eAgile

RFID Made Easy®

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Established in 2004, eAgile is a world-class provider and innovator of RFID Labels, RFID Tags and Intelligent RFID Packaging Solutions. In our vertically integrated facility we design, manufacture and distribute standard or customized RFID products in UHF, HF, NFC, LF and in a wide variety of form factors. eAgile's RFID tag production, personalization, hardware and custom software solutions are governed by a stringent ISO 9001:2008 certified quality management system to ensure continued excellence.

Global Deployment at Six Sigma Levels

100% Encoding Accuracy

World's Largest Deployed Asset Tracking Program

Solutions for Today's Growing Industries

eAgile knows that everyone's needs are unique but many industry groups have common challenges. Pharmaceutical manufacturers may need intelligent packaging to support compliance to ePedigree requirements while automotive manufactures are concerned with inventory visibility to support just-in-time deliveries across a network of facilities. Whatever your needs, eAgile will bring our extensive RFID experience to the table to design an end-to-end solution that is effective, scalable, affordable and most importantly, specific to your performance requirements.

Healthcare
- Intelligent Packaging
- Anti-Counterfeiting
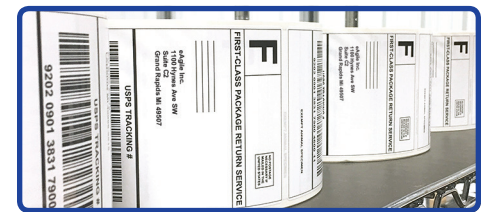- Product Authentification and Serialization
- Anti-Diversion

Manufacturing
- WIP Visibility
- Finished Goods Inventory

Warehouse and Distribution
- Supply Chain Visibility
- Operation Efficiency

Retail
- Inventory Management
- Loss Prevention
- Brand Authentication

Financial and Legal
- Chain of Custody
- Location Accuracy
- Traceability

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US & International Patents

Broadest ISO QMS Certification

Delivering to Over 40 Countries

Custom Made RFID Labels and Tags

eAgile's eSeries of tags and labels align the performance and system requirements of your application to an industry-proven engineered solution. Select from an array of size and performance requirement combinations or eAgile will consult with you to design a tag specific to your needs. eAgile's service bureau will personalize your order by adding full color print, serialization and barcodes then employ our patented eSync™ system to encode your tags to a 100% degree of accuracy. All service bureau work is governed by our ISO 9001:2008 quality management system and has provided hundreds of millions of unique tags and labels to support some of the world's largest RFID programs.

e200 Series
Standard RFID Label

- Paper-faced construction
- UV resistant

e500 Series
Durable RFID Label

- Synthetic-faced RFID Label
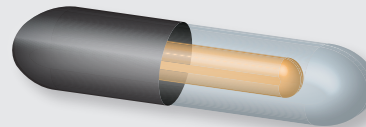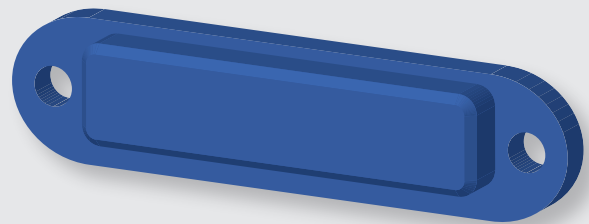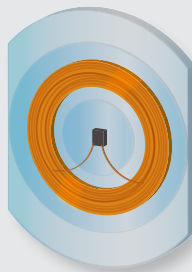- Scratch, moisture and UV resistant

e700 Series
Ultra Durable RFID Label

- Synthetic face with clear over-laminate
- Scratch, water, chemical and UV-resistant

e900 Series
Durable Tags

- Multiple encapsulation options (glass, plastic, rubber and ceramic)
- On-metal applications
- Adhesive and/or mechanical mounting
- High-heat and chemical-resistant options

Service Bureau Options

- All Frequencies (UHF, HF/NFC, LF)
- Variable Data (Serialization, Text and Barcodes)

- 100% Inspection
- Data Management
- Static or Sequential Encoding

- Four Color Process Print
- Custom Die Cutting
- Permanent and Removable Adhesives

UHF, HF/NFC, LF, and Dual Frequency

RFID transponders are available in different frequencies and selection is dependent on the application, environment and the construction of the items tagged. Let eAgile help you determine the best transponder for your needs and design a solution that fits the performance requirements of your system.

Characteristics	UHF	HF/NFC	LF
Read Distance	Medium to Long	Short to Medium	Short to Medium
Read/Write Speed	Best	Better	Good
Metal/Water Environments	Good	Good	Best
Read Multiple Tags	Best	Good	Good
Available Form Factors	Best	Good	Good

UHF (Ultra High Frequency)
ISO 18000-63, 860 – 960 MHz

Ultra-High Frequency or UHF tags are ideal for longer read range applications (1 to 20 meters) where fast read/write speeds are desired. UHF applications are ideal for item level visibility where dense tag populations and movement are in play typical of manufacturing, healthcare and asset tracking projects.

HF (High Frequency) / NFC (Near Field Communication)
ISO 15693 and ISO 14443A, 13.56 MHz

High frequency (HF) and Near Field Communications (NFC) tags both operate in the same frequency and have a shorter read range (centimeters to a meter). HF is typically employed for healthcare, smart card and library applications where close reads are desired and ideal RF environments cannot be controlled. Most smart phones are now embedded with NFC function where a tap to the tag can direct the user to websites, social media or other marketing applications.

LF (Low Frequency)
ISO 11784/5, 125 – 135 kHz

Low Frequency (LF) tags have the longest wave length and are ideal for the challenging RF environments of liquids and metal content typical of animal identification and smart key applications. Read ranges are usually limited (centimeters to one-half meter) and tag programming is often set to a unique secure identifier.

Dual Frequency (UHF/NFC)
ISO 18000-63 and ISO 14443A-3, 13.56 MHz, 860 – 960 MHz

Dual Frequency Tags combine the long range read/write ability of UHF with the user-level functionality of NFC. The result is a multi-function tag which provides the visibility for manufacturing and logistics and the brand interaction goals of marketing in a single tag.
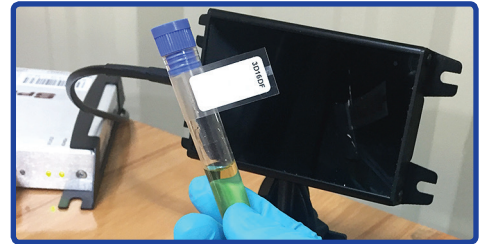
Service Bureau Options *cont.*

- **Custom Inlay Design**
- **Graphic Design Services**
- **Prototyping and Testing**
- **Roll or Singulated Formats**
- **ISO 9001:2008 Quality Management System**
- **Tag Performance Analysis**
- **High-Volume Applications**
- **Indoor and Weather-Resistant Applications**
- **Standard and Custom Sizes**

Integration Systems

eAgile offers various customizable hardware solutions designed to complement existing infrastructure and make RFID solutions accessible to every market. From handheld readers to complete facility outfitting, eAgile supports the hardware services necessary to support and integrate RFID technology in your organization.

Fixed Readers and Antennas

Identify and track items at fixed read points strategically located within your organization

Conveyor Portal

Custom read zones designed around your current conveyor system to allow item and case level RFID reads to integrate with your backend system

Door Portal

Increase visibility of tagged items passing through doors, docks and various other chokepoints

Handheld

Inventory, identify, track and locate items with handheld RFID readers

Other Custom Applications

- Pallet wrappers
- Mobile carts
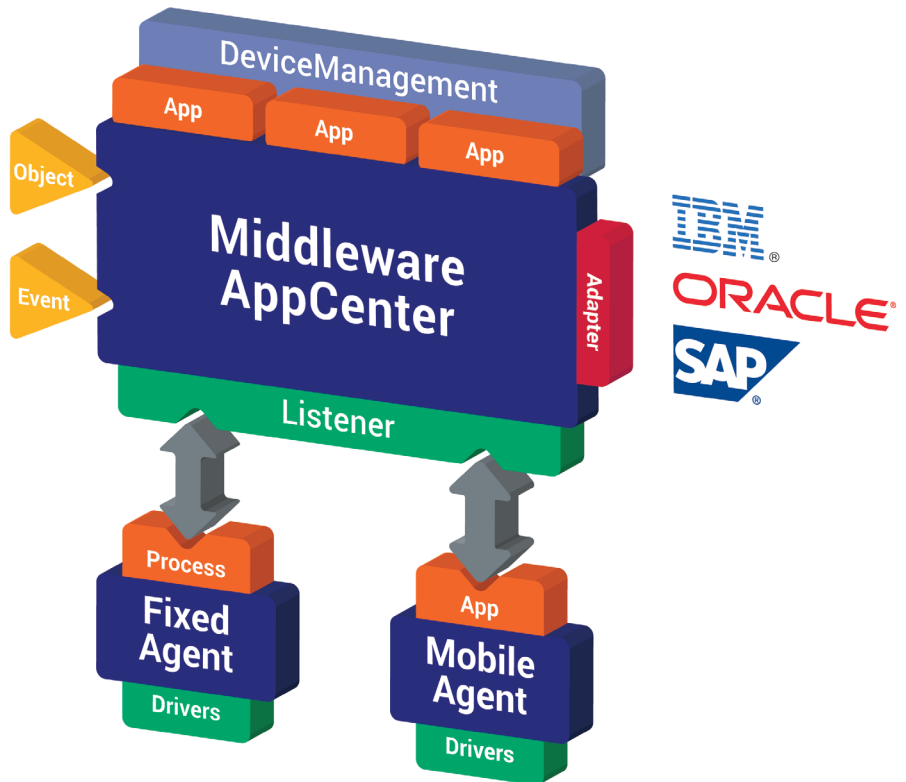- Kiosks

Applications

Industries:

- Healthcare
- Manufacturing
- Government/Financial/Legal

eAgile Offerings:

- File Tracking (Document)
- Asset Tracking
- Supply-Chain Visibility

- Inventory Management
- Track and Trace
- Distribution

Integration Software

As part of eAgile's eView solution, CrossTalk middleware combines RFID with your current data capture systems to offer robust functionality with intuitive plug-and-play device management. Together they provide the object and event data resources necessary to bolster existing ERP and back-end systems.
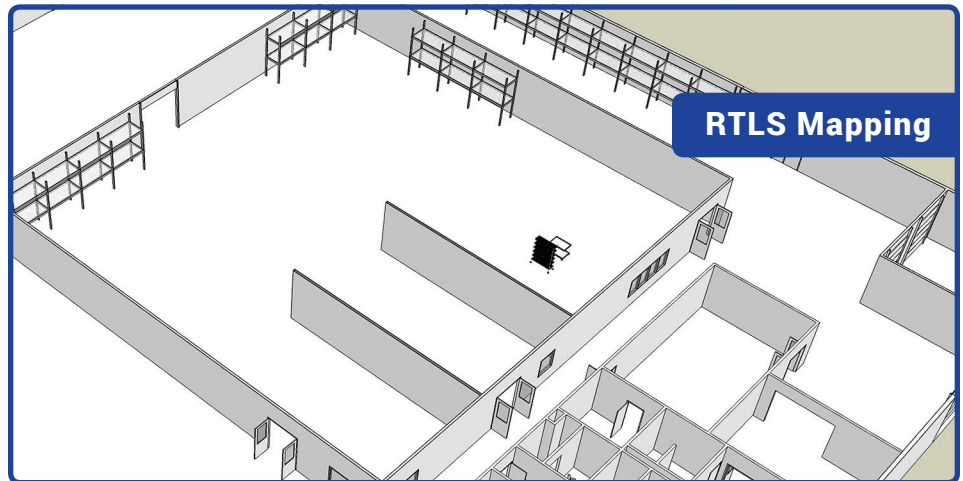
RTLS Infrastructure

- Creates logic between RFID infrastructure and business rules
- Establish track-and-trace functionality
- Build custom maps and zones to visualize object location

Device Management

- Create and deploy processes based on templates
- Update device drivers and service bundles
- Manage and configure agents
- Push notifications of system alerts

Fixed & Mobile Agents

- Real-time data processing and filtering
- Easy connectivity to routed networks
- Run multiple mobile scenarios on or offline
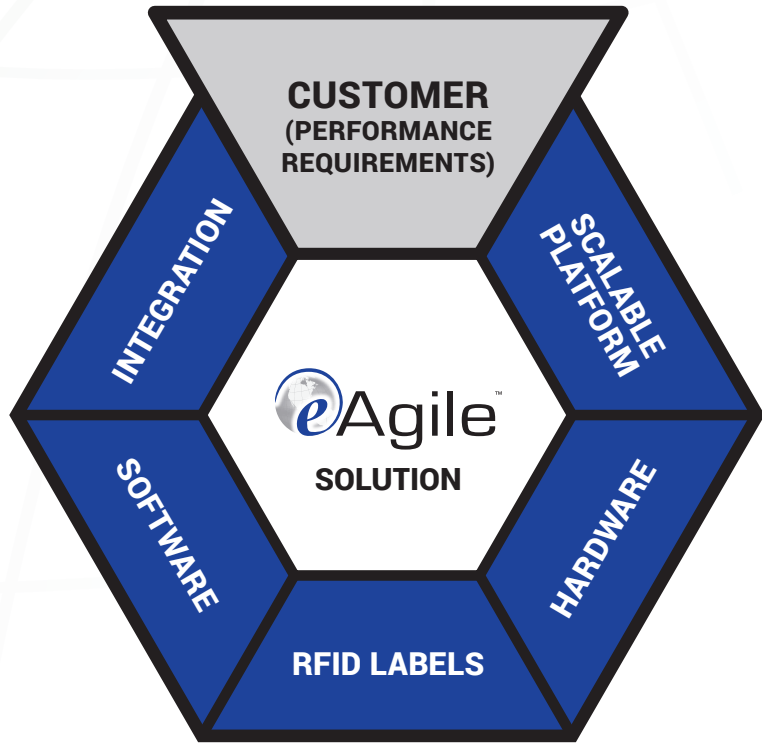- Load, run and buffer mobile apps from local server

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Integration Services

- **Business Protocol Analysis**
- **On-Site Assessment**
- **Tag and Hardware Selection**
- **Implementation and Validation**
- **System Integration (Backend)**
- **Remote and On-Site Support**
- **System Management**

eAgile Solutions, Tailored for You

After a decade innovating in the field of RFID, eAgile has learned that in order to make RFID easy, the only approach is to place you and your requirements at the top and center of every solution. Your environment, product, information system and data needs are unique to your organization and were designed with purpose. The information provided by an RFID system needs to support and evolve with that purpose, not redefine it. We invite you to learn more about eAgile through an initial consultation with one of our solution experts. We are eager to learn about your unique needs and show how we can Make RFID Easy for you.

CUSTOMER
(PERFORMANCE REQUIREMENTS)

INTEGRATION

SCALABLE PLATFORM

*e*Agile™
SOLUTION

SOFTWARE

HARDWARE

RFID LABELS

ISO 9001:2008 Certified

Member AIM — Association for Automatic Identification and Mobility

N™

GS1 US Solution Partner

RAIN™ RFID CHARTER MEMBER