

Supply Chains: Improving Asset Visibility with IoT

The logistics landscape is complex, especially with global deployments. Accurate asset monitoring and management throughout the [supply chain](#) life cycle are critical to a company's success. A leading supply chain company approached us to design, develop and deploy the right global [asset management solution](#).

Overcoming Supply Chain Disruptions and Asset Mismanagement

The supply chain leader was experiencing frequent disruptions that resulted in recurring multimillion-dollar losses. Mobile asset mismanagement due to human and technical errors also harmed productivity. The organization needed an integrated solution to enable real-time tracking of powered and non-powered assets as they moved in and out of the warehouse.



A Real-Time IoT Asset Tracking and Monitoring Solution

We deployed our real-time IoT asset tracking solution with low-power beacon tags featuring *Bluetooth*® wireless technology to monitor assets at the package level. A combination of battery-operated and DC-powered IoT trackers and gateways were deployed throughout the warehouse and its fleet of forklift and transportation vehicles. The beacon data could be captured while reporting location and condition data.

The solution leveraged embedded GPS and cellular functionality to enable:

- Broad-spectrum connectivity
- Data insights
- Predictive maintenance notifications
- Cross-domain analytics
- Real-time visibility

Intelligent alerts were incorporated into the solution, including:

- Asset movement
- Tampering
- Geofence crossing



Increased Revenues and Enhanced Security with IoT for Supply Chains

Our IoT asset tracking solution brought vital results to the company, including:

- Pinpoint visibility for all global assets
- Increased optimization
- Quick retrieval of misplaced assets across all warehouses
- Enhanced security and safety for mobile assets via quick alerts
- Prompt corrective actions
- Timely supply chain disruption and failure resolution
- Reduced geofence breaches
- Improved theft prevention
- Higher revenues and lower costs

Speak with our IoT experts to explore how we can build your custom IoT supply chain solution.

Create Your Custom IoT Solution

[Request a Consultation](#)