

# Panasonic

LOGISCEND™ SYSTEM

## Container and Asset Tracking

- It is a fundamental necessity for every factory to know what components or assets they have on hand — and to know where they are located. The Panasonic Logiscend™ **Container and Asset Tracking Application** provides full process visibility, allowing you to track the location of assets, count them, and record their status and attributes.





LOGISCEND™ SYSTEM

# Container and Asset Tracking

The Panasonic Logiscend™ Container and Asset Tracking Application is engineered to eliminate wastage through increased visibility, dramatically reducing the 20% of standard containers or assets reported lost on an annual basis.

- Location-aware tags provide location and line metrics throughout your facilities
- It is flexible: for inventory manufacturing it provides process visibility; for custom manufacturing it provides product visibility
- It is plug-and-play: Logiscend™ software integrates with existing systems, so you don't have to configure tracking capabilities
- The application automatically tracks, traces and logs containers and contents as they move through the assembly process
- It alerts operators if a container arrives at the wrong location
- The application counts empty containers and allocates them to process stations in real time

The Logiscend system extends your current tracking system with these features:

- Track asset location and disposition
- Set alarms or events for activity or maintenance
- Track and report asset history and management
  - Downloadable reports into .xls format or view in window
- Enroll assets, take inventory or locate assets in the field and sync with main application
- Compatible with fixed or handheld readers
- Easily import list of assets and locations
- Highly scalable application, expand for multi-location or multi-user capability
- Create your own geo-fences and work zones to enable optimized tracking and triggering of automated workflows

What makes Logiscend different than other asset tracking applications? It's simple — our Container and Asset Tracking Application allows you to not only track your assets, but also provides you with the reporting and documentation you require to maintain your assets — as well as their records — to ensure compliance. Containers are the most effective way to transport materials through a manufacturing environment and will be the key to achieving Smart Materials — a core tenet of Industry 4.0, the IoT initiative for manufacturing. Logiscend breaks new ground with their “smart container” technology:

- Visual tags provide visual instruction for individual containers
- Hands-free, simple communication between “smart containers” and humans ensures higher quality and reduces errors.

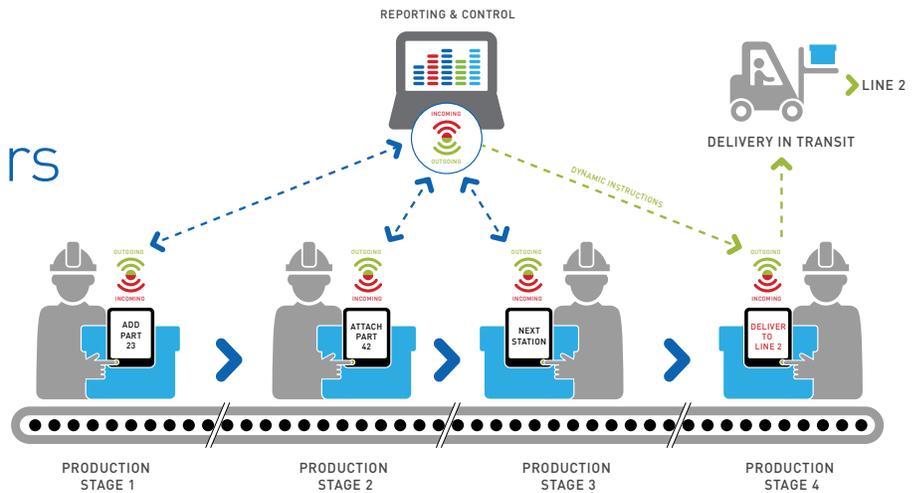


**Watch our video about the Panasonic Logiscend Container and Asset Tracking Application**

[logiscend.panasonic.com/tracking-videos](http://logiscend.panasonic.com/tracking-videos)

# Smart Containers

*Automatically track, trace and log containers as they move through the assembly process.*



## Customize and configure

- Fully configurable location and asset attributes
  - Nested parent-child relationships
- Easily set user roles and access
- Data can be segmented based on group/department to assure secure data access
- Ability for users to create, edit and delete jobs with user defined attributes to perform a task. Users can define start/end timestamps, priority, state (ready, not ready, hold, complete). An audit log keeps track of all the changes to the job.

## Customize reports and UI

- Export data to .xls to sort
- Utilize formatted reports such as assets by location or assets moved from one location to another
- Configure maps and geo-fenced locations to enable customized monitoring of assets and manufacturing workflows
- Dashboards provide location, delivery data and alerts to analyze process performance in real-time:
  - Identify bottlenecks to improve throughput
  - Balance processes and eliminate waste (Muda)
  - Connect easily to existing ERP/MES/WMS systems

## Scalable

- Import assets, set locations and connected devices
  - One location to multiple sites
- Move and copy definitions for easy setup
- Secure socket implementation
- Support thousands of assets with a single application

## Mobility

- Commission and associate tags
- Location ID
- Inventory workflow
- Full visibility and control of individual containers as they move through the process enables reallocation or re-direction as bottlenecks occur:
  - Alerts operator when container has arrived at wrong location
- Self-directed or “smart containers” are location aware to provide real-time, accurate operator instruction based on each process step or work zone location:
  - Little to no training or retraining is required — visual display tags tell operators exactly what to do
  - A simple button push by operators begins a new job or verifies process completion

## Open Architecture/Industry Standard

- We will work with you to design the right tag solution for your application. The Logiscend software supports multiple industry standard RFID protocols including:
  - EPC RFID Protocols Gen-2, ISO 18000-63 (info)
  - RAIN RFID (UHF)
  - High accuracy Real Time Location System (RTLS) with Bluetooth Low Energy (BLE) tags
- Visual tags, passive RFID, active RFID, RTLS and many more commonly used communication technologies
- Integrations with industry leading RFID & RTLS providers

## The Logiscend™ software platform

Flexible enough to work as a standalone application or integrated into your MES system, the Panasonic Logiscend™ software platform allows you to manage all of the tags and devices in your network, dynamically change workflows or work instruction, count WIP items, and drive analytics for improvements. An intuitive GUI and customizable dashboards ensure you have the view you need to effectively manage your processes — real time. QA inspectors can immediately quarantine or clear materials across the facility.

## Professional services

Panasonic is your trusted integrated solutions partner, committed to helping improve your organization's key performance indicators (KPIs), including productivity, quality, and cost targets. Our ultimate goal is enterprise-wide operational excellence. We offer a full suite of services which can be individually customizable to provide all support necessary for a successful program.

- Planning a material flow management solution
- Installation and implementation
- Maintenance and support
- Engineering services

## Integrated hardware

The Logiscend system has been designed to integrate seamlessly with a range of leading location-aware technologies. Our Solution Engineers will recommend specific hardware options, based on the requirements of your specific facility. Our hardware installations are 100% wireless for easy reconfiguration, and feature visual displays in various sizes to attach to bins, containers or work areas. The Logiscend software platform integrates passive and active RFID, BLE, LoRa, and many more commonly used technologies.

## The confidence to succeed

The Panasonic Logiscend solution has a proven track record with years of use in enterprise just-in-sequence assembly lines — proven to be reliable, proven to reduce costs and improve workforce accuracy, proven to be easily scalable for multiple assembly lines and plant locations. We are confident that after you experience the benefits of Logiscend on your first assembly line, you will wish to expand the installation across multiple lines and multiple plants. Our team of dedicated engineers and the entire Panasonic organization will stand behind you, working for your success and the success of your manufacturing facilities.



## Interested in finding out more?

Logiscend provides a turnkey solution including hardware and software along with the professional services to architect and deploy a complete material flow solution.

Visit [logiscend.panasonic.com](https://logiscend.panasonic.com) to learn more.



For more information, contact  
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