



Traceability

**Getting your Supply Chain
Communicating**

Tosca Reusable Solutions



Traceability =
Efficiency
Data
Quality

Tracking packaging should go beyond simply knowing where they are and enable a company to better manage their products.



Responding to recalls
Impacts from temperature, humidity
and shock
Stock management

Tracking systems should be able to provide you with the necessary data.

**Toscas Asset IQ provides such
data and empowerment to
customers!**

Getting Your Supply Chain Talking

Passive & Active Tracking Options Available



Full visibility and control

Provides a holistic view of assets, giving complete control and visibility over their location, condition, and status.



Optimized efficiency

Streamlines operations by optimizing routes, reducing waste, damage, and predicting equipment failures.



Better inventory management

Enables monitoring 'freshness' of goods in transit to allow better final inventory rotation as well as inventory point of sale execution.



Regulatory compliance

Streamlines data collection and automated reporting to stay ahead of ever-changing regulations such as food safety regulations such as US Food Safety Management Act 204 and packaging regulations such as the EU Packaging and Packaging Waste Regulation and country or state level Extended Producer Responsibility laws.



Smarter decision-making

Get real-time insights, make informed decisions to enhance security and efficiency.

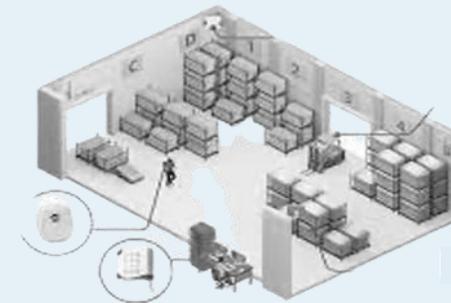
Key Components of IoT



Trackers / Tags



Infrastructure



Connectivity



Dashboard / Analytics

100%

Of new assets have built in RFID tags, sensors or tracking bar codes that can withstand humidity and cold

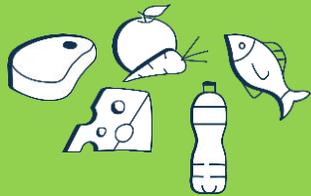
ONE tag per RPC

ONE RPC = 100 corrugated boxes

100 x corrugated boxes eliminated

=

99 trackers eliminated



Cost effective capability for food recall support

100%

Providing data on humidity, temperature and shock*



Stock Management

Enhances product placement and stock rotation

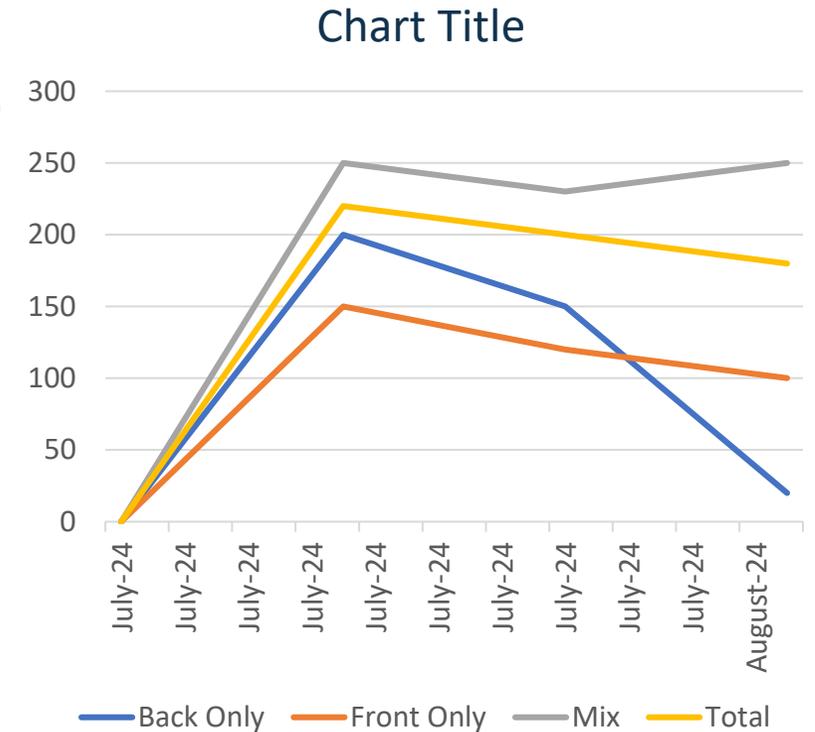
Tosca Asset IQ
Protects your business

**A specialist service*

IoT Point of Sale Monitoring!

Prove Promo Effectiveness, Confirm Execution

- Our IoT allows monitoring of POS placement and activity.
- This provides retail insight, confirmation of contractual promotional usage and correct store deployment; maximizing sales and requirement for instore auditing costs.



Fast accurate data available during recalls while reducing cost (waste and emissions) by eliminating unnecessary disposal of food

Knowing what products are exposed to enables appropriate stock management vs FIFO to enable better quality and reduce unnecessary food waste

Knowing how stock placement is working improves profitability

Minimizes potential for product to go 'missing'

Enables digital data sharing along the supply chain

Cuts the cost of tagging – one tag on one reusable

[Discover more about Toscas traceability capabilities.](#)

Benefits of RTPs On Total Cost of Packaging

Traceability is a key part of TCOP.

RTP = Reusable Transport Packaging

Our 2030 Goals



Regulatory Compliance & Data Security & Operational Efficiency

- Enable customers to **readily comply with packaging regulations** [such as the EU Packaging and Packaging Waste Regulations labelling requirements and the US Food Safety Management Act – 204 food traceability list... and require the same from critical suppliers
- Maintain best-in-class cybersecurity
- **Achieve and maintain ISO 27000 certification**
- **Technology-based inventory management in place**

Learn more about Traceability



Supply chain outlook: What to expect near-future



9 reasons to switch to reusable and foldable liquid IBCs



Arrival and departure updates for a large global retailer



Preventing lost assets for a Pan-European retailer



Enhancing point of purchase data for a global supplier



Grocery leader implements active IoT to reduce packaging losses



Five ways supply chain IoT can help your business: Use cases and examples



Tosca launches comprehensive supply chain IoT service, Asset IQ

Learn more about Traceability



How reusable packaging upgrades your supply chain



Tosca home delivery crate delivers a superior customer experience



The hidden costs of corrugated boxes for the poultry industry



Less shrink, more savings: How folding plastic crates improve your bottom line