RETAIL SOLUTIONS

OSIRIS TECHNICAL SYSTEMS
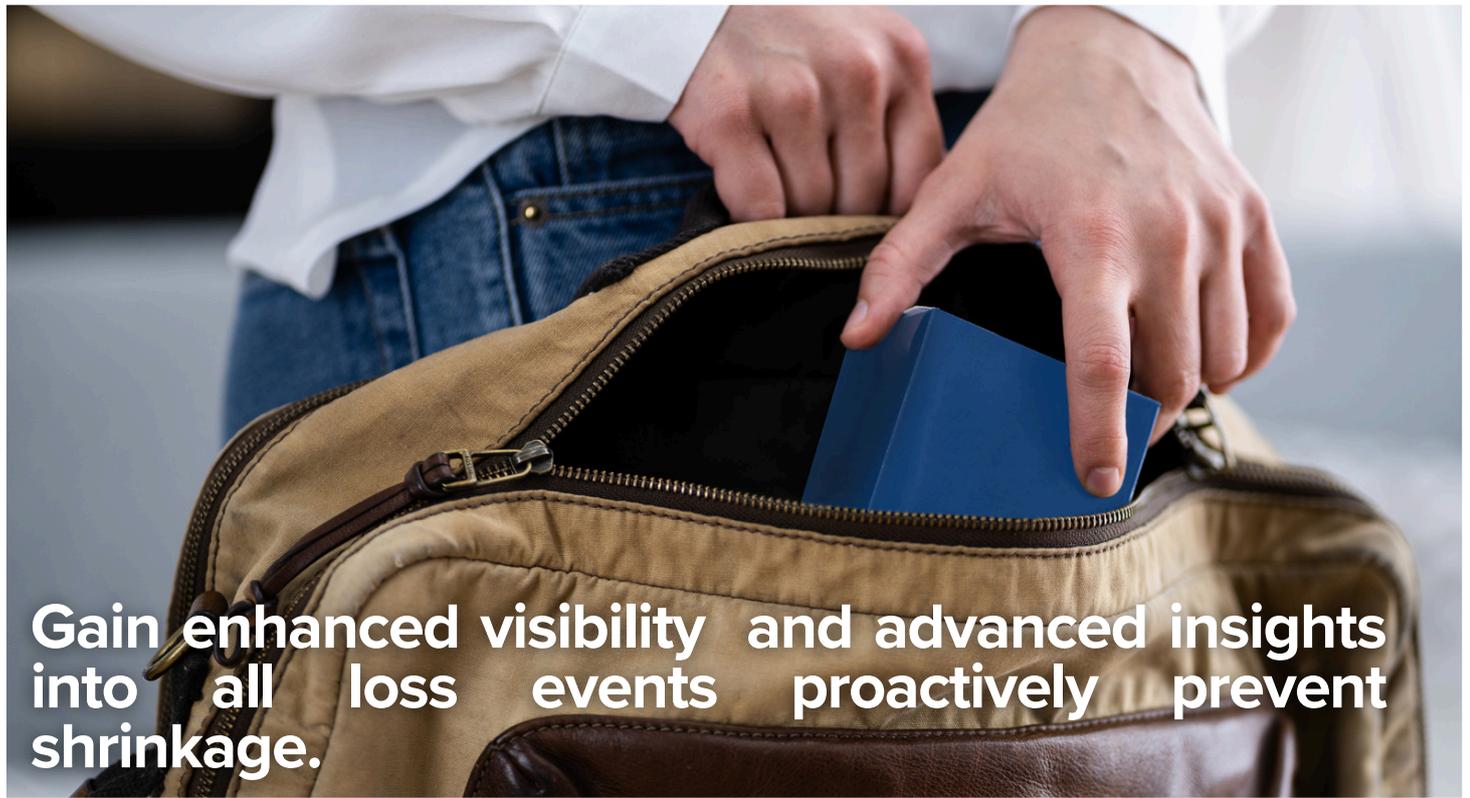
SHRINKAGE PREVENTION

Gain enhanced visibility and advanced insights into all loss events proactively prevent shrinkage.

With the demand tool often felt in the retail world, the sound of an exit alarm is often ignored by both staff and shoppers, who have grown accustomed to its frequent false alerts. Yet, the problem of losing millions of Rands each year due to theft and inventory errors remains a significant challenge for businesses.

Osiris Technical Systems understands the operational aspect of this issue and offers innovative solutions tailored to meet these needs. Our systems go beyond the basic alarm; giving retailers of all sizes the ability to track each individual item, ensuring that nothing leaves the store unnoticed - retailers have the ability to know exactly which item left the store, got damaged or stolen internally. This level of detail not only enhances security but also provides peace of mind to store personnel and management.

Our cutting-edge RFID Inventory Management Solution, developed alongside expert partners, doesn't just protect assets - it fits smoothly into the store's environment, respecting the aesthetic and shopping experience that customers appreciate.

This advanced shrink visibility system delivers valuable insights, allowing retailers to tackle loss with precision and care. By understanding the nuances of each event, businesses can focus their efforts more effectively, ultimately preserving revenue while maintaining a pleasant experience for their customers.

OSIRIS
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Osiris Technical Systems offers shrinkage prevention through our RFID Solutions, using THREE simple steps:

1

Tag Inventory
Stock/Asset Tagging

With RFID tags attached to products, retailers can swiftly scan entire pallets or shelves in seconds, providing real-time updates on inventory levels.

Pallet Build Tagging: A single RFID tag is placed on a pallet that contains multiple items. This method allows for quick scanning and is particularly useful for tracking large quantities of products during shipping and receiving. It is efficient for inventory management at a macro level - providing an overview of stock movement without needing to identify individual items.

Batch Tagging: Tagging groups of similar items within a shipment batch. This method is useful when items are handled in bulk, such as in manufacturing plants or distribution center applications. This allows for efficient management of product batches, ensuring that groups of items are tracked collectively, which is beneficial for quality control and batch monitoring.

Item-Level Tagging: RFID tags, encoded with product information, are placed on individual products. This method offers the most detail, enabling precise tracking of each product's location and status. It is particularly beneficial for retailers and other industries where individual item tracking is crucial, such as in apparel or electronics, allowing for enhanced inventory accuracy, product security and brand trust.

Each tagging method offers unique benefits and selected based on the specific needs of the inventory management process.

2 Read Inventory
Conducting Inventory Cycle Counts

Retailers have found that inventory cycle counts using RFID systems are 25 times faster compared to manual item counts.

RFID offers automated, inventory management solutions for significant improvement over traditional manual counting methods by providing continuous access to detailed insights and ease of use.

Our Chainway HF/UHF RFID handheld readers are designed to enhance the inventory counting process. These sophisticated devices are built to achieve high read rates with exceptional accuracy and speed. Their ergonomic design enables quick and precise identification and location of items, making them particularly suitable for mobile inventory tasks.

These devices provide mobility, allowing team members to move freely within the warehouse or store, efficiently capturing data without being confined to a specific location or having to have line of sight of the item(s) being tagged.

Having a consistent schedule for inventory counts, whether daily or weekly, ensures that stock levels are accurately maintained and current. Regular counting helps prevent inconsistencies and offers valuable insights into stock trends and sales patterns.

This flexibility promotes effective inventory management and helps maintain optimal stock levels consistently.
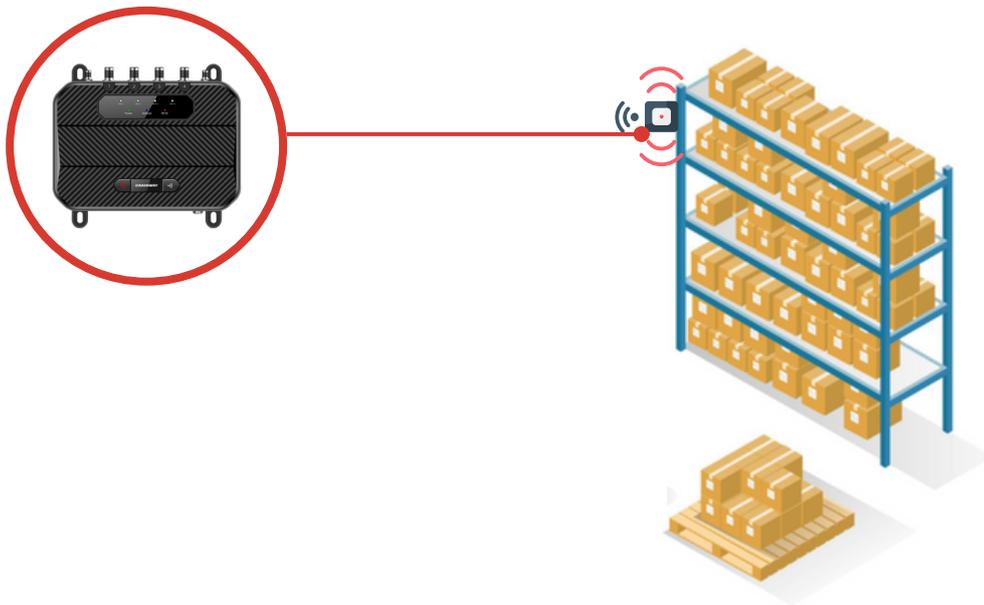
On the other hand, our Chainway® and Impinj® series readers are perfect for more stationary applications within inventory systems. These readers are engineered to integrate seamlessly into your existing infrastructure, providing consistent high-performance read rates with exceptional precision.

The Impinj® readers, in particular, come equipped with the advanced Impinj® Gen 2x technology, which significantly enhances their capabilities. This cutting-edge technology offers superior read sensitivity and faster data processing, ensuring that even the most challenging inventory environments are managed with ease.

These readers are particularly ideal for environments where continuous tracking and monitoring are necessary, such as receiving docks or assembly lines, where keeping track of inventory is crucial for smooth operations.

By streamlining the inventory process, these series readers help alleviate labor burdens, allowing your team to focus on more strategic tasks such as planning and optimization, while maintaining operational efficiency.

Their robust design ensures durability and longevity, reducing maintenance needs and associated costs. Additionally, the advanced Impinj® Gen 2x technology ensures that even the most complex inventory systems can be managed effortlessly, providing real-time data that can be used to proactively make informed decisions.

This not only enhances productivity but also contributes to a more organized and efficient workflow - ultimately driving business growth and success.

3 Monitor Inventory
Identify And Respond To Trends
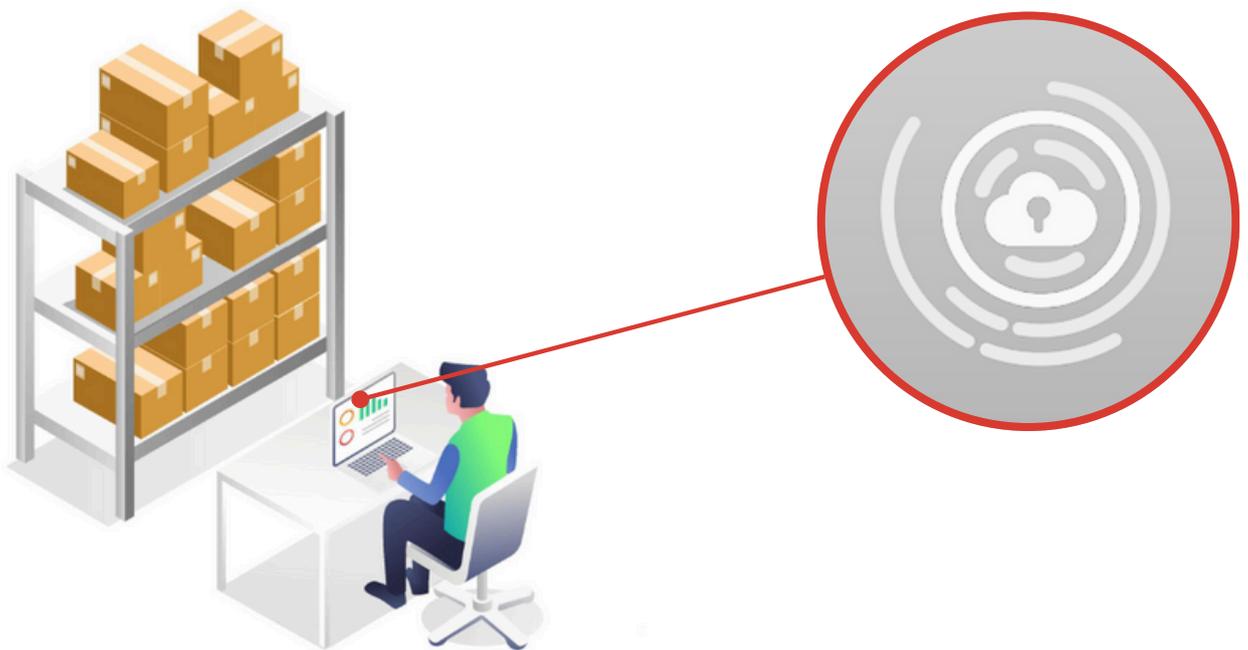
Integrating real-time inventory and events data with our OpenItem PaaS cloud-based, data enabled multi-device Mobile Workforce Automation System, which offers numerous benefits in terms of inventory visibility and theft prevention. By providing immediate updates on inventory levels, staff are better equipped to monitor stock and respond to potential theft quickly. When unpaid inventory exits the store, alerts can notify staff instantly, enabling swift action to mitigate losses.

Moreover, this integration supports the development of enhanced prevention strategies. With access to comprehensive data, businesses can identify theft patterns, high-risk items, and vulnerable zones within the store. This information allows for targeted interventions, such as reallocating resources, adjusting security measures, or modifying store layouts to minimize risks.

Additionally, real-time data aids in reducing stock damage by ensuring that items are handled more efficiently and kept in optimal conditions. It allows for better tracking of inventory movement, ensuring that products are not left unattended or mishandled, which can lead to spoilage or breakage.

Overall, the integration of real-time data with the Wyobi integrated system and OpenItem not only helps in curbing theft and reducing stock damage but also enhances operational efficiency and customer satisfaction by maintaining well-organized and adequately stocked shelves.

Recognizing Trends in Inventory Loss and Shoplifting Incidents

Currently, most retail loss prevention strategies are reactive. However, by gaining deeper insights into theft incidents, retailers can quickly identify and adapt to new tactics employed by shoplifters.

With item-level tracking and an optional alarm kit, retailers can implement selective alarming based on the merchandise and its value as it leaves the store.

Effortlessly Integrate Loss Prevention and Product Authentication

Discover a seamless loss prevention solution that aligns with an effective returns process. Our innovative tag chips provide integrated loss prevention and ensure product authentication.

This functionality enables retailers to automatically adjust inventory when items are purchased, enhances the customer experience at store exits, and ensures easy return of products to store inventory.

Realize fast sales floor replenishment to maintain sales volumes

When store staff can't see inventory levels for each item, they have a hard time knowing when to restock after theft. This doesn't just mean losing the item itself, but also missing out on potential profits.

It's often the most popular items that get stolen, leaving shelves empty and customers disappointed. In using RFID technology, store personnel can quickly identify and restock missing items, keeping the sales floor ready for shoppers.

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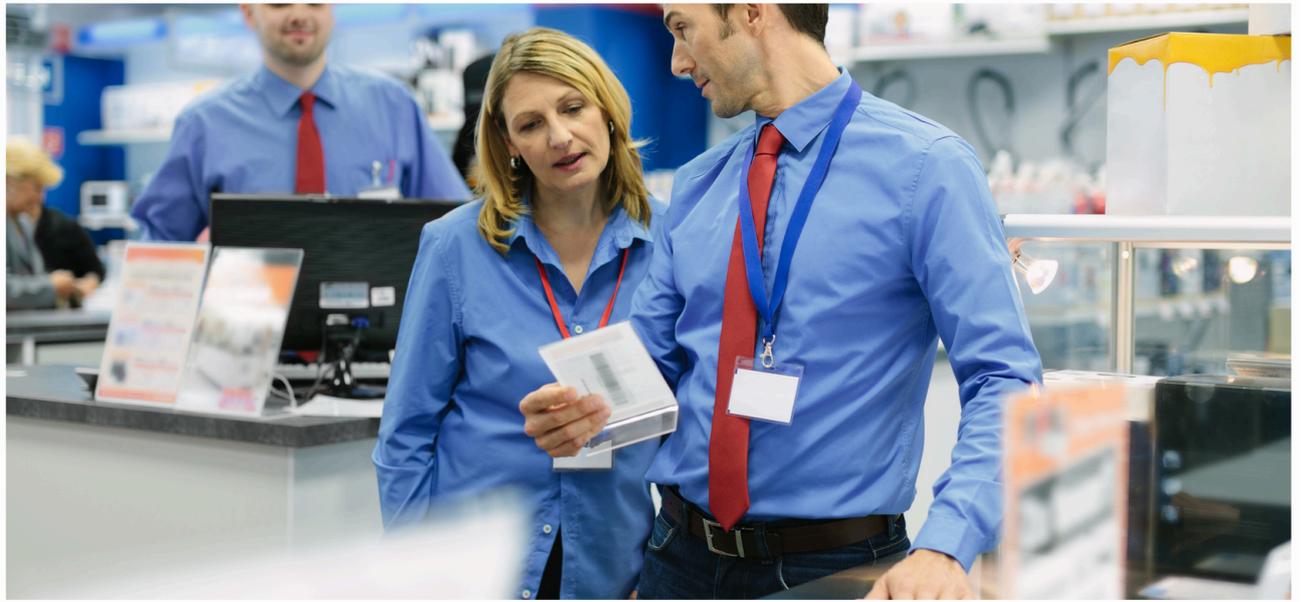
Implementing an RFID system is crucial for retailers of all sizes seeking to prevent retail shrinkage and stay competitive in today's market. By integrating RFID technology, retailers can enhance inventory accuracy, leading to improved stock management and minimizing losses from overstocking or under-stocking. This increased accuracy translates into higher sales and greater customer satisfaction, as products are more likely to be available when needed.

RFID systems also streamline operations by automating inventory tracking, reducing the need for manual labor, and thus lowering operational costs. The technology provides real-time data insights, enabling retailers to make quick, informed decisions. In a dynamic retail environment, it's vital to stay ahead of competitors, and RFID offers a technological edge that boosts overall efficiency and profitability.

Precise inventory tracking allows retailers to respond swiftly to market demands and consumer trends, enhancing their competitive position. This responsiveness can lead to improved brand loyalty and customer retention, as shoppers are more likely to return to stores where they consistently find what they need.

The need for RFID systems is urgent, as retailers who hesitate may fall behind those who have already adopted this innovative technology. With the potential to transform retail operations, RFID is essential for retailers aiming to thrive in the modern market. Whether a small boutique or a large chain, integrating RFID technology can lead to significant improvements in operational efficiency and customer satisfaction, while effectively preventing shrinkage.

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