

Panasonic



LOGISCEND SYSTEM

Replenishment Application

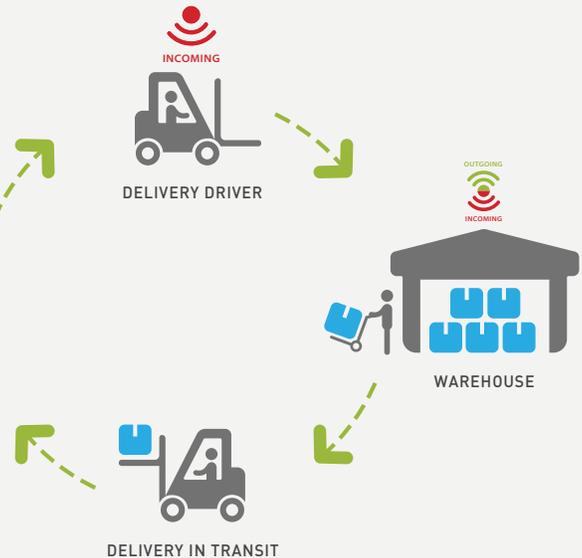
- Getting the right parts to the right place at the right time is essential in any factory. The Panasonic Logiscend Replenishment Application ensures your operators never run out of parts at any point in the process.

Replenishment Application

Phase 1



Phase 2



Parts replenishment is a key function in any manufacturing operation. The Panasonic Logiscend System allows an operator to “call” for parts or services by pressing a button on the VIEW Tag, having the tag “auto call” via an optional sensor, or ordering parts with a tablet and immediately receiving a response via a “call sent” message right on the tag. The warehouse receives the message and executes the pick. Delivery is then scheduled via configurable routes and instruction is sent to the driver for pickup. The entire system is wireless, enabling low installation costs and quick reconfiguration for a dynamic factory.

Standard work: No training or re-training necessary

This simple and intuitive system includes visual indicators and instruction right on the VIEW Tag for the operator, warehouse and driver. Visual instruction and automatic driver routes require little to no training – providing for ease of use and deployment.

- Automated call is triggered when rack or bins are empty, eliminating opportunity for error in parts call
- Eliminates need for manual replenishment flags and material handler “searching”
- Increases employee retention rates with highly simplified system (less training required)

Re-configurability: Simple wireless deployment

The Logiscend system requires no wired infrastructure so it is easy to reconfigure or add in a part change on the fly – no IT involvement is necessary.

- Dynamic supermarket capability
- No hard-wired infrastructure is required, easy to reconfigure zones
- Reduces capital purchases, fewer racks and containers necessary

The Logiscend Difference



Smart Material Flow. Brilliant Results.

The Logiscend Replenishment Application provides a simple intuitive process – from set-up to operation. The system can be set up and running within a matter of days and, if necessary, easily reconfigured to add in a part change or set up a new supermarket dynamically in a matter of hours. The best part: operators need little to no training to use the system – and less supervision is required!

How it Works

- 1 Operator either presses button, orders parts via a tablet, or a call is automatically triggered to the warehouse when a rack or bin is emptied – operator receives a “call sent” message right on the VIEW Tag confirming the part request
- 2 A job request is sent to both the material handler (driver) and the warehouse and displayed on each of their dashboards indicating a new order and pick up and drop off routing location information
- 3 Once the part has been “picked” from the warehouse, the tag is updated to show “Order Picked”
- 4 At delivery, the material handler will either press the button or the automated trigger will reset the tag and indicated that the order has been delivered within the system – removing it from the queue
- 5 Individual part orders, driver routes, delivery status and timing thresholds are uploaded into the system and can be filtered by specific jobs to optimize efficiency and identify pinch-points

Example Dashboard from Logiscend InSights Software



Monitor KPIs: Manager & driver dashboards

Create data never before available for visibility into individual calls, picks and deliveries, helping you to understand pinch-points to ensure efficiency and opportunities for process improvement in real-time.

- Analyze bottlenecks to improve throughput
- Balance processes and eliminate waste (Muda)
- Connects easily to existing ERP/MES/WMS systems

Visualize performance: Panasonic Logiscend InSights Software

Improve efficiency. Lower cost. Reduce inventory. The power of industrial IoT can only be fully realized if the data that is generated is gathered, visualized and analyzed.

- Powerful visualization and business intelligence tool that analyzes data over time
- Maximize efficiency and improve operational processes by visualizing performance across plants

Simple setup and integration

The Logiscend Replenishment Application interacts with your MES/ERP system for setup and configuration of part numbers and locations. The application also provides a robust management system to set thresholds (and alarms) for part request fulfillment and configure location & delivery routes. At the completion of each Replenishment request, process metrics will be uploaded to your system for analysis and planning.

Logiscend's intuitive graphical user interface (GUI) then allows for simple, guided configuration of the system, including parts customization and mapping of the physical layout of the driver routes and locations.

- The Logiscend user experience is provided via a web-based (HTML5) interface for simplicity
- Part numbers and their descriptions can be imported from the customer's MES/ERP IT systems, or they can be manually added as needed
- The customer's MES/ERP system may use a file exchange method or it can use Logiscend REST APIs to communicate with the Pick application module
- Manager dashboards provide bottleneck analysis, and measures and displays operator/shift performance in real-time, allowing you to dynamically re-issue instructions or re-balance lines as necessary

Logiscend software

Flexible enough to work as a standalone application or integrated into your MES system, this 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 branded, 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
- Installation and implementation
- Maintenance and support
- Engineering services



Pick



Replenishment



Asset Tracking



Work Instructions



Smart Container

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 to learn more.

For more information, please contact IIoT.sales@us.panasonic.com

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