How we Helped Customers

Virgin Atlantic Airways

Virgin Atlantic decided to implement an RFID-enabled solution at its Heathrow operation to enhance efficiency and minimize risks in its spare parts supply chain. We helped this leading airline design and develop this RFID solution. The solution enabled tracking of these parts from the time they entered the storage area from the binning area, to the time when they were taken out for dispatch and finally used at the repair facility. Enhanced product visibility in the stores eliminated the chances of these high-value assets being misplaced. Apart from reduced cost of labor associated with managing goods and business processes, Virgin Atlantic improved efficiency by being able to accurately predict the time and place where the goods were required.

GE Healthcare

GE Healthcare determined to improve warehouse inventory transaction process decided to implement an RFID-enabled inventory control and management system in its store. The solution designed by us had each bin labeled with RFID tags and store product information. The system updated the quantity and transaction details during every transaction onto the RFID tag in real-time. The ERP system then transferred the lists of transactions onto the RFID handheld reader that checked and updated the new inventory in bin tags and recorded the transaction details.

GEHC experienced faster processing of warehouse transactions. Errors that crept in at the time of manually writing bin cards and during data entry to the ERP system were eliminated. The RFID handheld reader recorded all transactions and uploaded the information into the ERP system for processing and report generation in real-time. With the data on actual quantity in bin and the ERP system records being synchronized, there was instant visibility of stock in each location.

About Tata Consultancy Services (TCS)

Tata Consultancy Services Limited is an IT services, business solutions, and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development.

A part of the Tata Group, India’s largest industrial conglomerate, TCS has over 89,000 of the world’s best trained IT consultants in 47 countries. The company generated consolidated revenues of US$4.3 billion for fiscal year ended 31 March 2007 and is listed on the National Stock Exchange and Bombay Stock Exchange in India. For more information, visit us at www.tcs.com.

To know more about our expertise in building solutions using RFID technology, contact our RFID Technology Center at 630-245-8321 or email usa.rfid@tcs.com.
RFID that was considered a niche technology till a few years ago is powering business processes and systems today to make them the competitive backbone of organizations. Enterprises across industries are deploying RFID-enabled solutions for inventory and supply chain visibility, asset management, product authentication and genealogy tracking, manufacturing process control and much more. As a single solution provider—from managing hardware, middleware, business process integration, solution development and implementation—we build RFID-enabled solutions that are tailored to your business and technology environment.

Overview

RFID can significantly improve numerous aspects of enterprise performance through automatic data capture technology by providing unparalleled visibility and precision. Combining RFID data from the edges of the organization with business processes and systems enables companies to evolve into highly responsive, real-time organizations that can quickly realize bottom-line profitability. Be it a retailer, manufacturer, healthcare provider, bank or a food company, enterprises have been using RFID technology innovatively to overcome their challenges. Several retailers are mandating their suppliers to make their shipment RFID-enabled. Manufacturing and logistics companies are looking at RFID to track their reusable assets across their supply chain partners. Healthcare companies on the other hand are deploying this technology to prevent counterfeiting. RFID pay cards are fast becoming popular for faster and quicker payments at check-out counters specifically at food retail outlets.

At TCS, we work with our customers to build RFID solutions that meet their business objectives. We know that the business benefits from deploying RFID accrue only if the solution stack is conceived, architected, assembled, implemented, and rolled out in an integrated manner, supported by an enterprise-wide strategy.

Why TCS

Having delivered technology solutions across industries, we have built experience to understand each industry’s unique problem. With a team of engineers having expertise in RF engineering, we understand both the RFID hardware and software. We ensure a seamless on-time execution of the solution through re-usable frameworks and proprietary productivity-enhancing tools and assets.

Investing in the Future

We understand that technology evolves. To be able to help customers address the technological developments, we have built centers that focus on innovation and advanced solution building. While the RFID Lab in Kolkata, India, conducts testing and prototyping and solution development, the Chicago-based RFID center focuses on proof of concept demos, RFID technologies across different industry segments and rapid prototyping.

Partner Alliances

Our partnerships with leading RFID hardware and middleware providers and application vendors provide us access to latest technology developments, strengthening our capabilities to build solutions for customers.

Enterprise Applications Expertise

Our experience in enterprise applications, supply chain management, and enterprise asset management enable us to work with application vendors and customers to craft solutions and integrate them with existing applications.

Our Offerings

Right from business process and technology consulting, site survey to solution architecture design, development and support, we offer end-to-end services that help our customer build the right RFID-enabled solution. Using interoperable open standards, scalable and complementary infrastructure and technology platform-independent applications, we ensure that our customers experience business results faster with the RFID solution.

Industries Served
- Energy & Utilities
- Entertainment
- Government
- Healthcare
- Life Sciences
- Manufacturing
- Media
- Retail & CPG
- Telecom
- Transportation

RFID Practice Solutions
- Asset Tracking
- Contactless Payment
- Document Management
- DoD Compliance
- Inventory Management
- Manufacturing Control
- Patient Tracking
- Retail Compliance
- Track and Trace
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