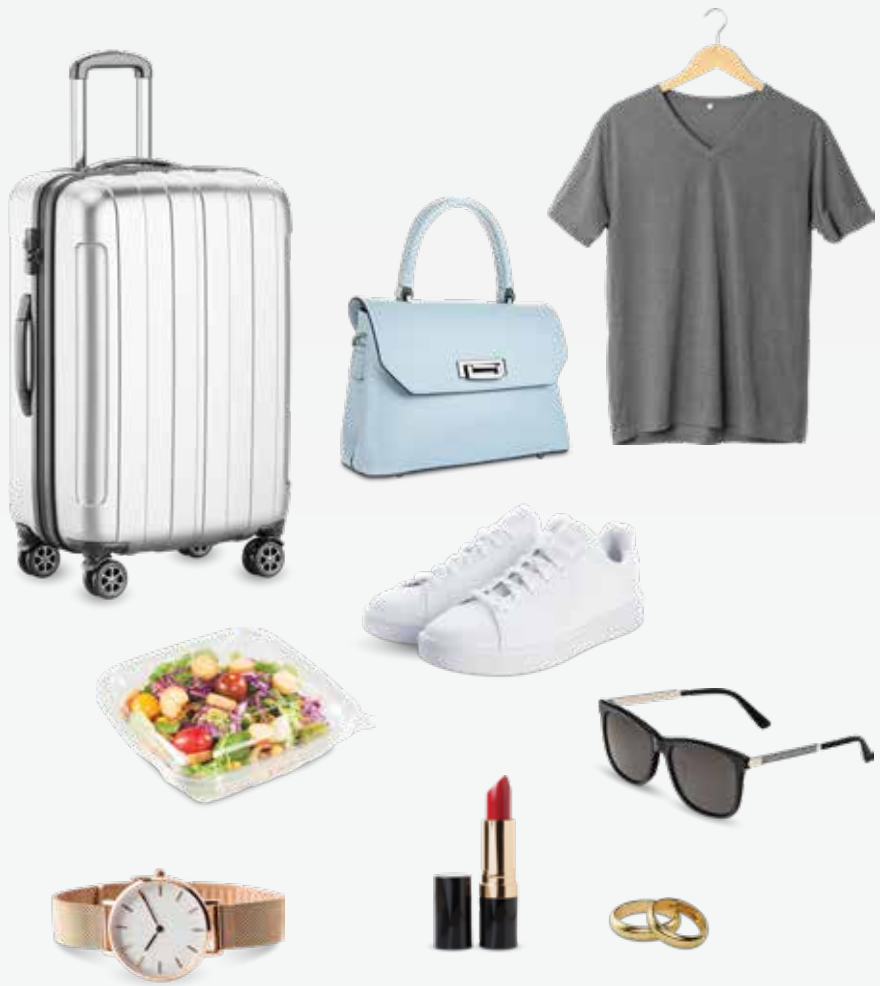


Tag | Track | Transform

It's Physics Not Magic



#SimplifyingRFID

“

i-TEK aims at building advanced technology solutions adding value to the lives of people and transform businesses, keeping in mind responsible social entrepreneurship. The essence of our technology solutions is to enhance operational efficiency, optimise cost and enrich customer experience.

”

Index

The Origin of RFID	02
RFID: It's Physics Not Magic	04
Sustainable RFID Solutions	06
RFID: The Physical World's Blockchain	08
Considerations Vital for RFID Adoption	10
About Us	12
Journey of Revolutionizing RFID	13
Valued Customers	15
Industry Verticals	
Retail	17
Use Cases in Retail	19
Manufacturing	22
Transportation & Logistics	24
Airline & Aerospace	26
Healthcare & Pharmaceutical	28
Banking & Finance	30
Agriculture	32
Success Stories	
Statue of Unity	34
FASTag	36
i-TEK E-Seal	38
India's Largest Retailer	40
India's Most Valued Retailer	42
Integrated Traffic Management System (ITMS)	44
Solutions & Systems	
i-TEK Tunnel: RFID Roller Conveyer System	46
i-TEK Shell: RFID Cabinet	48
i-TEK Pay: RFID PoS Terminal	50
i-TEK Write: RFID Tag Encoder	52
i-TEK Rftaar: RFID Search & Inventory Count	54
i-TEK Cycle Count: RFID Warehouse/DC Cycle Count	56
i-TEK Brand Protection: NFC Anti-Counterfiet	58
i-TEK Fitting Room: RFID Conversion Analytics	60
i-TEK Replenishment: Optimizing Stock Movement and Sales	62
i-TEK Stock Ageing: RFID based FIFO / LIFO	64
i-TEK Loss Prevention: RFID Theft Control	66
i-TEK Self-Checkout: RFID Frictionless Shopping	68
Strategic Alliance	69
i-TEK Vitthal Board: Radio Module Agnostic Reader	72
GarudaVigil: i-TEK Cloud Platform	
Introduction	74
RFID in Nation Building	80
Social Entrepreneurship	82
Approach	84
Our Founder	85



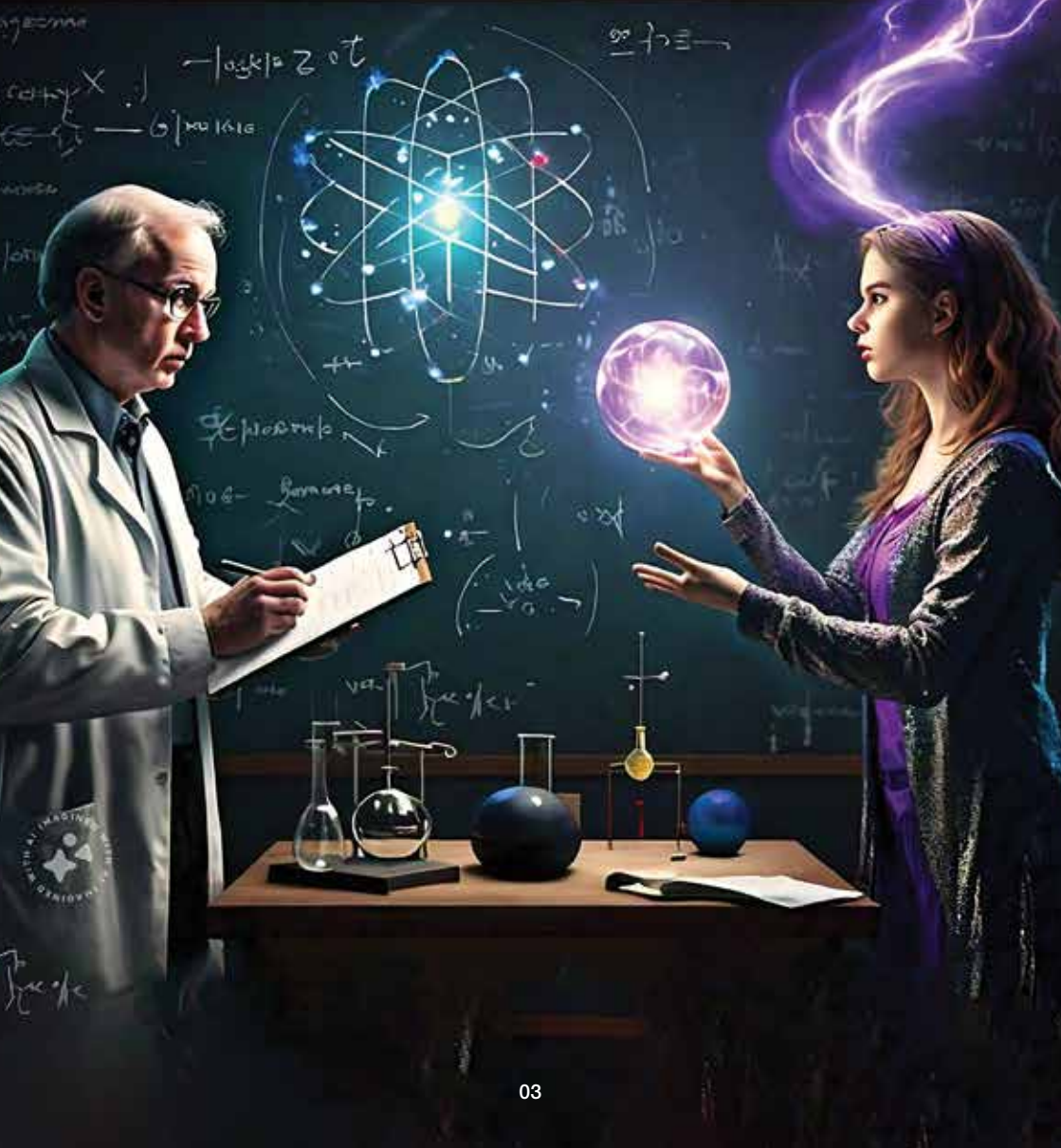
The Origin of RFID

RFID's origins can be traced back to a time of uncertainty and urgent innovation during World War II, when British and American forces needed a reliable way to distinguish friendly aircraft from enemy planes. This necessity led to the creation of an early identification system known as "Identify Friend or Foe" (IFF), which harnessed radio waves to confirm the identity of incoming aircraft. While rudimentary by today's standards, IFF laid the initial groundwork for the concepts that would eventually shape modern RFID technology.

Following the war, scientific interest in radio frequency technology continued to gain momentum. Throughout the 1940s and 1950s, researchers experimented with the ability to transmit information through radio waves without direct line-of-sight communication, creating a technical foundation that would soon evolve into RFID. By 1973, the first device resembling what we now consider an RFID system had been patented. This early innovation introduced a passive tag that could store and relay data when prompted by a reader's signal, paving the way for more sophisticated applications.

The commercial emergence of RFID in the 1980s marked a turning point as various industries began to recognize its potential. Unlike many singular inventions, RFID's advancement did not depend on one field alone. Instead, it drew on insights from radio communication, computer science, materials science, and engineering. Each discipline contributing to the incremental refinement of tags, readers, and data handling methods. RFID's journey was never a linear leap from concept to widespread use; rather, it was a steady, collaborative progression fueled by ingenuity, problem-solving, and the relentless pursuit of more efficient and transparent identification systems.

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RFID: It's Physics Not Magic

RFID technology, often seen as a marvel of modern innovation, is fundamentally grounded in the principles of physics. Far from mysticism, its operation relies on well-established scientific concepts that enable seamless communication and functionality. At its foundation, RFID technology operates through three key physical components:



Electromagnetic Induction

The reader's antenna generates a magnetic field that induces a current within the tag's coil, enabling the tag to become active and responsive.



Wave Propagation

Once energized, the tag uses the induced current to transmit radio waves back to the reader. The reader then interprets these signals to extract the encoded information.



Resonance

The tag's coil is tuned to a specific frequency so that it resonates when energized. This resonance amplifies the return signal, making it easier for the reader to detect and decode.

These physical principles are the foundation of RFID technology. It's not magic; it's science! Understanding the physics behind RFID is crucial for optimizing its performance, troubleshooting issues, and ensuring reliable operation in various environments. So, let's demystify RFID and appreciate the fascinating physics that makes it work! By emphasizing the physics behind RFID, we all should appreciate the technology's capabilities and limitations, as well as its potential applications and challenges.



Sustainable RFID Solutions

As RFID technology rapidly transforms various industries, its widespread implementation brings with it certain environmental considerations. A significant number of RFID tags eventually become e-waste, with millions ending up in landfills or incinerators annually. This accumulation poses serious environmental challenges that warrant careful attention.

The environmental impact of discarded RFID tags is substantial:

- ▶ Toxic chemicals and heavy metals released into the environment can contaminate soil and water sources
- ▶ Accumulating e-waste contributes to climate change and poses significant health concerns

Despite these challenges, practical strategies for reducing the environmental footprint of RFID are available. While our solutions are agnostic to tag form factors, we consistently explore the potential reuse of RFID tags when operationally feasible. Incorporating sustainable practices into RFID deployment can:

- ▶ Reduce procurement costs and extend the lifespan of each tag
- ▶ Strengthen brand reputation and foster trust among stakeholders
- ▶ Contribute to a more eco-friendly and responsible industry standard

At i-TEK RFID, we are committed to responsible innovation. Our approach emphasizes not only the effective deployment of RFID solutions but also the careful consideration of environmental consequences. By prioritizing sustainability and maintaining stringent “radio hygiene” in our conceptualizations, we aim to align technological advancement with ecological stewardship. The path forward requires a shared commitment to refining RFID practices and mitigating the long-term environmental impact of this transformative technology.



RFID: The Physical World's Blockchain

As we delve deeper into supply chain management and inventory tracking, two technologies emerge as catalysts for a new era in transparency and accountability: RFID and Blockchain. While Blockchain secures digital data in a decentralized, tamperproof ledger, RFID brings similar benefits to the physical realm.

Similarities between Blockchain and RFID:

- ▶ Decentralized and distributed infrastructures
- ▶ Immutable and tamperproof data records
- ▶ Real-time tracking and tracing capabilities

RFID tags provide unique identifiers for real-time tracking and monitoring in the supply chain, improving inventory accuracy, deterring counterfeiting, and enhancing visibility.

Integrating Blockchain and RFID:

- ▶ RFID tags, when linked with blockchain systems, produce an unalterable record of an item's lifecycle
- ▶ Blockchain ensures secure storage and management of all RFID-generated data
- ▶ Together, these technologies provide end-to-end solutions for logistics, retail, and warehousing, enabling a more efficient and transparent global supply chain

The integration of RFID and Blockchain bridges the digital and physical worlds, offering transparency and secure data storage. Together, they streamline operations, build trust, and transform supply chain management.



Considerations Vital for RFID Adoption

Before implementing RFID, it's crucial to evaluate key factors that impact success, cost-effectiveness, and sustainability. Addressing these considerations ensures seamless integration and long-term growth.

Identify Use Cases: Define the specific problems or challenges to address with RFID

Supplier and Partner Collaboration: Coordinate with partners for seamless operations

Cost Analysis: Assess total costs, including implementation and returns

Scalability: Ensure the solution adapts to future business growth

Tag Selection: Choose tags tailored to your application and environment

Regulatory Compliance: Comply with industry-specific regulations

Integration with Existing Systems: Ensure smooth compatibility with current infrastructure

Pilot Testing: Test on a small scale to identify and resolve issues

Data Management and Analysis: Plan for effective data capture, storage, and analysis

End-User Experience: Ensure benefits for users without added complexity

Training and Change Management: Prepare employees for operational changes with proper training

Maintenance and Support: Plan for regular maintenance and technical assistance



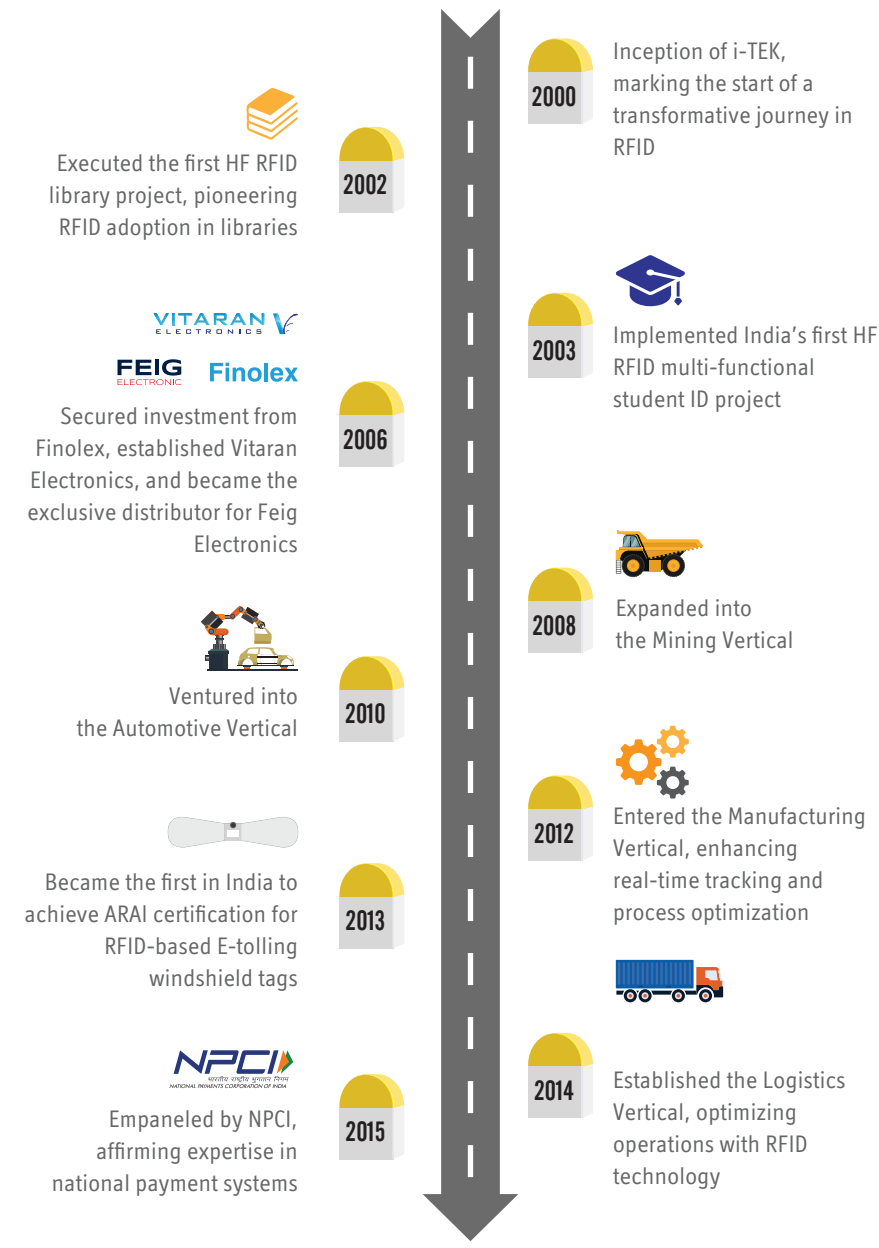
About Us

Infotek Software & Systems Pvt. Ltd. (i-TEK RFID) stands at the forefront of RFID and Wireless IoT solutions, drawing on over two decades of experience across a diverse range of industries. From Manufacturing, Travel & Transport, and Logistics to Retail, Mining, Oil & Gas, and Energy & Utilities, i-TEK has consistently delivered transformative solutions that adapt to the shifting demands of a rapidly evolving technological landscape. Our mission is to be changemakers, driving continuous innovation and refinement in IoT applications to tackle the complex challenges faced by modern enterprises.

In 2019, Tech Mahindra Ltd. (Tech M), a key entity of the USD 21 billion Mahindra Group, strategically invested in i-TEK, enhancing our ability to deliver scalable IoT solutions to American and European markets. Leveraging Tech Mahindra’s global reach, we aim to expand our impact, empowering businesses worldwide to unlock the potential of RFID and IoT technologies.

 25 years of consistent growth in RFID & IoT	 4+ billion objects RFID tagged & encoded	 4 million+ shipping containers handled using RFID seals
 100+ Ports/Depots equipped with RFID infrastructure	 45+ million vehicles enabled with RFID tolling FASTag	 4500+ Happy Customers

Journey of Revolutionizing RFID





Empaneled by CBIC,
Ministry of Finance,
for RFID-based
E-Seals, supporting
exporters

TECH
mahindra

Secured investment
from TechM, expanded
Retail verticals,
focusing on Fashion
and Lifestyle sectors



Established a UAE
enterprise to serve
EMEA (Europe, Middle
East, and Africa)
markets



Launched the
GarudaVigil, a
state-of-the-art Cloud
Platform

2017

2019

2022

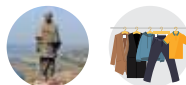
2024

2016



Launched Robustur Automation for
Entrance control system and
established the Retail Vertical

2018



Delivered RFID solution for the
Statue of Unity and implemented
item-level tagging for a leading
Indian retailer

2021



Ensured uninterrupted operations
and 24x7 support during COVID-19,
maintaining business continuity

2023



Deployed Supply Chain and
Inventory Solutions across
650+ cities in India

2025



25 years of
revolutionizing RFID,
Launch of i-TEK
Panchajanya

Valued Customers





Retail

In the Retail vertical, we guide businesses toward more efficient operations and superior customer experiences through our advanced RFID and IoT-driven solutions.



Fashion & Lifestyle



Art & Décor



Digital Electronics



Beauty & Cosmetics



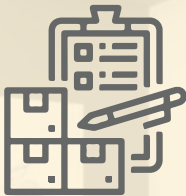
Jewellery



Our expertise in RFID technology empowers retailers to manage inventory with real-time precision, optimizing supply chains and reducing the risks of both stockouts and overstocking. Moreover, RFID-enabled solutions play a pivotal role in deterring theft and enhancing in-store security, thereby ensuring a seamless and secure shopping environment. By leveraging RFID systems, retailers gain unparalleled visibility over their products all the way from the manufacturing stage to the store shelf ultimately leading to greater transparency, accuracy, and overall efficiency in the supply chain.

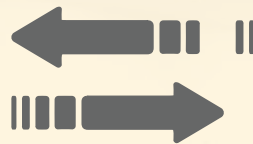


Use Cases in Retail



Accurate

DC Bin Level Inventory



Increased

Inbound-Outbound
Throughput



Faster

Physical Stock Count



Enriched

Up-Selling & Cross-Selling



Quick

Product Search



Precise

Stock Ageing



Innovative

Analytics



Real Time

Replenishment



Manufacturing

In manufacturing sector, our RFID solutions redefine operational efficiency and process visibility by providing real-time insights into Work-in-Progress (WIP). This ensures timely task completion and consistent quality standards, enabling managers to identify bottlenecks, optimize workflows, and make informed decisions to boost production throughput. RFID enabled solutions streamline tool and equipment management by quickly locating critical assets, reducing downtime, and ensuring operational readiness. It also automates inventory control, minimizing errors and supporting just-in-time production to maintain optimal stock levels while avoiding shortages and overstocking.

Key Applications:

- ▶ **Work-in-Progress (WIP) Tracking:** Real-time monitoring ensures timely production and adherence to quality standards
- ▶ **Tool and Equipment Management:** Efficient tracking minimizes downtime and boosts asset availability
- ▶ **Inventory Control:** Automated systems reduce labour, eliminate errors, and optimize stock management





Transportation & Logistics

In Transportation & Logistics, our RFID solutions elevate operational transparency and efficiency by enabling real-time Fleet and cargo tracking. Companies can ensure on-time deliveries, optimize routes, and monitor goods in transit to reduce damage or loss. RFID systems streamline toll collection, enhance supply chain visibility, improve cargo security, and automate inventory management, driving consistent and efficient logistics operations.

Adopting our RFID solutions enhances customer satisfaction with timely deliveries and efficient resource use. These systems ensure compliance, provide data-driven insights, and support cost reduction and future-ready operations.

Key Applications:

- ▶ **Fleet Management:** Real-time tracking for optimized logistics
- ▶ **Cargo Monitoring:** Enhanced reliability through location and condition tracking
- ▶ **Automated Tolling:** Streamlined toll operations for reduced delays



Key Applications:

- ▶ **Baggage Handling:** Improves tracking accuracy, minimizes misplaced bags, and enhances passenger experience with real-time updates and automation
- ▶ **Asset Tracking:** Streamlines management of tools, parts, and equipment for aircraft maintenance and assembly
- ▶ **Maintenance Management:** Facilitates scheduling and recording of maintenance activities, ensuring regulatory compliance
- ▶ **Supply Chain Optimization:** Boosts traceability and efficient management of aircraft components



Airline & Aerospace

In the Aerospace sector, RFID technology ensures stringent regulatory compliance and elevates the operational efficiency. By enabling real-time asset tracking, it allows precise management of tools, parts, and equipment throughout aircraft maintenance and assembly, resulting in smoother processes and more dependable oversight.

Beyond asset tracking, RFID solutions streamline maintenance management, scheduling, and documentation, ensuring that every procedure adheres to rigorous industry standards. At the same time, they optimize supply chain operations by offering unparalleled traceability and control over aircraft components—factors that significantly improve quality and accountability.

By implementing our RFID solutions, aerospace organizations can increase productivity, reduce downtime, and gain valuable data-driven insights. These benefits, in turn, lead to enhanced aircraft reliability, improved performance, and a stronger foundation for future growth and innovation.





Healthcare & Pharmaceutical

In the Healthcare & Pharmaceutical domain, RFID technology is transforming the healthcare and pharmaceutical industries, offering innovative solutions that enhance patient care, operational efficiency, and safety. RFID-enabled wristbands streamline patient tracking, ensuring accurate identification and the administration of correct treatments and medications. This minimizes errors and improves the overall standard of care. In hospitals, RFID enables real-time tracking of critical medical equipment, ensuring availability and reducing downtime. Additionally, in the pharmaceutical supply chain, RFID ensures end-to-end traceability of medications, curtailing counterfeits, ensuring proper handling, and maintaining compliance.

Key Applications:

- ▶ **Patient Tracking:** RFID wristbands monitor patient movements and support accurate treatment and medication administration
- ▶ **Asset Tracking:** Hospitals track high-value medical equipment with RFID, ensuring efficient utilization and availability
- ▶ **Pharmaceuticals:** RFID tags provide traceability from production to administration, reducing counterfeiting and ensuring safe handling



Key Applications:

- ▶ **Secure Document Tracking:** Maintains oversight of sensitive files like checks and loan documents
- ▶ **Cash Management:** Enhances currency transport with RFID-enabled cash bags and boxes
- ▶ **Asset Tracking:** Provides visibility into IT equipment and other assets
- ▶ **Vault Management:** Tracks valuable items stored in secure vaults
- ▶ **Customer Identification:** Facilitates secure authentication through RFID cards and tokens



Banking & Finance

In a sector where precision, security, and efficiency are paramount, RFID technology offers innovative solutions to address long-standing challenges. From tracking sensitive documents like checks and loans to managing cash securely, RFID ensures operational reliability while enhancing compliance. RFID-enabled cash boxes and bags improve the safety of currency transport, while real-time asset tracking optimizes inventory management for IT equipment and other resources.

Vaults equipped with RFID provide accurate oversight of valuable items, and customer interactions are elevated through secure contactless payments and identity verification with RFID-enabled cards or tokens. These applications streamline operations and reduce manual errors, supporting regulatory compliance and delivering an improved customer experience.

RFID streamlines banking operations by enhancing security and automating processes like document management and cash handling. It generates insights to analyze trends, optimize resources, and deliver personalized services, building a foundation for future-ready growth.





Agriculture

In agriculture, where efficiency and sustainability are vital, RFID technology provides innovative tools to address critical challenges. From tracking livestock health and movement to optimizing crop yields, RFID enhances every stage of the agricultural process. RFID tags enable precise monitoring of livestock, ensuring timely vaccinations and improving overall welfare. For crops, RFID sensors monitor soil conditions, crop health, and irrigation systems, supporting data-driven decisions that boost productivity. RFID also ensures food safety and compliance by enabling supply chain traceability, empowering farmers and agribusinesses to operate efficiently, reduce costs, and adopt sustainable practices.

Key Applications:

- ▶ **Livestock Management:** Tracks and monitors livestock health, movement, and vaccinations
- ▶ **Crop Management:** Monitors soil, crop health, and irrigation for better yield and resource utilization
- ▶ **Supply Chain Traceability:** Ensures end-to-end traceability of products, enhancing food safety and compliance





Statue of Unity

The Statue of Unity, standing at an awe-inspiring height of 182 meters (approximately 600 feet), is a monumental tribute to Sardar Vallabhbhai Patel, the visionary architect of independent India. Towering over the serene Narmada River, this colossal structure symbolizes the enduring spirit of unity and progress. Dedicated to Patel's legacy, the statue was conceived as a gift from the people of Gujarat to honour the leader who prioritized the welfare of the nation.

Renowned as the tallest statue in the world, the Statue of Unity is a marvel of innovative construction techniques, and RFID technology played a pivotal role in its realization. The statue comprises 12,000 intricately crafted bronze panels, each RFID-tagged at the source. These tags enabled real-time tracking of the panels across every stage of the supply chain—from manufacturing and transportation to storage at the laydown area and final assembly on-site. This meticulous process ensured unparalleled precision and accountability at every step.

The application of RFID technology extended beyond construction. Today, these tags continue to facilitate efficient Operations and Maintenance (O&M), allowing for quick identification and servicing of individual panels when required. This combination of advanced tracking and monitoring capabilities has set a new benchmark for using RFID in large-scale infrastructure projects.

Key Applications:

- ▶ **Material:** Made from 12,000 bronze panels, each RFID-tagged for seamless tracking
- ▶ **Technology:** Real-time monitoring of panels from manufacturing to installation and ongoing maintenance
- ▶ **Impact:** RFID ensured precision, transparency, and efficiency during construction and continues to aid maintenance efforts



Monthly
Transaction
Count

395
Million

16%
YoY Growth

Monthly
Transaction
Amount (₹)

6940
Crore

19%
YoY Growth

Avg. Daily
Transaction
Count

12.96
Million

Avg. Daily
Transaction
Amount (₹)

228
Crore

FASTag

The implementation of NETC FASTag has revolutionized toll collection in India, significantly advancing the nation's digital payment ecosystem. With over 80 million FASTags issued to date, the program has played a pivotal role in shifting from cash-based toll transactions to seamless, cashless payments, aligning with the government's vision of creating a less-cash economy.

FASTag has brought about numerous benefits:

- ▶ **Promoting Digital Payments:** Encouraging millions of users to adopt digital payment modes, reducing dependency on cash
- ▶ **Enhanced Revenue Assurance:** Eliminating cash transactions at toll plazas minimizes cash leaks and ensures accurate revenue collection for toll operators
- ▶ **Efficient Highway Travel:** Reducing wait times and congestion at toll booths has improved the overall efficiency of highway travel, saving time and fuel for commuters

As the leading provider of FASTag solutions, we take immense pride in our contribution to this transformative initiative.





i-TEK E-Seal

The Indian government identified the need for a more efficient and secure system to replace conventional mechanical bolt seals used in container stuffing by exporters. In response, i-TEK proposed the use of RFID-based E-Seals, a revolutionary solution that has streamlined export container processes and bolstered India's economic growth.

Deployed across more than 100 ports and depots, i-TEK's E-Seals enable customs officers to quickly verify the integrity of containers. The RFID system allows seamless scanning of the seals—any signs of tampering trigger an inspection, while intact seals result in an automatic "let go" order. This innovative approach has drastically reduced delays, enhanced security, and brought greater transparency to the export process. Additionally, real-time tracking and monitoring of containers improve overall management efficiency.

As India's first manufacturer of E-Seals, i-TEK ensures the highest quality standards. Certified by Daton Brown USA and SGS India for ISO 17712:2013, these seals underscore i-TEK's dedication to delivering reliable and industry-compliant solutions for the logistics sector.





India's Largest Retailer

Introduction:

We implemented our RFID solutions for India's largest retailer, managing over 2 billion apparels annually across 3,000+ stores and 10+ distribution centres. Using reusable dual RFID tags for apparel and labels for accessories, the solution streamlines inventory tracking, reduces errors, and optimizes the supply chain.

i-TEK's Role:

- ▶ Supply of tags
- ▶ Supply of hardware including tunnels, cabinets, mobile terminal, checkout scanners
- ▶ Design and development of cloud based application software (on-premises)
- ▶ Solution deployment including hardware
- ▶ Installation & maintenance



Average Selling Cost of Product - **\$7**



Engagement with Customer - **6+ years**



Tagging at Source
More than 1000 merchandise vendors empanelled



Bulk Encoding at DC -
Using RFID Tunnels at time of GRN



DC Inbound / Outbound
HU Level Scanning



Stock Movement
FOH - BOH: Using Cabinets



Physical Stock Count
Daily Stock Verification



Omnichannel Fulfilment & Product Search - **Direction based search**



RFID Self & Assisted Checkout - **Scanners with Detachers**



Replenishment - **Auto & Dynamic**



Software Integration with
WMS, SAP & PoS



India's Most Valued Retailer

Introduction:

Our RFID solutions have optimized operations for India's most valued retailer, managing over 900 million apparels annually across 800+ stores and 7+ distribution centres. The system utilizes labels and hang tags to ensure precise tracking and efficient inventory management.

i-TEK's Role:

- ▶ Supply of hardware including tunnels, cabinets, mobile terminal, checkout scanners
- ▶ Design and development of cloud based application software (on-premises)
- ▶ Solution deployment including hardware
- ▶ Installation & maintenance



Average Selling Cost
of Product - **\$4**



Engagement with
Customer - **2+ years**



Cycle Count in DC
**From 200 days to
10 days**



Outbound at Manufacturer
**Using RFID Tunnels at
time of Dispatch**



DC / Store Inbound /
Outbound **HU Level
Scanning All night
shifts stopped**



Stock Movement
FOH - BOH: Using Cabinets



Physical Stock Count
Daily Stock Verification



Omnichannel Fulfilment &
Product Search -
Direction based search



RFID Self & Assisted
Checkout - **Scanners
with Detachers**



Replenishment - **Auto
& Dynamic**



Software Integration with
WMS, SAP & PoS



Integrated Traffic Management System (ITMS)

Efficient traffic management is crucial for industries handling high vehicle volumes, such as refineries, mines, and manufacturing facilities. i-TEK's Integrated Traffic Management System (ITMS) combines RFID technology with unmanned weighbridge solutions to optimize operations and enhance logistics efficiency.

The system provides real-time monitoring of Turn Around Time (TAT), ensuring smooth vehicle flow, better resource utilization, and preventing process bypasses to strengthen compliance and security. Through a cloud-based application, security personnel gain full visibility of vehicle movements across checkpoints, while seamless ERP integration enables synchronized data sharing and informed decision-making. By reducing congestion and wait times, ITMS boosts supply chain efficiency and lowers logistics costs.

Key Benefits:

- ▶ Real-Time Monitoring
- ▶ Cloud-Based Oversight
- ▶ Enhanced Compliance
- ▶ ERP Integration for Cost Efficiency



Key Features and Benefits

- ▶ **Rugged Industrial Design:** Built for durability in demanding environments
- ▶ **Customizable Dimensions:** Tailored to specific operational requirements
- ▶ **RFID Leakage Resistant:** Prevents interference for accurate readings
- ▶ **Fast Scanning Speed:** Scans up to 200–300 handling units per hour
- ▶ **User-Friendly Interface:** Interactive design for ease of use
- ▶ **100% Designed and Manufactured by i-TEK:** Ensuring quality and reliability



i-TEK Tunnel:

RFID Roller Conveyor System

The i-TEK Tunnel is an enclosed RFID scanning system designed for high-speed, accurate inventory management. It automatically identifies and tracks RFID-tagged objects, using pneumatic curtains to prevent radio leakage. Fully designed and manufactured by i-TEK, the customizable system handles various carton, box, pallet, and handling unit sizes, reducing labor costs and enhancing efficiency across industries.

While serving diverse sectors, it tracks merchandise in retail warehouses, automates raw material and product tracking in manufacturing, and streamlines logistics processes. In pharmaceuticals, it ensures compliance and monitoring, enhances luggage tracking in airports, and secures sensitive equipment and documents in government and defense operations.

Functional Capabilities:

- ▶ Bulk Encoding/Decoding
- ▶ Rejection/Acceptance Rules
- ▶ Inbound/Outbound Movements



Key Features and Benefits

- ▶ **Rugged Industrial Design:** Built for durability in demanding environments
- ▶ **Customizable Dimensions:** Tailored to specific operational needs
- ▶ **RFID Leakage Resistant:** Prevents interference and ensures accurate scanning
- ▶ **Fast and Accurate Scanning:** Processes up to 100 RFID tags in less than 2 seconds
- ▶ **Portable and Battery-Powered:** Easy to move and operate in diverse settings
- ▶ **100% i-TEK Manufactured:** Ensures quality and reliability



i-TEK Shell: RFID Cabinet

The i-TEK Shell is a robust metallic cabinet designed for bulk scanning and encoding of RFID-tagged objects. Fully designed and manufactured by i-TEK, the cabinet is customizable to handle various sizes of cartons, boxes, pallets, and other handling units. Its radio leakage-resistant structure prevents the scanning of stray tags, ensuring precise operations. Equipped with wheels, the Shell is portable and mobile, making it ideal for dynamic environments like warehouses and stores.

i-TEK Shell serves a variety of sectors with its versatile functionality. In hospital pharmacies, it ensures secure storage and precise tracking of medications. Retail jewellery stores rely on it to safeguard high-value items while maintaining accurate inventory management. Manufacturing facilities use it to efficiently track tools and materials, streamlining operations. Additionally, government agencies benefit from its secure storage capabilities for classified documents, ensuring safety and accountability.

Functional Capabilities:

- ▶ Bulk Encoding/Decoding
- ▶ Inbound/Outbound Movements
- ▶ Cycle Counts
- ▶ Secure Storage



Key Features and Benefits:

- ▶ Reduces transaction times by up to 25%
- ▶ Combines hard tag detachment and product identification for faster checkouts
- ▶ Automatically integrates with most software applications, ensuring ease of use

i-TEK Pay redefines retail efficiency by seamlessly integrating cutting-edge RFID technology with existing systems. Its user-friendly design ensures minimal training requirements, while its robust performance enhances customer satisfaction and streamlines checkout experiences. With i-TEK Pay, businesses can elevate their operational workflows and set a new standard in frictionless payment and inventory management.



i-TEK Pay: RFID PoS Terminal

The i-TEK Pay is an advanced RFID desktop reader designed to streamline payment processing and inventory management. This plug-and-play device connects via USB, reducing transaction times by up to 25% without requiring software integration. Ideal for retail and inventory-intensive industries, it combines hard tag detachment with product identification to enhance checkout efficiency. Its confined reading area ensures secure transactions, while automatic integration minimizes setup and training efforts. Simplified installation and monitoring further reduce the need for extensive technical support.

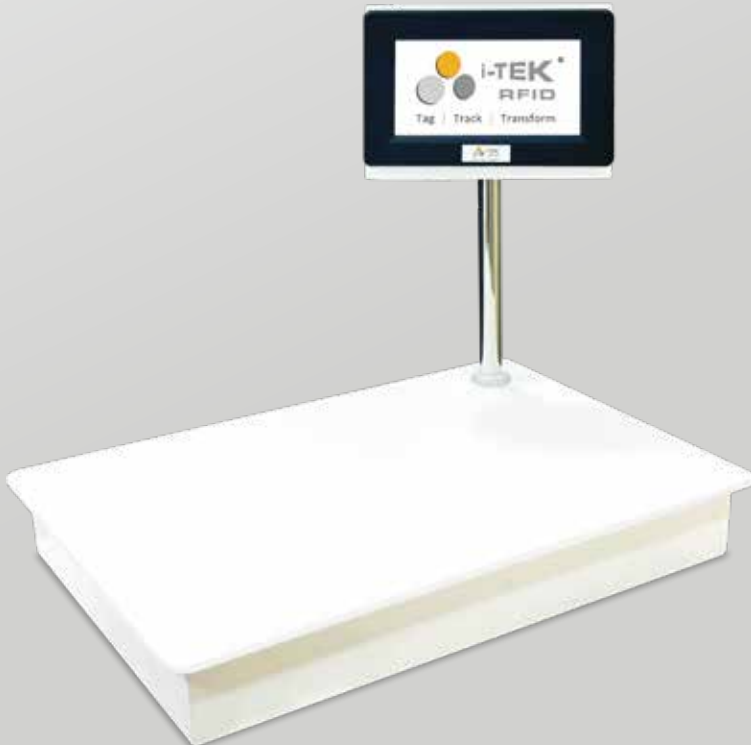
Functional Capabilities:

- ▶ **RFID Tag Management:** Reads, writes, and detaches tags efficiently
- ▶ **Plug-and-Play:** Quick setup without additional software requirements
- ▶ **Confined Reading Area:** Ensures secure transactions by preventing unauthorized tag reads
- ▶ **Fast Transactions:** Reduces processing time by up to 25%



Key Features and Benefits:

- ▶ **Flexible Operation:** Supports stand-alone offline mode and cloud-connected online mode
- ▶ **Efficient Encoding:** Programs RFID tags one by one, reducing errors and increasing productivity
- ▶ **Barcode Integration:** Links barcode data with EPC memory for precise serialization
- ▶ **Rapid Encoding:** Accelerates production lines and inventory management processes
- ▶ **Plug-and-Play Simplicity:** Quick installation and easy-to-use interface
- ▶ **Enhanced Supply Chain Visibility:** Optimizes RFID tag management for better inventory tracking



i-TEK Write: RFID Tag Encoder

i-TEK Write is a versatile desktop RFID tag programming and encoding device designed to streamline production, testing, and inventory management processes. Operating in both stand-alone offline mode and online mode, it offers flexibility to suit various operational needs. Available with or without a display, i-TEK Write caters to a wide range of use cases in factories, distribution centers, and retail stores.

This advanced device programs EPC (Electronic Product Code) and user memory of RFID tags efficiently, often used at the end of production or testing lines. Visual and acoustic indicators provide instant success or failure feedback, ensuring seamless encoding. An integrated barcode scanner supports EPC memory programming with barcode data, accommodating SGTIN, GID, and proprietary serialization protocols. Compatible with both hard and soft tags, i-TEK Write ensures effortless integration into existing systems.

With its robust design and intuitive functionality, i-TEK Write not only enhances operational efficiency but also reduces the risk of errors in RFID tag encoding. Its ability to handle diverse serialization protocols and integrate seamlessly with existing workflows makes it an essential tool for industries looking to optimize their production and inventory processes. Whether used for managing inventory in retail, tracking components in manufacturing, or expediting logistics in distribution centers, i-TEK Write delivers precision and reliability at every stage.

Functional Capabilities of i-TEK Write:

- ▶ **RFID Tag Encoding:** Programs EPC and user memory efficiently
- ▶ **Dual Operation Modes:** Supports stand-alone offline and cloud-connected online modes
- ▶ **Barcode Integration:** Encodes RFID tags with barcode data for precise serialization
- ▶ **Real-Time Feedback:** Visual and acoustic indicators provide success/failure notifications
- ▶ **Compatibility:** Works seamlessly with both hard and soft tags



i-TEK RFtaar:

RFID Search & Inventory Count

i-TEK RFtaar is an innovative solution for inventory counting and search, delivering unmatched efficiency and precision. Using advanced handheld devices, it scans 500–1000 unique tags per minute, enabling real-time inventory updates while eliminating manual errors. This ensures optimal stock levels, preventing overstocking or understocking, and enhancing supply chain efficiency. Its exclusive Geiger Search feature offers directional guidance for pinpointing tagged items, resolving discrepancies quickly. By integrating advanced analytics, RFtaar improves supply chain responsiveness, optimizes labor costs, and drives operational excellence.

Key Features and Benefits:

- ▶ Enhanced Inventory Accuracy
- ▶ Reduced Manual Errors
- ▶ Real-Time Visibility
- ▶ Geiger Search Functionality
- ▶ Operational Optimization
- ▶ Time Efficient





i-TEK Cycle Count:

RFID Warehouse/DC Cycle Count

Effective inventory management is critical to the success of warehouse and distribution center operations, and inventory cycle counts play a pivotal role in maintaining accuracy and efficiency. Traditional manual scanning and counting methods are time-consuming and error-prone, often limiting cycle counts to just once a year. i-TEK's RFID platform transforms this process, enabling faster, more accurate cycle counts while reducing operational inefficiencies.

With i-TEK Shell, users can scan entire bins or RFID-tagged objects within them, eliminating the need for manual counting. This advanced technology ensures bin-level accuracy, accelerating cycle count speed and improving inventory tracking. Enhanced accuracy directly benefits picking operations, replenishment processes, and overall supply chain efficiency.

i-TEK's innovative solution has helped customers transition from annual cycle counts to more frequent quarterly counts, delivering significant improvements in operational accuracy and responsiveness. By adopting i-TEK Cycle Count, warehouses can streamline inventory management, reduce errors, and optimize their supply chain processes.



Speed and Efficiency

Quick Scans Bulk Reading



Labor Savings

Reduced Manual Labor



Increased Accuracy

Automated Data Capture
Continuous Tracking



Improved Stock Management

Real-Time Visibility
Location Accuracy



Enhanced Operational Efficiency

Automated Alerts Integration with Other Systems



i-TEK Brand Protection:

NFC Anti-Counterfeit

In today's competitive market, ensuring brand protection and fostering consumer engagements are essential for farm product companies. NFC (Near Field Communication) technology provides an innovative approach to address these needs. By tagging products like bottles of Ghee with NFC tags, companies can authenticate products, deliver valuable information, and create a unique and interactive consumer experience.

NFC Anti-Counterfeit solutions offer robust authentication with unique serial numbers to prevent counterfeiting and ensure product authenticity. Real-time supply chain tracking enhances transparency and minimizes tampering risks. Additionally, NFC tags provide consumers with personalized experiences through recipes, nutritional facts, brand stories, and detailed product information, including allergens and storage guidelines. By offering cooking tips and loyalty rewards, these solutions boost customer trust, product value, and retention.



Key Features and Benefits:

- ▶ Real-Time Data Collection
- ▶ Consumer Behaviour Insights
- ▶ Purchase Correlation Analytics
- ▶ Inventory Optimization
- ▶ Fitting Room Occupancy Analytics
- ▶ Enhanced Customer Experience



i-TEK Fitting Room: RFID Conversion Analytics

In today's competitive retail environment, online platforms excel at capturing consumer behaviour insights, enabling tailored offerings and optimized sales. However, traditional brick-and-mortar stores have often struggled to gather similar data, relying on anecdotal evidence and manual methods. i-TEK's innovative Fitting Room solution bridges this gap, transforming how retailers understand and engage with their customers.

Our RFID-based Fitting Room solution provides real-time analytics by tracking garments tried on by customers and correlating them with actual purchases. This powerful insight into consumer preferences, interests, and buying trends allows retailers to make data-driven decisions about inventory optimization, product placement, and purchasing strategies. By tailoring offerings to customer preferences, retailers can significantly enhance customer satisfaction and foster loyalty. Additionally, the solution offers occupancy analytics for fitting rooms, helping optimize store layout, staffing, and operations for a seamless shopping experience.

The system operates effortlessly: RFID tags are attached to garments, fitting rooms are equipped with RFID readers, and data is captured in real-time. The insights generated by i-TEK's advanced analytics platform empower retailers to identify what drives sales, streamline operations, and elevate customer satisfaction.

With i-TEK's Fitting Room solution, retailers unlock the full potential of their stores, combining cutting-edge technology with actionable insights to redefine the in-store experience. As a trusted leader in RFID solutions, i-TEK remains dedicated to enabling retail success through innovation, expertise, and an unwavering commitment to customer satisfaction.



i-TEK Replenishment: Optimizing Stock Movement and Sales

The benefits of RFID-based replenishment are transformative, offering retailers unmatched efficiency and accuracy in inventory management. By leveraging RFID technology, inventory accuracy can soar to 99%, virtually eliminating errors and discrepancies. Stockouts are reduced by up to 50%, ensuring products are consistently available to meet customer demand, while shelf availability improves to an impressive 95%, significantly decreasing the risk of lost sales due to out-of-stock situations.

Beyond operational accuracy, RFID-based replenishment directly impacts inventory costs. Optimized stock levels and reduced waste result in cost savings of up to 20%. This combination of improved accuracy, lower stockouts, and cost efficiency creates a powerful framework for retail success. With real-time data and automated tracking, retailers can monitor inventory movements, predict trends, and respond promptly to changing demand patterns, ensuring timely replenishment that aligns with customer expectations. RFID also enhances store-level operations by enabling smarter shelf stocking and backroom management. Employees can focus on customer engagement and sales rather than manual stock checks, improving overall productivity. The streamlined replenishment process ensures that high-demand items are prioritized, while slow-moving products are appropriately managed, reducing overstock issues.

i-TEK's replenishment solutions empower retailers with advanced analytics, real-time insights, and automated alerts to optimize inventory and enhance profitability. By aligning inventory strategies with market trends, retailers can remain competitive and drive growth. Partnering with i-TEK provides innovative RFID technology and expert support, enabling cost reduction, improved customer experiences, and a strong foundation for long-term success in the evolving retail landscape.



i-TEK Stock Ageing:

RFID based FIFO / LIFO

Efficient stock ageing management is critical for reducing waste and minimizing costs, and RFID technology provides an advanced solution to address these challenges. By enabling real-time inventory tracking, RFID allows businesses to monitor expiration dates, automate stock rotation, and manage replenishment seamlessly. This ensures that products are sold or utilized before they expire or become obsolete, supporting FIFO (First In, First Out) and LIFO (Last In, First Out) inventory strategies with precision.

For perishable items, RFID enhances operational efficiency by tracking expiration dates, sending automated alerts, monitoring temperature conditions, and providing real-time updates to ensure freshness and safety. In industries like electronics, RFID facilitates warranty management, product authentication, service history tracking, and recall management. This improves customer satisfaction, reduces product returns, and minimizes warranty-related costs while maintaining compliance with regulatory standards.

Beyond tracking and rotation, RFID supports advanced inventory management by enforcing business rules such as lot tracking, serial number monitoring, and product recall processes. With real-time visibility into stock levels and automated alerts, businesses can make informed decisions, reduce overstocking and understocking, and streamline supply chain operations.

Key Benefits:

- ▶ Real-Time Tracking
- ▶ Enhanced FIFO/LIFO Management
- ▶ Advanced Monitoring
- ▶ Automation and Alerts
- ▶ Cost Reduction
- ▶ Customer Satisfaction



i-TEK Loss Prevention:

RFID Theft Control

While RFID technology was not originally developed for anti-theft purposes, it has become a valuable tool for deterring theft and enhancing loss prevention strategies. By using overhead antennas, portals, or Floor antennas, RFID systems can detect unauthorized movements of RFID-tagged objects. However, understanding the technology's limitations is crucial, particularly those governed by the laws of physics. For instance, the human body can absorb or scatter RFID signals, reducing the accuracy of detection when tagged items are carried, posing challenges to its reliability.

The effectiveness of RFID systems can also be compromised if tags are not securely attached or are subject to damage, removal, or obstruction. Such vulnerabilities highlight the importance of a robust implementation strategy that considers potential weaknesses. Addressing issues such as false negatives and ensuring system integrity are essential steps toward creating a dependable loss prevention system.

Enhancing RFID's effectiveness involves integrating it with video surveillance, alarm systems, and access control. Regular audits, system maintenance, and staff training are critical for optimal performance, creating a robust security framework that mitigates risks and improves reliability.

An Integrated Approach to Security

Partnering with i-TEK offers tailored RFID solutions for effective loss prevention. With deep expertise in RFID technology, i-TEK delivers customized strategies to address specific challenges, ensuring reliable, scalable, and efficient systems that enhance security and operational resilience.



i-TEK Self-Checkout:

RFID Frictionless Shopping

Long checkout lines remain a persistent challenge for retailers, leading to customer dissatisfaction and potential loss of sales. RFID self-checkout systems have emerged as a transformative solution for creating seamless shopping experiences. While the technology is gaining traction, widespread customer adoption has been gradual, requiring thoughtful implementation to address this transition effectively.

i-TEK's approach focuses on practicality and integration, transforming existing checkout furniture into RFID-enabled scanning stations. This eliminates the need for expensive renovations and ensures compatibility with existing POS systems. The system accurately scans RFID tags within designated areas while minimizing stray tag readings, ensuring a streamlined and efficient checkout process.

The benefits of RFID self-checkout extend beyond convenience. Customers experience reduced wait times and enhanced satisfaction, while retailers benefit from operational efficiencies, improved inventory accuracy, and access to real-time analytics for better decision-making. These insights allow retailers to refine inventory management and tailor offerings to customer preferences.

Moving Toward Seamless Retail Experiences

To encourage customer adoption, a user-friendly design is essential. Systems must be intuitive and reliable, making the transition to frictionless shopping as smooth as possible. By focusing on ease of use, RFID self-checkout solutions can foster greater customer acceptance while transforming the retail experience. i-TEK's emphasis on simplicity and functionality ensures that retailers can enhance operations without compromising the shopping experience.

Strategic Alliance



i-TEK has forged a strategic alliance with world-renowned brand Elo Touchscreen, marking a significant milestone in our journey, paving the way for unprecedented growth and innovation across the India Subcontinent.

50+

Years in Touchscreen

30+

Million Installations

400+

Global Patents

80+

Countries Worldwide

1200+

Total Workforce

ONE

Mission

The Elo touchscreen experience has consistently stood for quality, reliability and innovation with over 30+ million installations worldwide.

Elo Touchscreen is a global leader dedicated solely to touch technology. With over 50 years of innovation, having invented the touchscreen itself, Elo continues to shape the way the world interacts with digital interfaces. Remarkably, a new Elo touchscreen is installed every 21 seconds worldwide.

Their diverse product lineup spans interactive displays from 7 to 65 inches, all-in-one touchscreen computers, OEM solutions, and monitors, widely deployed across industries including gaming, kiosks, hospitality, point-of-sale, wayfinding, retail, and transportation.

Despite their global presence, Elo remains committed to personalized support, operating on the belief that "there is nothing more important than their customers." Their mission is to help businesses operate smarter and faster, building partnerships that last a lifetime.

The widest portfolio of interactive technology.
Elo maintains leadership with continuous innovation and evolution.



Elo commercial grade products are purpose built
and hardened for tough environments.



Elo is everywhere

About:

The i-TEK Vitthal Board is an advanced and cost-effective alternative to traditional RFID readers, designed with flexibility and robustness to meet the diverse needs of modern industries. This innovative solution is compatible with multiple RFID modules from leading manufacturers, making it an adaptable choice for manufacturing, logistics, and retail RFID applications. As a 100% Made-in-India product, the Vitthal Board ensures reliability, performance, and seamless integration into existing IT ecosystems.

Key Features:

- ▶ **Module Compatibility:** Integrates seamlessly with RFID modules from leading manufacturers
- ▶ **Cost-Effectiveness:** Delivers high performance at an affordable cost
- ▶ **Robust Design:** Ensures reliable operation in diverse industrial environments
- ▶ **Versatile Applications:** Perfect for manufacturing, logistics, and retail operations



i-TEK Vitthal Board:

Radio Module Agnostic Reader

Key Technical Specifications:

- ▶ **CPU:** Octa-Core Cortex A53 64-bit architecture, ensuring high-speed processing
- ▶ **Operating System:** Android 10, offering a familiar and developer-friendly environment
- ▶ **Network Support:** Comprehensive connectivity, including TDD-LTE, FDD-LTE, WCDMA, EVDO, CDMA, GSM, and GNSS (GPS/BeiDou/GLONASS/Galileo)
- ▶ **Connectivity:** Dual-band Wi-Fi (IEEE 802.11b/g/n/ac) and Bluetooth 4.2 for reliable communication
- ▶ **Interfaces:**
 - Gigabit Ethernet via USB with RJ45 for high-speed wired connections
 - Dual USB 3.0 connectors and USB OTG for flexible data transfer
 - Micro-HDMI for 1080p video output and RS232 debug console for diagnostics
 - HID USB port for Human Interface Device compatibility
- ▶ **Storage:**
 - Supports up to 64GB eMMC and 4GB LPDDR3 DRAM
 - SD Card support (SD 3.0, 4-bit SDIO)
- ▶ **I/O Features:**
 - 16 GPIOs (3.3V I/O) on IDC connector
 - Optically isolated 4 GPI (General Purpose Input) and 4 GPO (General Purpose Output)
- ▶ **Audio and Indications:**
 - 2.5W audio amplifier with speaker support
 - Multi-color LED indicators and on-board buzzer for alerts and notifications
- ▶ **Antenna Support:** External GPS, LTE, and WLAN antennas for enhanced signal strength

Power and Durability:

- ▶ **Power Supply:** Powered via PoE (Power over Ethernet) supporting IEEE 802.3af and IEEE 802.3at standards or 12V DC adapter (2A)
- ▶ **Thermal Performance:** Operates in temperatures ranging from -20°C to +60°C, with storage capability from -40°C to +85°C



GarudaVigil®

GarudaVigil: i-TEK Cloud Platform

Derived from Sanskrit, the name GarudaVigil symbolizes the majestic eagle (Garuda) known for its sharp vigilance and protective instincts, paired with "Vigil," representing constant watchfulness. This name reflects the platform's commitment to precision, security, and responsiveness.

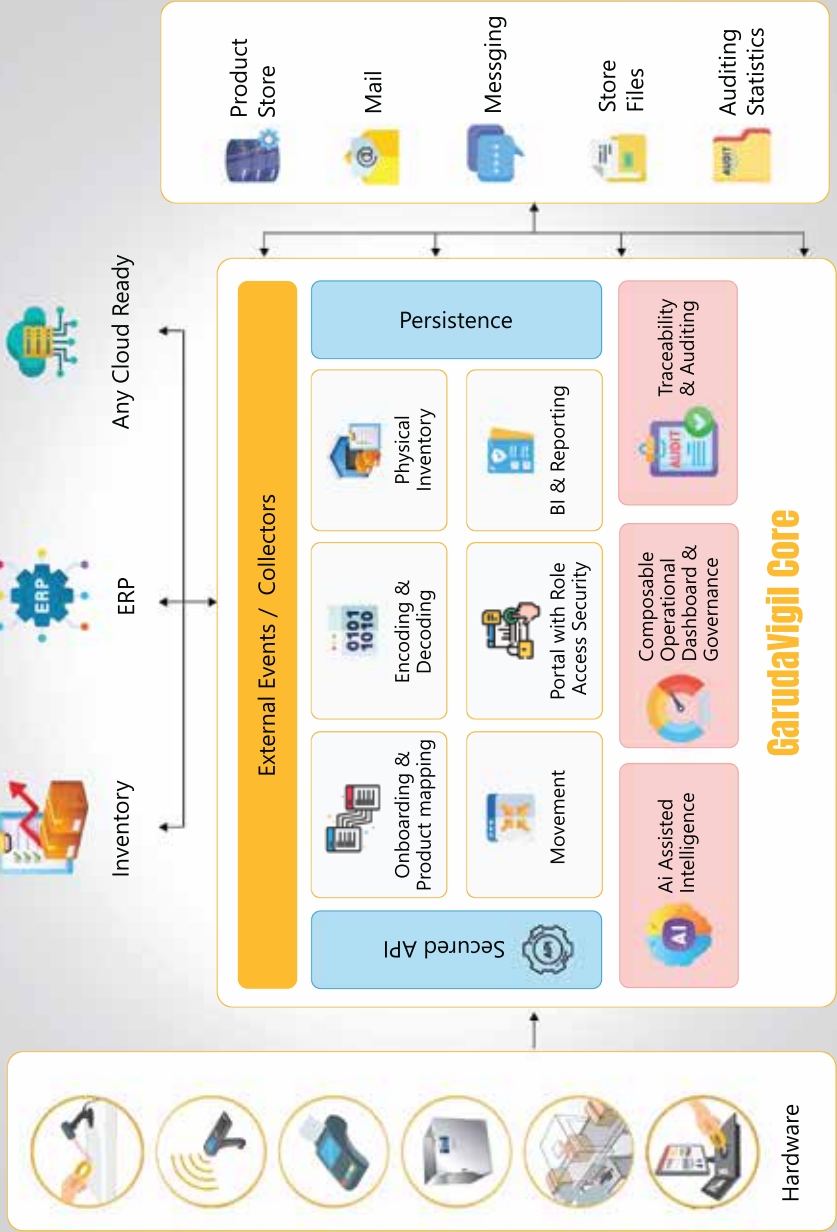
GarudaVigil is a cutting-edge cloud-based solution that integrates IoT for supply chain traceability and inventory management. It empowers businesses with actionable insights, enabling them to enhance operational efficiency, enrich customer experiences and respond swiftly to dynamic circumstances. GarudaVigil is ever-watchful, ever-protecting and ever-responsive. GarudaVigil is designed to soar above data complexities, offering a unified, comprehensive view. By seamlessly integrating data from various sources, it provides the tools to:

- ▶ **Capture:** Collect and ingest accurate data
- ▶ **Process:** Manage and integrate data for optimal quality
- ▶ **Analyse:** Apply advanced analytics and machine learning to derive actionable insights
- ▶ **Predict:** Anticipate future trends, opportunities, and challenges
- ▶ **Communicate:** Share insights effectively with stakeholders

Benefits of GarudaVigil:

- ▶ **Streamlined Operations:** Reduce manual tasks and enhance inventory management
- ▶ **Enhanced Decision-Making:** Leverage data-driven insights to stay competitive
- ▶ **Cost Reduction:** Minimize inventory errors, labour costs, and inefficiencies
- ▶ **Improved Customer Satisfaction:** Provide personalized services and efficient order fulfilment for a superior customer experience

GarudaVigil is the ideal solution for businesses seeking a powerful, insightful platform to drive growth and efficiency.



Architecture

GarudaVigil: A Modern Platform for the Future

GarudaVigil is built on a flexible, scalable, and resilient architecture designed to adapt to the evolving needs of modern businesses. Its innovative design ensures agility, reliability, and seamless integration of emerging technologies, providing a robust foundation for sustainable growth. It offers:

- ▶ **Adapt with Ease:** Modular design enables easy customization and integration of new features without disrupting ongoing operations
- ▶ **Scale Up or Down:** Effortlessly handle fluctuating workloads to ensure optimal resource utilization
- ▶ **Ensure Reliability:** Robust architecture minimizes downtime and ensures high availability, reducing business disruptions
- ▶ **Deliver Exceptional Customer Experiences:** Supports personalized and responsive services to enhance user satisfaction
- ▶ **Stay Ahead of the Curve:** Built to adopt emerging technologies, ensuring your business remains future-ready
- ▶ **Integrate Seamlessly:** Compatible with leading ERP and CRM systems, streamlining operations for efficiency
- ▶ **Protect Your Data:** Advanced security measures safeguard sensitive information, providing peace of mind
- ▶ **Streamline Processes:** Intelligent automation and AI-powered insights optimize workflows and reduce manual effort
- ▶ **Anticipate Challenges:** Predictive analytics identify potential issues, enabling proactive problem-solving
- ▶ **Foster Collaboration:** Facilitates teamwork and knowledge sharing, promoting a collaborative work environment

Experience the power of GarudaVigil and unlock the full potential of your business.



Key Features

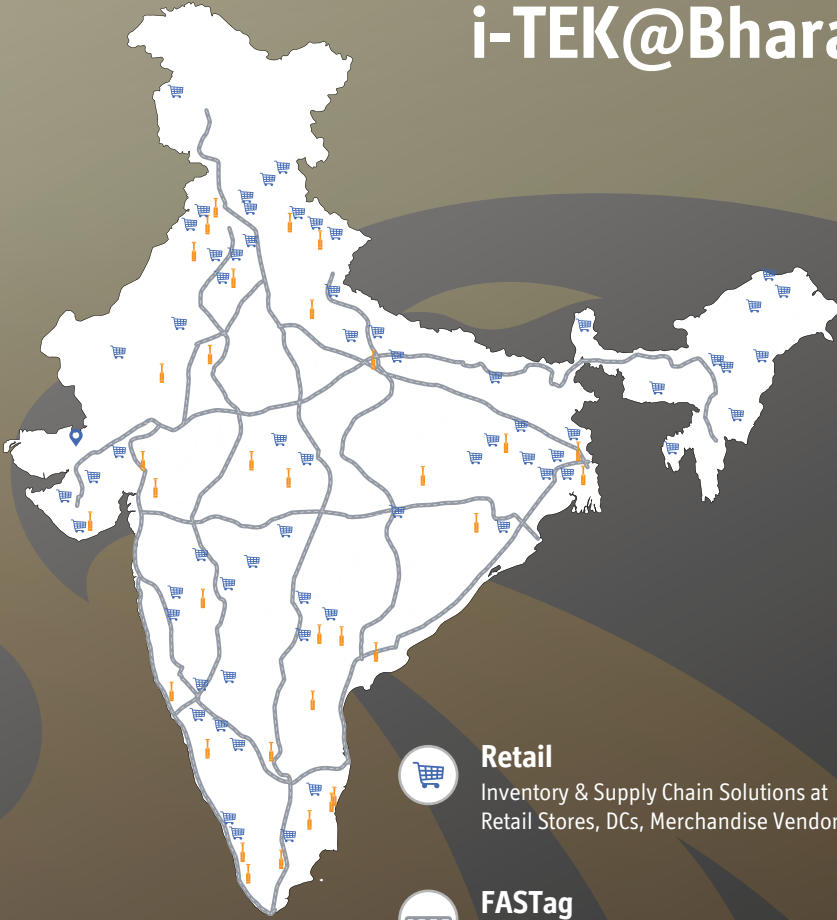
- ▶ **Unified Customer Profile:** Provides a 360-degree view of customer interactions and preferences
- ▶ **Automated Workflows:** Streamlines tasks to reduce manual effort and boost efficiency
- ▶ **Real-Time Analytics:** Delivers up-to-date insights for data-driven decision-making
- ▶ **Personalized Engagement:** Enhances customer satisfaction with tailored experiences
- ▶ **Scalable Infrastructure:** Supports business growth effortlessly
- ▶ **Enhanced Security:** Protects sensitive data with robust, multi-layered security
- ▶ **Seamless Integration:** Ensures compatibility with existing systems for a cohesive workflow

Benefits

- ▶ **Improved Decision-Making:** Leverage data-driven insights for more informed and effective choices
- ▶ **Enhanced Operational Efficiency:** Streamline workflows and allocate resources optimally for smoother operations
- ▶ **Increased Customer Satisfaction:** Provide personalized experiences that align with customer needs and preferences
- ▶ **Competitive Advantage:** Utilize insights to adapt and remain responsive in a dynamic market

GarudaVigil positions your business to leverage the power of IoT and data analytics, enabling operational excellence and unparalleled success.

i-TEK@Bharat



Retail

Inventory & Supply Chain Solutions at
Retail Stores, DCs, Merchandise Vendors



FASTag

Every 2nd Vehicle has i-TEK FASTag



E-Seal

Around 4,000 Export Manufacturers across
105 Ports / ICDs

RFID in Nation Building

RFID technology, which began in 1973 with passive transponders at the New York Port Authority, has evolved significantly. Initially limited to Low Frequency (120-150 KHz) and High Frequency (13.56 MHz), the adoption of EPC global standards (2002-2005) and EPC Gen2 (2006) marked major milestones in its development.

India embraced RFID with the launch of Electronic Toll Collection (ETC) in 2013-2014. Led by the Ministry of Road Transport and Highways (MoRTH), FASTag revolutionized toll collection, benefiting over 8 crore vehicles and facilitating daily toll revenues of INR 228 crore. i-TEK played a pivotal role by supplying 4 crore FASTags, modernizing India's transportation infrastructure. Beyond tolling, RFID has improved efficiency at Indian ports with Gate Automation and container tracking. In 2017, the government mandated RFID E-Seals, with i-TEK supporting over 3,500 exporters. Indian Railways also uses RFID for wagon tracking and fare collection, showcasing its versatility. RFID's applications span diverse sectors, including Infrastructure Management, Healthcare, Retail, and Education, improving efficiency and transparency. Globally, the RFID market grew from USD 7 billion in 2012 to USD 12 billion in 2020, with projections of USD 16 billion by 2029. India is positioned to play a key role in this growth by scaling RFID solutions across industries.

Empowering Innovation Through RFID

Since 2000, i-TEK has been at the forefront of RFID innovation, driving its adoption and advancement in India. As the technology continues to transform industries, i-TEK encourages innovators to explore new applications, reminding us that "It's Physics, Not Magic." Through collaboration and innovation, RFID can propel India toward a more efficient and technologically empowered future.



Social Entrepreneurship

Social entrepreneurship blends profit-making with a mission to address pressing social, cultural, or environmental challenges. It empowers individuals and organizations to create innovative solutions that generate positive societal impact while maintaining financial sustainability. As pioneering social entrepreneurs, i-TEK embraces technology to drive meaningful change and contribute to a better future.

Transforming Transportation

i-TEK's FASTag Electronic Toll Collection system has redefined India's transportation landscape. By reducing congestion, cutting travel time, and curbing corruption, the system has not only enhanced commuter experience but also contributed significantly to economic growth.

Empowering Exporters

Through its RFID-based E-Seal solution, i-TEK has streamlined container exports, ensuring security and efficiency in export logistics. This innovation supports exporters, often referred to as the growth engine of the nation, by enhancing operational reliability and international competitiveness.

Sustainable Practices

i-TEK actively promotes sustainability by advocating for the reuse of RFID tags wherever possible. This initiative minimizes semiconductor waste and reduces electronic waste, aligning technological innovation with environmental stewardship.

Enhancing Work-Life Balance

i-TEK's Inventory Management system optimizes store operations by reducing the need for night shifts and simplifying workflows. This contributes to a healthier work-life balance, fostering employee well-being and satisfaction.

R

**Review the
Business Challenge**

F

**Frame a
Solution**

I

**Implement
with Precision**

D

**Derive
Results**



Approach



Conception Workshop

Conducting technical workshops to thoroughly understand customer requirements



Identifying Business Needs

Breaking down complex business problems into manageable, actionable goals



Designing the Solution

Crafting and developing tailored solutions to address specific business challenges



Creating a Proof of Concept

Developing and showcasing a proof of concept to validate the solution and instill confidence



Execute a Pilot

Implementing a pilot program to address operational challenges and demonstrate ROI

Our Founder

Ashim Ashok Patil is a visionary leader and trailblazer in RFID and IoT technologies, transforming industries through innovation and strategic foresight. With over two decades of experience, he has steered Infotek Software & Systems (i-TEK) to the forefront of automation and IoT solutions across Retail, Logistics, and Manufacturing.



Under Ashim's leadership, i-TEK has achieved remarkable milestones, including its significant role in the Indian National Electronic Toll Collection Program (FASTag) and the implementation of RFID Electronic Seals for containers. Today, every second vehicle in India operates using i-TEK FASTag, while over 3,000 toll plaza lanes rely on i-TEK's robust RFID infrastructure. Additionally, more than 3,500 manufacturing brands utilize i-TEK's self-sealing solutions across 100+ ports and Inland Container Depots (ICDs), underscoring the company's industry-wide impact.

Originating from humble beginnings in a small village in Western Maharashtra, Ashim pursued his engineering education at the University of Pune. Beyond his role as a technology leader, he considers himself a social entrepreneur, dedicated to creating solutions that drive societal progress. His inclusive and team-oriented leadership style inspires his colleagues to excel and innovate, fostering a culture of collaboration and excellence.

Ashim's contributions extend to the Fashion Retail sector, where he conceptualized groundbreaking solutions for Inventory Visibility and Supply Chain Traceability, benefiting numerous national and international brands. In his free time, Ashim practices yoga and enjoys visiting places of spiritual and scientific significance, reflecting his holistic approach to life and work. With unwavering faith in his team and a commitment to value-driven innovation, Ashim Ashok Patil continues to propel i-TEK's growth and technological advancements, cementing its position as a leader in RFID and IoT solutions.



MAHABRANDS

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— अरवि पटेल,

सचिव व पूर्व मुख्यमंत्री, महाराष्ट्र

By using **RFID** Technology retail sector has been revolutionised
In India, every 2nd vehicle has i-TEK RFID FASTag

अधिकारियों के विभिन्न क्षेत्रों में विभिन्न तालीमों में भी शामिल हैं। इनमें शामिल हैं: शिक्षा, स्वास्थ्य, कृषि, उद्योग, परिवहन, संचार, आवास, पर्यावरण, अर्थव्यवस्था, समाज, विज्ञान, कला, खेल, मनोरंजन, पर्यटन, विदेशीय संबंध, आंतराष्ट्रीय संगठनों में, आदि। इनमें से कुछ क्षेत्रों में विशेषज्ञता के साथ-साथ अन्य क्षेत्रों में भी कार्य करने की क्षमता होनी चाहिए।

[illegible][illegible]

also means "young," or immature, and is often associated with children. Another place to find a young word and place go is under the age groups with their assigned list: go to *young/adult* and see what else you find, or, in looking for a new word, you may want to check the list under *age 13-17* or *age 18-24* and find a word that you like. You may find a word that you like, but what about the meaning? Is it different? Is it new? Is it old? Is it new and old?



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www.elsevier.com/locate/jmb

[illegible]

Intermittent Fasting

Intermittent fasting means going without eating for a certain amount of time. It's a way of eating that involves restricting your eating window to a certain number of hours each day. For example, you might eat from 8 a.m. to 4 p.m. and then fast until 8 a.m. the next day. There are many different intermittent fasting schedules, but the most common ones are the 16/8 method (fasting for 16 hours and eating for 8 hours) and the 5/2 method (eating normally for 5 days a week and restricting to 500-600 calories for 2 days a week).

Small-scale farming systems are not only more profitable, but also more self-reliant than the large commercial farms that produce most of the food we eat. Small-scale farmers produce more food for their own consumption, and are more resilient to market fluctuations. They are also more likely to use sustainable practices, such as crop rotation and organic fertilizers, which can improve soil health and reduce the need for synthetic inputs. Small-scale farming can also play a role in preserving biodiversity and traditional knowledge. By supporting small-scale farmers, we can help to ensure a more sustainable and resilient food system for the future.

1. *What is the main purpose of the text?*
 2. *What is the author's attitude towards the topic?*
 3. *What is the main idea of the text?*
 4. *What is the author's main argument?*
 5. *What is the author's conclusion?*
 6. *What is the author's recommendation?*
 7. *What is the author's opinion on the topic?*
 8. *What is the author's view on the topic?*
 9. *What is the author's perspective on the topic?*
 10. *What is the author's stance on the topic?*

Source: *Wright* (1997) and *Wright* (1998).

[illegible]

ing, the most common one being that, although the company has a strong reputation for its products, it is not a good company to work for. The company's reputation for its products is a result of its long history of producing high-quality products. However, the company's reputation for its employees is a result of its long history of producing low-quality products. The company's reputation for its products is a result of its long history of producing high-quality products. However, the company's reputation for its employees is a result of its long history of producing low-quality products.

negotiate with the woman
over any new deal, however.
Worked in, also with her at
the time when we might have
wanted, and some money from me
into (perhaps) and by, where
we talked money with (for
years but we don't have there
that night but we do it
there for my work or give money
to the girl for some that night
more and

the program, students get reports, keep up with current news, and are actively encouraged to write letters. No way of separating students with disabilities and nondisabled students is shown. It is not clear how the program is evaluated. The program is a computerized text with a quiz that the teacher fills out and sends responses to the teacher. There is no mention of whether the program has been evaluated.

[illegible]

*'Kya Hua Yagya' (अपमानित) चर्चित है। इस फिल्म में राजेश खन्ना व सुमित्रा ने एक विदेशी राजा को अपमानित करने का प्रयास किया है।

भोजन और पुष्पिका
अपनी ही आदतोंवासी हैं

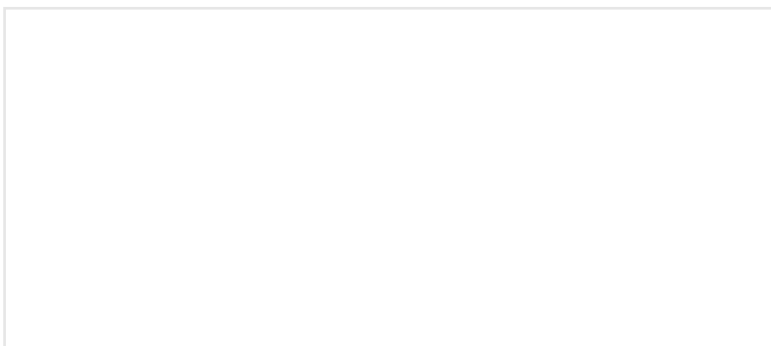
[illegible][illegible]

could easily become another case of the "one-size-fits-all" approach that has been so common in the past. The program must be designed to be flexible and adaptable to the needs of the community. It must be able to change as the needs of the community change. It must be able to respond to the needs of the community in a timely and effective manner. It must be able to provide the community with the information and resources it needs to make informed decisions about its future. It must be able to provide the community with the support and assistance it needs to achieve its goals. It must be able to provide the community with the services and programs it needs to improve its quality of life. It must be able to provide the community with the resources it needs to create a better future for itself. It must be able to provide the community with the information and resources it needs to make informed decisions about its future. It must be able to provide the community with the support and assistance it needs to achieve its goals. It must be able to provide the community with the services and programs it needs to improve its quality of life. It must be able to provide the community with the resources it needs to create a better future for itself.

இது ஒரு மணி!
 இதை நீங்கள் கவனத்தில் கொள்ள வேண்டும். இதை நீங்கள் கவனத்தில் கொள்ள வேண்டும். இதை நீங்கள் கவனத்தில் கொள்ள வேண்டும்.

consequently, you had your own work to do in Taiwan that day. You have to give your home country/land first, and consequently, you have a difficulty of balancing your career and family commitment. I might say that the difference is not much, though on a practical level, it may mean greater sacrifice from you (I repeat, it may mean that the wife has to give more of her time and effort, with either of them having to sacrifice more of their career path, etc.). I feel a personal responsibility to you and your wife, but I can't really do anything for you and your wife. I can only give you my personal advice and support. I can't really do that much on a practical level. As you said, you have to give your family more time and effort than you can give to your career. I can't really do anything for you and your wife. I can only give you my personal advice and support. I can't really do that much on a practical level.

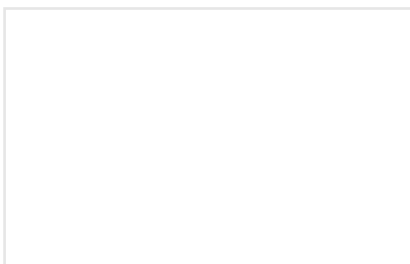
Many small efforts have been made to protect women in the region, and still a significant percentage of small-scale women are still left with no social insurance or the like. In a future programme, we therefore intend to expand the number of small-scale women who are covered by the social insurance.



Paper Hang Tag (102x45mm)



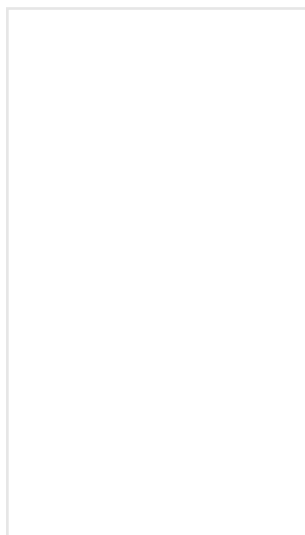
RFID Jewellery Label (68x26mm)



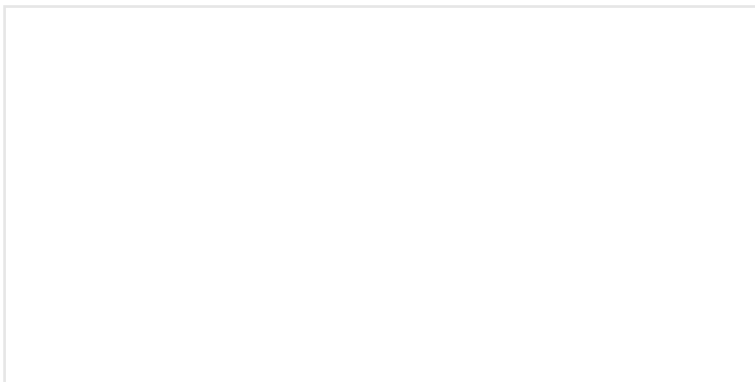
RFID Label (54x34mm)



RFID Inlay (45x17mm)



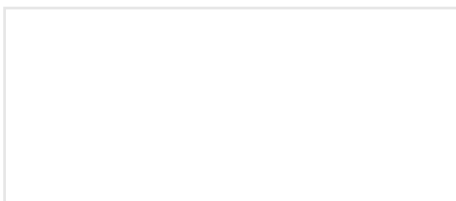
**RFID Sewable Tag
(40x70mm)**



Tamper Proof Windshield Tag (100x50mm)



Tamper Proof Windshield Inlay (90x24mm)



RFID Mount on Metal (60x26mm)



NFC Inlay (25ø)



Tag | Track | Transform

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