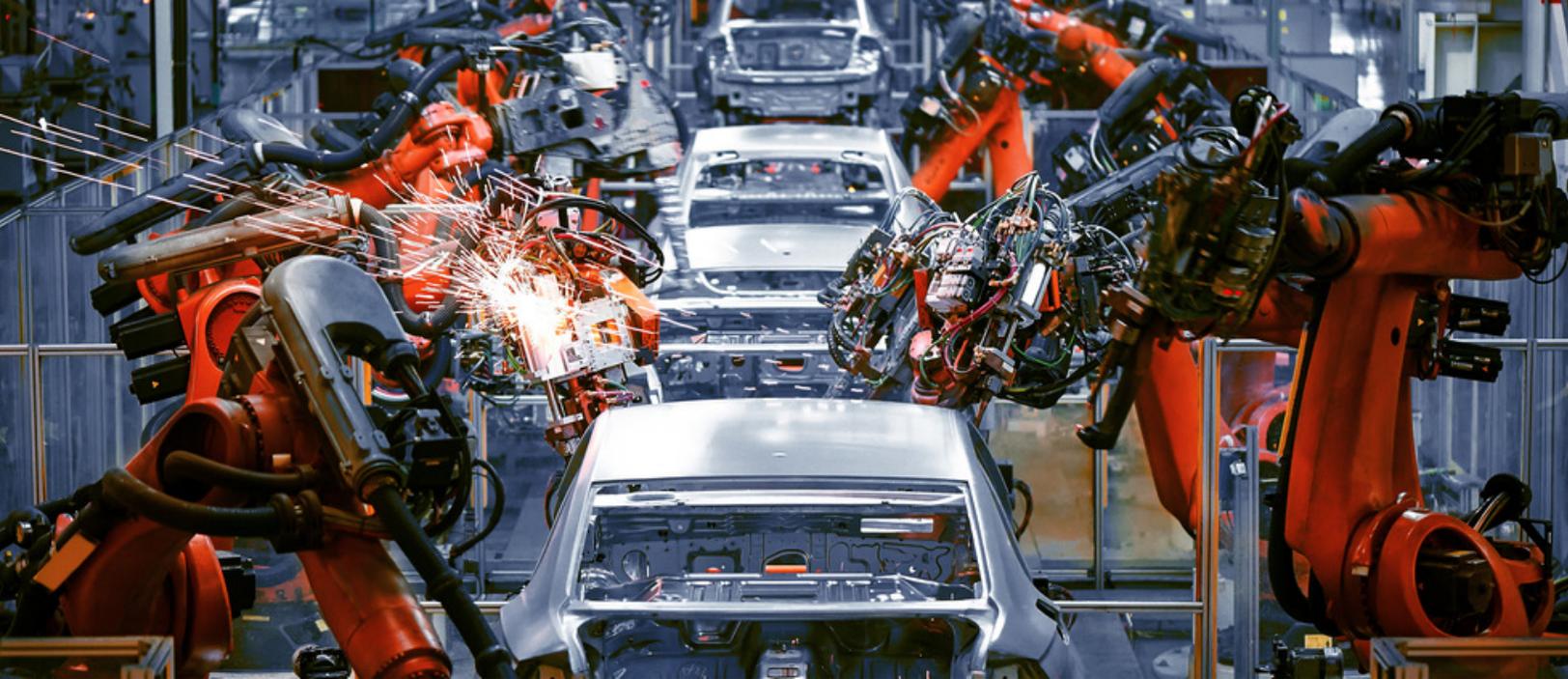




RFID TRACKING for Manufacturing

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RFRain MANUFACTURING SOLUTIONS

Increase visibility and automate asset and inventory management. RFRain's RFID solutions for real-time item tracking for manufacturing can bring unparalleled levels of accuracy, efficiency and business intelligence. RFRain has worked with clients in the automotive industry and bottling companies.

RFID benefits:

Enhance work-in-process efficiencies

Predict disruptions in equipment or production flow.
Make data-driven decisions to optimize productivity.

Asset Allocation Tracking

Identify the location of assets in the warehouse.

Inventory Management

Maximize full inventory efficiencies in the warehouse with the high-performance RFRain handheld reader.

Optimize Supply chain

Improve end-to-end supply chain visibility. Manage shipments arriving or departing and verify the correct shipment being shipped.

Employee Attendance and Tracking

Track employee time and attendance in real-time with wearables.





WORK-IN-PROCESS

RFRain optimizes work-in-process through real-time production line tracking with our RFID hardware and software solutions that track component progress during different stages of assembly, identify bottlenecks, and enabling process efficiency with increased throughput.

How it works

Using real-time tracking, RFID tags can be tracked and located during work-in-process. The RFR-RAIN-4-SMART reader and antennas are installed at various locations above the assembly line. The Smart Reader identifies an RFID tag attached to parts passing through various areas of the assembly line pinpointing its exact whereabouts.

RFRain RFID tracking software

Unlike any other readers in the market, our Smart Readers come with pre-installed Zone Manager software, eliminating the need of additional software. Our Plug-and-Play system is designed for easy installation and programming. The RFR-RAIN-4-SMART reader connects via LAN, WIFI or cellular connection and the collected data is automatically and instantly uploaded to the Zone Manager Enterprise server running in the cloud or on-premise. The Zone Manager works as a stand-alone application and can be seamlessly integrated with existing enterprise systems through Rest API.





ASSET ALLOCATION TRACKING

Automate materials tracking for efficient storage and quick retrieval. RFRain's solution for real-time asset tracking in the warehouse is the RFRain Forklift System. The RFRain Forklift System automates and streamlines pallet visibility and processing. This forklift system brings immediate and significant cost savings to pallet handling and management operations in warehouses.

How it works

The forklift is retrofitted with the RFR-RAIN-4-SMART-ADV reader with GPS, an antenna and image-recognition camera. The Advanced Smart Reader identifies an RFID pallet tag after a pallet has been loaded onto the forklift. The system then identifies the pallet storage location, utilizing GPS and camera to confirm that the pallet has been picked up or dropped off at that location. The RFR-FORKLIFT-SMART utilises advanced image processing algorithms to capture the pallet location.

RFRain RFID tracking software

Unlike any other RFID readers in the market, our Smart Readers come with pre-installed Zone Manager software, eliminating the need of additional software. Our Plug-and-Play system is designed for easy installation and programming. The RFR-RAIN-4-SMART-ADV advanced reader connects via WIFI or cellular connection and the collected data is automatically and instantly uploaded to the Zone Manager Enterprise server running in the cloud or on-premise. The Zone Manager works as a stand-alone application and can be seamlessly integrated with existing warehouse management systems through Rest API.





INVENTORY MANAGEMENT

RFRain's solution for real-time inventory management on the warehouse floor is the RFRain RFR-RAIN-1-HANDHELD reader. The RFRain handheld reader automates and streamlines inventory management, from increasing pallet visibility to processing more pallets per shift while reducing labor costs.

How it works

The RFRain RFR-RAIN-1-HANDHELD is a high-performance mobile reader that is optimized for fast and accurate inventorying on the warehouse floor. The battery lasts up to 7.5 hours and has the highest transmit power and read range in the world. Quickly and efficiently read thousands of tags and identify an entire wall of tagged goods at once regardless of item orientation, alignment, and at a distance up to 30 ft.

RFRain RFID tracking software

Unlike any other RFID handheld readers in the market, our RFR-RAIN-1-HANDHELD Readers come with the Zone Manager app for iOS smart phones, eliminating the need of additional software. Our Plug-and-Play system is designed for easy installation and programming. The RFR-RAIN-1-HANDHELD reader connects via WIFI or cellular connection and the collected data is automatically and instantly uploaded to the Zone Manager Enterprise server running in the cloud or on-premise. The Zone Manager works as a stand-alone application and can be seamlessly integrated with existing warehouse management systems through Rest API.





INBOUND AND OUTBOUND

RFRain's solution for real-time tracking of inbound and outbound shipment is the RFRain dock door system. The RFRain System automates and streamlines pallet movement for enhanced efficiency and accuracy, eliminating human error.

How it works

The RFR-RAIN-4-SMART reader with up to four monostatic antennas are installed above the docking doors. The Smart Reader identifies an RFID tag attached to pallets, containers from trucks coming in and out. The system then identifies the pallet location with a timestamp of arrival and departure.

RFRain RFID tracking software

The RFR-RAIN-4-SMART reader connects via LAN, WIFI or cellular connection and the collected data is automatically and instantly uploaded to the Zone Manager Enterprise server running in the cloud or on-premise. All supply chain managers have access to time and location of dispatch of goods. With the Order Accuracy Manager feature of the Zone Manager confirm that the right shipment has been picked up for delivery. With alerts & email notifications, managers can be informed when goods have been shipped. The Zone Manager works as a stand-alone application and can be seamlessly integrated with existing enterprise systems through Rest API.



EMPLOYEE TRACKING

RFRain solution ensures visibility of employees by tracking their whereabouts and monitoring their presence in hazardous environments.

How it works

The RFR-RAIN-4-SMART reader with two monostatic antennas are installed above a doorway. The Smart Reader identifies the directional movement of an RFID embedded wristband worn by employees coming in and out of an area. The system identifies the person's location with arrival and departure time.

RFRain RFID tracking software

Unlike any other readers in the market, our Smart Readers come with pre-installed Zone Manager software, eliminating the need of additional software. Our Plug-and-Play system is designed for easy installation and programming. The RFR-RAIN-4-SMART reader connects via LAN, WIFI or cellular connection and the collected data is automatically and instantly uploaded to the Zone Manager Enterprise server running in the cloud or on-premise. The Zone Manager works as a stand-alone application and can be seamlessly integrated with existing enterprise systems through Rest API.

RFRain TRACKING HARDWARE

RFRain RFID hardware and software solutions combine RFID tags and readers, long-range mobile handheld readers, and software technologies to enable real-time inventory tracking.

RFRain RFR-RAIN-4-SMART

The RFRain RFR-RAIN-4-SMART is a high-performance fixed RFID reader optimized for fast and accurate reading of tagged items. Perfectly suited for assembly lines, forklift applications and docking door systems. Mobile battery-powered version RFR-RAIN-4-SMART-ADV available.



RFRain RFR-RAIN-1-HANDHELD

The RFRain RFR-RAIN-1-HANDHELD reader is a high-performance mobile reader optimized for fast and accurate inventorying on the warehouse floor. Quickly and efficiently walk the entire floor and scan thousands of tags at once based on your location and store the data automatically in the Zone Manager Enterprise.



RFRain Antennas and Tags

The RFRain antennas are optimized and guaranteed to work with RFRain's Smart Readers for fast and accurate detecting of tagged items. Our passive UHF tags allow tracking of manufacturing items, employees, pallet boxes.



ABOUT RFRain

RFRain is an inventory and asset management company which has developed a complete end-to-end solution of hardware and software. It collects data received from RFID tags and sensors and manages the data within the cloud, or on-premise, for real-time access by multi-location companies and organizations. The technology gets delivered via an online dashboard that offers real-time data delivery 24/7 for inventory management.

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