EmergTech
SOLUTIONS

COMPANY PROFILE

RFID and IoT Solutions for Supply Chain & Factory Automation

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SCAN ME

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ABOUT US

EmergTech is a value-added reseller of IoT solutions specializing in supply chain and factory automation. As a business solution provider, we leverage Industry 4.0 technologies to deliver customized solutions that streamline and automate business operations efficiently.

Turnkey solutions

Warehouse management, Asset Management and Work-in-process solutions

Customized Software
RFID Integrate with hardware

Hardware partners, Software Services & Customized software

ERP Services

odoo

SAP   ORACLE
E-Business Suite

Technologies

Image-processing, AR, AI, BI, Data Analytics, Factory 4.0, RFIDs with customized turnkey solutions.

RFID & Barcode Partners

EVS   MUX

ZEBRA   CIPHER LAB
Smarter

CONFIDEX   Urovo

CHAINWAY   SOTI

Industries

Pharmaceutical, FMCG, Health Care, Transport, Logistics, Retail, Textile and more.

Summary of Our Products & Services

EmergTech is a value-added reseller of IoT solutions specializing in supply chain and factory automation. As a business solution provider, we leverage Industry 4.0 technologies to deliver customized solutions that streamline and automate business operations efficiently.

HARDWARE

Barcode Hardware

Printing

Attendence

RFID Hardware

POS

RTLS

Packaging

Barcode Consumables

RFID Consumables

SERVICES

ERP Services

ERP Integration

Consultancy

RF site surveys

Corporate training

Hardware repair

Business engineering

Software development

Service level agreement

PRODUCTS

Warehouse management

Asset tracking system

QC inspection system

Direct printing system

Sorting machine

Mobile device management

Automated guided vehicles

AR/MR based products

Integrated Software Solutions

Our software solutions seamlessly integrate with various backend databases, including SAP, EBS, Odoo, Datatex and more. Our domain-specific experts ensure smooth and professional database integrations.

Tested and Acredited solutions

Our warehouse management and asset management solutions are running in industry leading companies like Unilever, Engro, EBM etc. Our solutions are tailored for both large and small scale industries.

TOP OF THE LINE IoT Hardware

We are partners of the best hardware manufacturers like ZEBRA, CiphlerLab & Confidex. We deliver industrial graded devices to ensure your business processes run smoothly.

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Warehouse Management System

Warehouse Management Process Flow

Purchase Order · Quality Inspection · Scan carton, pallet then Bin for **mapping** before put away · Scanning

Inbound → Supplier → GRN → Recieving → Tag Issuance → OR / RFID → Tagging → Palletization → Put away → Bin Allocation

Cross Docking

outbound ← Customer ← Invoice ← Shipment ← ASN ← Palletization ← Picking ← Bin location ← Pick Alert ← Pick list

Sales Order

Scan bin, pallet then carton according to **pick list** for picking

Benefits of Our solution

- Maximizes use of space
- Customized label generation
- Traceable inventory
- Production count in real time
- digitized pick-list reduces costly picking errors
- Reduce miss-shipments
- Digitzed forms on HHT for real-time QC

Solution Components

- Mobile Computer (HHT)
- Label Printer
- Barcode OR RFID Tags
- Tag Reader & Antenna

Custom Mobile application integrated with back office

Custom Desktop application integrated with SAP/EBS etc

SAP · ORACLE E-Business Suite · odoo · datatex

Efficient Put-away and Picking

HHT controlled Bin mapping and allocation for efficient put away. Digital Pick list fetched from ERP for accurate picking

Packing and Staging

Carton & pallet tagging with RFID or Barcode for real time traceability and asset tracking
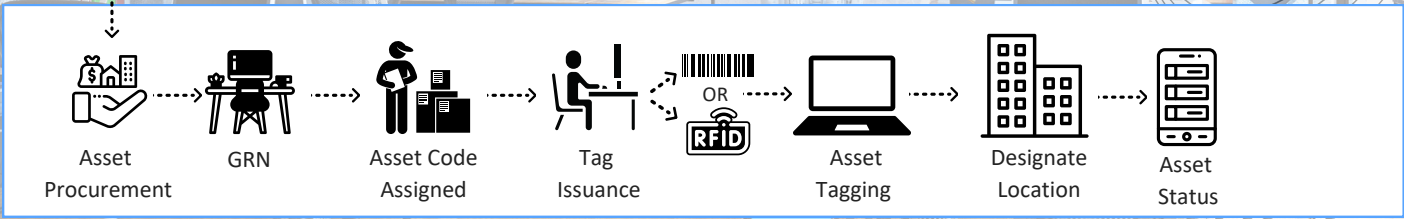
Cross Docking

Ensure packages to be on the right lorry in the right order for efficient deliveries

Shipping
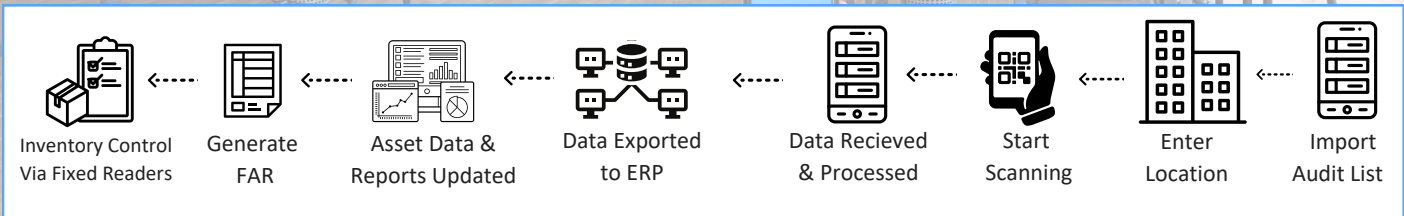
Automated loading verification process eliminating mis-shipments

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Asset Management System

Tagging Cycle

Purchase Order

Asset Procurement → GRN → Asset Code Assigned → Tag Issuance → OR / RFID → Asset Tagging → Designate Location → Asset Status

Audit Flow

Inventory Control Via Fixed Readers ← Generate FAR ← Asset Data & Reports Updated ← Data Exported to ERP ← Data Recieved & Processed ← Start Scanning ← Enter Location ← Import Audit List

Benefits of Our solution

- Asset audit automation
- Efficient inventory management.
- Enhanced asset visibility & utilization
- Streamlined maintenance processes
- Increased asset lifespan & tracking
- Reduced operational costs
- Integration with other systems

Solution Components

Mobile Computer (HHT)

Label Printer

Barcode OR RFID Tags

Tag Reader & Antenna

Custom Mobile application integrated with back office

Custom Desktop application integrated with SAP/EBS etc

SAP

ORACLE E-Business Suite

odoo

datatex

Asset Availability and Status

Our solution keeps track of the assets giving relevant status updates. An up to date status enables planned scheduling thus reducing down time.

Asset Audits and Tracing

Auditing would take a few hours instead of days in the case of manual auditing. Easily trace hidden assets with our Asset Finder feature.

Asset Reports

Relevant dashboards to gain valuable insights to make better business decisions.

User Management

Authorization based on user roles with user verification's according to your norms.

Our Products

Barcode Hardware

RFID Hardware

POS

Printing

RTLS

Packaging

Attendence

Barcode Consumables

RFID Consumables

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Our Valued Clients

Unilever	engro corp	INTERLOOP	DSV
FAP	TCS WE MOVE YOU	Beaconhouse	GAT LOGISTICS
FFC	EBM	HONDA	
PEL	Atlas Honda	AG&C Ali Gohar & Company (Private) Limited	GatronoVa
YUNUS Textiles for a BETTER life	Tri-pack	P PACKAGES Limited	TATA PAKISTAN
COTTON WEB LIMITED	COMBINED FABRICS LTD. The Knitwear Company	DP WORLD	Atlas D.I.D
Haier	WALL'S	HUTCHISONPORTS PAKISTAN	FEROZE 1888 MILLS LTD Weaving a Better World THE ONLY OFFICIAL PAGE

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Our Valued Partners

CIPHERLAB Smarter	CONFIDEX	IMPINJ
ZEBRA	UROVO	SOTI
Hanex By Hyundai L&C	Lambda Theta Simple Solutions for Complex Problems	ZSS ZENITH Smart Solutions
beontag	KELIER	ZKTeco
MOKO SMART	Woosim systems	POS TEKTRONICS HONG KONG
G&G SMART TECHNOLOGY LIMITED	Getac	萬向電子 CWELL TECHNOLOGY CO.,LTD
RONGTA	EVS	mux

PRODUCT AND SOLUTION OVERVIEW

• MOBILE COMPUTING

EmergTech's mobile computing solutions enable real-time data capture and improve the efficiency of on-the-go workers. These integrated products help businesses collect and exchange information tailored to their needs.

• PRINTERS

Our vendors are global leaders in rugged, reliable thermal printers. Barcode printing technology improves data management, reduces costs, and boosts productivity. We offer a wide range of options, including industrial, desktop, mobile, and wristband printers.

• RFID

EmergTech's RFID printer/encoders enhance solution efficiency by reducing manual processes, improving inventory accuracy, and boosting supply chain visibility through radio frequency identification technology.

• BARCODE

EmergTech offers a wide range of specialty supplies, including labels, receipt paper, wristbands, ribbons, and custom options. We rigorously test all materials to ensure high quality and compatibility with our printers and customers' needs.

• SOFTWARE

Our software integrates and manages devices, enhancing capabilities. We offer asset tracking and IoT-based warehouse management software for improved inventory control and transparency.

• ERP INTEGRATION

Integration is key to our solutions, enabling seamless data flow with custom software and tested APIs. Our experts in SAP and EBS ensure hassle-free integrations and provide user training, aiming to create a fully connected digital ecosystem.

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PRODUCT AND SOLUTION OVERVIEW

• QC INSPECTION

EmergTech's inspection system ensures QC-on-the-go, using high-speed cameras and custom machine vision software to detect faulty products on fast conveyors. Our industrial-grade solution integrates seamlessly with backend ERPs for real-time production visibility.

• SORTING MACHINE

EmergTech's sorting system performs QC and sorting simultaneously, using high-speed cameras and custom machine vision software to detect and sort faulty products on fast conveyors. This industrial-grade solution integrates with backend ERPs for real-time production visibility.

• DIRECT PRINTING SYSTEM

EmergTech's direct printing system uses ink cartridge-equipped printing guns to print directly on most surfaces, eliminating the need for labels and tags. Available in both portable and fixed variants.

• ROBOTICS

We provide advanced robotic arms and AGVs, boosting automation and productivity. Robotic arms work alongside operators for precision, while AGVs autonomously optimize material transportation.

• SUPPLIES & ACCESSORIES

We offer specialty supplies like labels, receipt paper, wristbands, and pistol grips for handheld scanning. All materials are rigorously tested for quality and compatibility with our hardware and customer needs.

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EMPOWERING YOUR BUSINESS WITH BARCODE TECHNOLOGY

Innovative Solutions for Tracking, Automation, and Efficiency with Barcodes

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Why Barcode?

Barcode technology offers real-time tracking, enhanced inventory accuracy, and automation to streamline operations across industries. From reducing costs in healthcare to improving efficiency in manufacturing, barcodes drive smarter decision-making. Their versatility delivers measurable benefits in logistics, retail, agriculture, and beyond.

At **EmergTech** , we leverage Barcode Technology to enhance efficiency, accuracy, and cost-effectiveness across our operations.

- **Efficient Data Capture:** Quick, accurate scanning speeds up checkout and inventory.
- **Improved Accuracy:** Reduces manual errors, ensuring consistent data.
- **Cost-Effective:** Low setup cost and savings on labor and mistakes.
- **Optimized Inventory:** Real-time tracking simplifies stock management.
- **Enhanced Traceability:** Easy product tracking supports recalls and authenticity.
- **Better Customer Experience:** Faster checkouts reduce wait times.
- **Scalable & Versatile:** Easily integrates and adapts to various industries.

Barcode Hardware

Barcode Label Printers

Efficient Barcode Printing Solutions

Crisp printing with about custom Label printing softwareDesigned to handle a variety of label materials including paper, plastic, and synthetic stocks.

Brands: Zebra

Barcode Scanners

Quick, Accurate Barcode Detection

Quickly capture barcode data, even in low light or from damaged barcodes. Can read 1D and 2D barcodes (QR codes, DataMatrix, etc.) in various formats.

Brands: Henex

Mobile Computer

Portable, Reliable Data Capture

Combines high-performance barcode scanning with mobile computing, allowing users to scan barcodes and instantly process or update data.Typically equipped with a rugged touchscreen that allows for easy navigation, data entry, and access to applications.
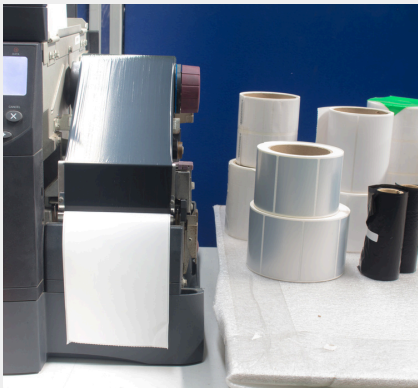
Brands: Chainway, Zebra

Barcode Label

Durable, High-Quality Labeling Solutions

Barcode labels can be tailored to include specific information, such as product details, expiration dates, serial numbers, and company logos.Available in a wide range of sizes and shapes to fit different products, packages, or storage containers.

Barcode Hardware

Barcode Ribbons

Long-Lasting, High-Performance Printing

Available in different sizes, materials, and formulations to suit a variety of label printing needs.Ensure sharp, crisp, and clear barcodes that are easy to scan, even after long-term use or exposure to wear and tear.

Rugged Tablets

Durable Devices for Tough Environments

RFID-enabled tablets for real-time data processing. Built for harsh industrial conditions.
Brand: UROVO

Mobile Printers

Compact, Wireless Label Printing

Lightweight and compact design for easy transport.Bluetooth, Wi-Fi, or NFC support for seamless connection to mobile devices.
Brands: Rongta

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EMPOWERING YOUR BUSINESS WITH RFID TECHNOLOGY

Innovative Solutions for Tracking, Automation, and Efficiency

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Why RFID?

RFID technology offers real-time tracking, enhanced inventory accuracy, and automation to streamline operations across industries. From reducing costs in healthcare to improving efficiency in manufacturing, RFID drives smarter decision-making. Its versatility delivers measurable benefits in logistics, retail, agriculture, and beyond.

At **EmergTech** , we leverage RFID (Radio Frequency Identification) to enhance efficiency, accuracy, and security across our operations.

- **Efficient Asset Tracking:** RFID allows real-time tracking of assets, reducing manual effort and eliminating errors.
- **Boosted Productivity:** Automation through RFID speeds up inventory management and goods movement, cutting costs and improving workflow.
- **Enhanced Security:** Real-time monitoring prevents theft and loss, ensuring assets are always secure.
- **Data-Driven Insights:** RFID provides valuable data that helps optimize inventory and improve decision-making.
- **Future-Proof Technology:** RFID ensures we stay ahead with innovative solutions for evolving business needs.

RFID Hardware

RFID Handhelds

Mobility and Versatility

Portable UHF RFID readers for inventory management, asset tracking, and field operations. Key features: Long read range, durability, lightweight.

Brands: zebra, cipherlab, urovo

RFID Label Printers

Precision in Printing

High-performance printers for custom RFID labels. Applications: Product tagging, logistics, and compliance labeling.

Brands: Zebra RFID printers

Fixed RFID Readers

Stationary RFID Solutions

Ideal for high-volume data capture. Perfect for tracking goods on conveyor belts or in warehouses.

Brands: Chainway, Zebra

RFID Labels and Tags

Stationary RFID Solutions

Durable, customizable labels and tags for various industries.Types:Passive and active RFID tags.

Applications: Retail, healthcare, logistics

Brands: Confidex

RFID Hardware

RFID Antennas

Amplify Your Tracking Power

High-gain antennas to enhance reading range and accuracy.

Suitable for warehouses, logistics, and access control.

Brands: Zebra, CipherLab.

Rugged Tablets

Durable Devices for Tough Environments

RFID-enabled tablets for real-time data processing.

Built for harsh industrial conditions.

Brand: UROVO

TRANSFORM TRACKING WITH BLE REAL-TIME LOCATING SYSTEMS (RTLS)

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Introduction

Bluetooth Low Energy (BLE) is a game-changer for real-time tracking and indoor navigation. Designed for low power and high efficiency, BLE beacons work seamlessly with smartphones and other devices, making it easy to track assets, guide people indoors, and unlock location-based insights. With long ranges, real-time updates, and affordable deployment, BLE is transforming how businesses stay connected to what matters most.

Applications

- **Asset Tracking :** Locate equipment, tools, and assets across facilities.
- **Personnel Tracking:** Track employee locations for safety and productivity.
- **Logistics and Warehousing:** Track trucks dispatched to customers for safe and quick order fulfillment.
- **Healthcare:** Monitor patients, staff, and medical equipment.
- **Retail and Hospitality:** Track inventory and in-store assets.
- **Education and Offices:** Manage IT equipment and ensure campus-wide safety.

![EmergTech Solutions logo]

Hardware

Viking Classic

Viking Slim

Viking Micro

Viking Tough Quuppa

ATTENDANCE MANAGEMENT SYSTEM

Achieve Enhanced Visibility, Traceability, and Control with Our Attendance Management System

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Solution Overview

Our Attendance Management System provides a comprehensive suite of solutions to address the challenges of manual attendance tracking. By leveraging advanced technologies such as biometric authentication, RFID, and cloud integration, it ensures secure, accurate, and real-time attendance monitoring.

Key features include:

Automated Attendance Tracking: Eliminates manual errors and reduces administrative workload.

Customizable Reporting: Delivers insightful data for informed decision-making.

Integration Capabilities: Integrate with Biometric devices and other tools.

Real-Time Monitoring: Tracks attendance across multiple locations with precision.

Enhanced Compliance: Ensures adherence to workplace policies and labor regulations.

![EmergTech SOLUTIONS]

ENHANCE BUSINESS EFFICIENCY WITH ADVANCED POINT OF SALES (POS)

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Solution Overview

Our integrated POS solutions combine reliable receipt printers, advanced screens, and intuitive software to streamline operations, boost efficiency, and enhance the customer experience.

Key features include:

High-Speed Printing: Ensures quick and clear receipt generation, reducing customer wait times.

Multiple Connectivity Options: Supports USB, Ethernet, and wireless connections for seamless integration.

Versatile Printing: Compatible with thermal, impact, and hybrid technologies to suit diverse needs.

Compact and Durable Design: Built to withstand high usage in busy environments.

Cost-Effective Operation: Offers long-term savings with low maintenance and consumable costs.

Intuitive POS Software: Streamlines transactions, inventory management, and reporting with user-friendly features and real-time insights.
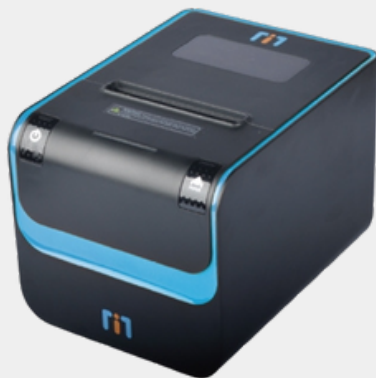
Categories

Smart Desktop Terminal（POS）

P2 Smart Desktop Terminal （Android）

Mobile POS Terminal

K9 Mobile Payment Terminal

Printer & Accessories

MP332 POS Thermal Receipt Printer with USB Serial Ethernet

Smart Desktop Terminal（POS）

A1 PLUS Smart Desktop Terminal

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AUTOMATED PACKAGING AND PRINTING

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How We Automate Packaging with Printers

Our automated packaging process begins with advanced printers that are seamlessly integrated into your packaging lines. These printers are capable of performing a range of functions, including label printing, barcode generation, product information, and branding directly onto packaging materials. The key benefits of this automated approach include:

Key features include:

- **Precision and Accuracy**: Ensures error-free, consistent printing of labels, barcodes, and details.
- **Speed and Efficiency**: Boosts production speed, handling high volumes with uncompromised quality.
- **Customizable Solutions**: Prints custom designs, logos, and details to reflect brand identity.
- **Seamless Integration**: Works smoothly with packaging lines for a fully automated process.
- **No Label Costs**: Direct printing on cartons/items eliminates label expenses, saving costs.

Categories

Tij Inkjet Printer

CIJ TIJ Inkjet Printer

RFID AND IOT SOLUTIONS FOR SUPPLY CHAIN & FACTORY AUTOMATION

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UAE: Hamriyah Free Zone, Sharjah