

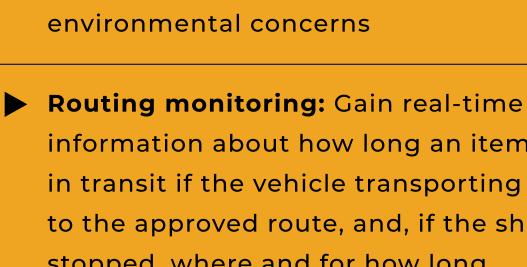
and condition (Temperature, Pressure,

**▶ Routing and Environment Monitoring** to ensure product safety and potency

► Intelligent alerts to reroute shipments or take

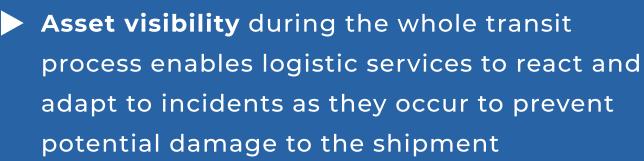
actions to remedy temperature excursions and

- ► Audit trail through the capture of sensor data during a shipment lifecycle on the cloud



### information about how long an item has been in transit if the vehicle transporting it adhered to the approved route, and, if the shipment

- stopped, where and for how long ▶ Prevent product spoilage and financial losses
- by redirecting shipments to extend shelf life, and recalling compromised products rather than the complete batch ▶ Protect brand identity with the use of data to
- halt shipments that may have been spoiled to reach end-users



▶ Quality maintenance throughout shipping and storing with alerts ► Traceability Verify the time of possible

damage to determine the responsible party

► Temperature monitoring to ensure maximum

time the seafood products are usable

Write to us for a demo of the platform marketing@innominds.com

Help your cold chain business improve efficiency, reduce waste, and distribute products better.

For a customized cold chain monitoring IoT solution, contact us today.