

## RFID, Barcode, GPS and Sensor-Driven Application Builder

# iApp Builder



*InSync Software, Inc. provides the fabric for the world's leading RFID, GPS, and sensor-driven software applications. InSync's renowned iApp Platform and iApp Solution Templates allow customers to rapidly develop and deploy applications to locate and track assets, improve operational efficiencies, and manage risks.*

InSync's iApp Builder is the industry's best-in-class application builder for sensor-driven applications that leverage RFID, GPS and other technologies. From device-to-dashboard, the iApp Builder provides unsurpassed flexibility and ease of use. Using iApp Builder, customers, qualified partners, hardware providers, systems integrators and ISVs can now rapidly build, prototype, test, deploy, replicate and sell applications across virtually every market segment served by the RFID and sensor community.

iApp Builder features an extensive library of solution templates, web 2.0 dashboards, and process and UI widgets developed by InSync Software through real world application development and deployments.







A comprehensive set of tools, including device configuration and monitoring, data filtering and transformation, workflow design, alert and status notification setup and management and RTLS data visualization enable users to quickly configure processes such as check-in/check-out, shipping and receiving and RTLS location plotting based on specific business rules - all without writing custom code and expensive up front capital expenditures for software licenses.

iApp Builder allows customers to easily create applications that feature award winning look and feel, including customizable real-time dashboards with visual reference media such as Google/Yahoo Maps, aerial photography and floor plans. Incorporation of this media and other relevant business information takes minimal time and effort using InSync's drag and drop configuration utilities and predefined process flow libraries.




### Multi-Tenancy and Web-Driven Commissioning

For enterprise deployments, iApp Builder includes utilities for over-the-web application commissioning to multiple locations, eliminating the need for continuous on-site installation, and greatly reducing the time needed to configure each location. Once the enterprise is connected, administrators can set up data sharing preferences based on each location's responsibility and visibility requirements.

## iApp Builder Features

-  Seamless connectivity to RFID, Barcode, GPS, handhelds and sensors
-  Automated alerts for management of maintenance histories, replacement schedules and more
-  Award winning look and feel, including easily customizable real-time dashboards
-  Web-based commissioning of applications to locations and mobile devices
-  Comprehensive functions library and pre-defined workflows allow users to deploy easier and faster than ever
-  Mobile application support (handhelds, PDAs, cell phones)

## iApp Builder Delivers

-  **Increased Flexibility**  
Build software applications, both on-premise and mobile, based on what sensors work best for the job (RFID, GPS/GPRS, Barcode, Sensors)
-  **Enterprise-Level Solutions**  
Enable multiple partners, set up permissions and share data based on need, instance and authorization
-  **Easy, Intuitive User experience**  
Crisp application building paradigm and configuration-driven interface

### Mobile Application Support

iApp Builder fully supports Mobile application development for handheld operations where gathering information at the edge, or beyond the 4-walls, is mission critical. Applications built using iApp Builder can be instantly commissioned over-the-web to thousands of remote devices simultaneously. The mobile development utilities also support deployments through remote support and take-over capability.

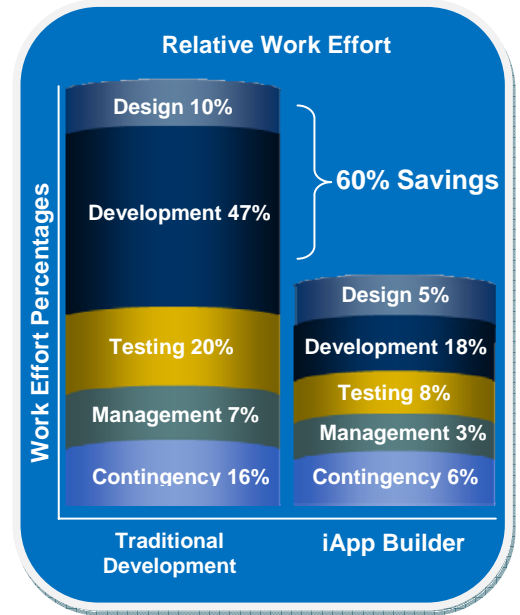
### Multiple Applications – One Solution

iApp Builder provides a single platform for companies looking to implement multiple track-and-trace and asset management applications across their enterprise. For example, customers can create multiple, connected, “channel” views (i.e. Yard Management and Logistics Tracking), all running in the same application environment.

### Flexible and OnDemand Delivery

InSync can deliver iApp Builder so that it is fully web-based and the development environment can be accessed from anywhere, including mobile devices such as a handhelds and cell phones. InSync’s products are deployable as either a licensed model or a hosted (SaaS) model. The hosted model requires minimal up-front investment and can be ideal for POC and pilot implementations.

### Why iApp Builder?



### iApp Builder Product Architecture



## Configuration Environment

### Filtering & Validation

Smart filtering and sorting tools enable users to view and search for specific assets and events based on attributes. Validation tools monitor tag and AIDC data gathered from sensor network (eliminating duplicate RFID tag reads for example).

### Edge Process Builder

Allows user to quickly build out the process logic that define processes driven by real-time data. This logic translates the data in the context of a work flow or multi-organizational work process. The Edge Process Builder is used for example, to define the processes for validating an outbound shipment, receiving, auditing, location/position capture.

### User & Organization Management & Deployment (Multi-Tenancy)

Enable multiple locations and even mobile devices through web-based application commissioning. Quickly define and set up permissions and rules for data sharing based on each location/partners need and authorizations. Share only what is needed with only those who needs to know it.

### Sensor Simulator

Test and simulate RFID, barcode and other data capture and read events to test and configure applications without having to physically read tags and labels.

### Entity & Process Modeler

Use virtual workflow models to define and test event-driven processes such as shipment receipts, ASN delivery, automation and other actions and events.

### Location & Image Configuration

Upload and calibrate visual media such as floor plans, satellite and aerial photography, through a drag-and-drop interface. Use box, square and free form tools to draw and define zones of control.

## iApp Builder Capabilities



### Device Management

Device drivers for active/passive RFID readers, handhelds, Sensors, GPS and other devices



Data collection, filtering, aggregating and processing

Remote configuration, monitoring and management of sensor networks



### Visualization

Customizable dashboards, Maps (Google/Yahoo/Proprietary), Real-time Channels



### Database

Proprietary Data Model  
MySQL, Sql Server, Oracle, DB2



### Infrastructure

J2EE (Apache, WAS, Netweaver,)  
Adobe Flex for UI  
Windows Mobile and J2ME for handhelds



### Event Management

System events – sensor events, alerts,  
Custom events  
Event handlers



### Administration

Users, roles, access  
Locations  
Enterprises



### Process Management

Edge process  
Business process  
Entity modeler