HAL
SYSTEMS INC.

Product Catalog

HAL Systems

➜ *We Make the Complex Simple*

Since 1983, HAL Systems has focused on creating configurable software that suits the needs of any business, large or small. We understand that small to medium-sized businesses are often unable to find software with the functionality they need at a price point within their budgets, and HAL Systems responded to this need with software that does the "non-standard" at a price you can afford. With HAL Systems, you don't have to be a big company with a big budget to have the most advanced technology for inventory, asset tracking, and other business management applications.

We also want you to know HAL Systems is more than software. By working with HAL Systems, you have the ability to consult with our team of industry thought leaders with more than 100 years combined experience in business process optimization, including Lean and Six Sigma, and who hold positions with industry organizations such as AIM, the automatic identification industry's worldwide association. Leverage our experience and skill to create processes that optimize your efficiency and productivity.

With HAL Systems, you will always receive exceptional support. HAL Systems software is distributed exclusively through a network of skilled partners to provide you with exceptional service in a timely manner from a responsive, local dealer who is close by.

We encourage you to read on for more information about HAL Systems and how our software *HAL Traxx* improves operations in a wide range of applications in a variety of industries.
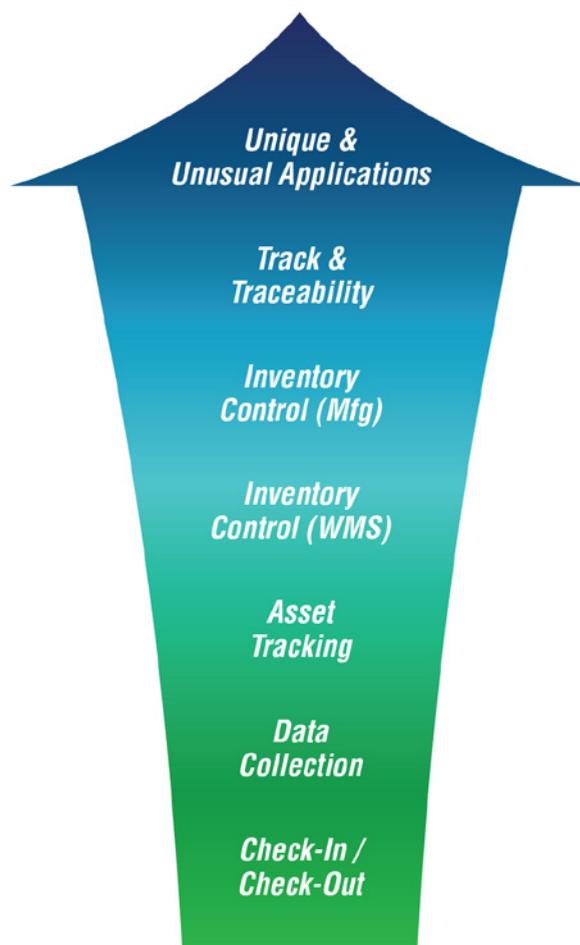
➜

HAL Traxx
➜ *Scalable, Flexible, Affordable*

After years of customizing software to meet specific business needs, HAL Systems developed a more efficient way of supporting exactly how our customers do business with easily configurable software: HAL Traxx.

Like interlocking building blocks that can be joined together to create unique structures, our software is comprised of a system of "software blocks" that can be configured to provide you with just the functionality you need. But unlike building blocks, our system unites components into a seamlessly integrated system that conforms to your operation and aligns with the order in which processes take place.

HAL Traxx isn't just a WMS, or just an asset tracking solution, an inventory management solution, or a WIP manufacturing solution. It can be any or all those things and more. Furthermore, HAL Traxx is easily scalable. You will never have to upgrade to a new platform — you can simply add features when you need them, including unique and unusual applications. And it's written in C# using and SQL database, so you'll never have to pay for underlying application or database licenses and be held hostage to elimination of product support for older versions.

Unique &
Unusual Applications

Track &
Traceability

Inventory
Control (Mfg)

Inventory
Control (WMS)

Asset
Tracking

Data
Collection

Check-In /
Check-Out

HAL Traxx Capabilities

If you aren't sure if the application you have in mind is possible, it's time to talk to us. We have the ability to rise to the most complex or unique challenges, successfully and affordably.

HAL Traxx: The Configurable Solution

➔ *Exactly What You Need for Your Business, Your Workflows and Your Workforce*

Glossary

HAL Traxx is preconfigured with common English terms that you can edit, but gives you the flexibility to change the language or to substitute terms most familiar to your workforce. You can also edit the onscreen HELP text to make it context specific for your employees.

Workflows

We support the steps of the processes in your operation, in the order you do them. Our software doesn't require that your operations conform to how a programmer thinks they should run.

Business Rules

We give you the option to set item and situation specific rules to facilitate seamless operations without employees having to learn and retain what to do under what circumstances. Set rules for fulfilment, packaging, shipments, delivery, and more.

Authorizations

HAL Traxx empowers you to grant access or permission by job level or certification to enforce safety, compliance or corporate rules.

Business Partners

Set guidelines to meet contractual obligations or preferences or to comply with rules or regulations. HAL Traxx can help improve all types of partnerships including those with vendors, customers, or internal organizations.

Images

HAL Traxx equips your team with the ability to associate images with records or tasks to make identifying or documenting asset condition easier.

HAL Traxx: Technical Advantages

Browser-Based

HAL Traxx operates using a web browser, so it works with virtually any handheld, tablet, or smartphone whether it uses Windows, iOS, Android, or Linux OS. There is no need to install software on the device itself. This makes a wider range of hardware options — in terms of both features and price —available for use in your operation.

Mobile Connectivity Options

Connect to HAL Traxx via Ethernet or Wi-Fi. Mobile devices with internet connectivity can also connect through their mobile networks, making HAL Traxx an ideal solution for your mobile workforce.

Input Method-Agnostic

Choose the optimal input method — barcode RFID, lookup, manual entry, etc. — for your operation. HAL Traxx accepts any or all of them.

Unlimited System Interface Options

Our in-house programmers can interface your HAL Traxx system with other business systems including ERP, factory automation, shipping carrier system, eCommerce portals, and accounting systems using any method (API, ODBC, transfer files, etc.). This will provide your business with greater efficiency and eliminate errors that can occur when transferring data from one system to another.

Tailor Reporting to Your Needs

We provide you with the flexibility to use HAL Traxx integrated reporting for common requirements or use SQL Reporting Service for custom reports that can access the entire database.

Applications

Based on our decades of industry experience and business process expertise, HAL Traxx is preconfigured for common applications and can be configured for unique or unusual applications.

Check In/Check Out

Control access to tools, electronic devices, medical equipment or any other asset class.

HAL Traxx Capabilities

- Use images to record item condition at check out and return.
- Restrict check out based on calibration or repair status.
- Restrict check out to employees certified to operate specific equipment.

Data Collection

Collect data on materials, machine uptime, service history, installation records or labor hours.

HAL Traxx Capabilities

- Track consigned inventory at customer sites.
- Document a correct installation with images.
- Track movement or count traffic through a checkpoint.

Asset Tracking

Automate the process of tracking mission-critical or high-value assets.

HAL Traxx Capabilities

- Track tools, equipment, inventory furnishings or other asset classes.
- Manage equipment deployments and consumed inventory in one application.
- Manage repair service parts and hours for reusable storage containers and other assets.
- Manage calibration, condition and service records of assets.

Inventory Control

Automate inventory level monitoring, work in process, orders, and delivery.

HAL Traxx Capabilities

- Provide business partners with a web-based portal for selected inventory visibility.
- Use cubing and weight functionality for warehouse management and truck loading.
- Enforce lot and date control requirements.
- Require a record of damage to control shrinkage.

Track and Traceability

Automatically maintain a record of source materials, movement through a process, delivery to customer, for complete audit trail.

HAL Traxx Capabilities

- Scan-to-batch of specific lots of raw materials to specific finished goods batches.
- Track unique raw materials and component parts.
- Trace individual finished good back to raw materials in the event of a recall.

Industry Expertise

For more than three decades, HAL Systems has successfully provided solutions that support operations in a variety of industries. And we have experience from other industries that we can apply to your application that other software providers that operate in only one "vertical" just don't have. We have expertise in your industry, workflow efficiency, and our software's capabilities, which enables us to create the optimal, unique solution for you.

Manufacturing

- Set business rules that restrict items or pallets over a certain weight to be moved only by employees that can drive a tow motor or require them to be stored only on the ground floor.
- Document the condition of raw materials from suppliers with images to support replacement claims.
- Track serialized components throughout the process.

Food and Beverage

- Lot and date control.
- Document breakage and tax stamps, with images, in alcohol distribution.
- Control mixes by number, volume or weight density for proper proportions, without requiring employees to perform calculations.
- Track and traceability: Scan uniquely labeled raw materials and scan throughout production and distribution so finished goods can be traced in the event of a recall.

Healthcare

- Monitor patient movement through the healthcare facility.
- Control pharmaceuticals by lot and date using RFID to meet state regulations.
- Track hospital equipment, furnishings, and supplies.
- Meet medical device Unique Device Identifier (UDI) requirements in accordance with regulation. Upload required data to GUDID.
- Confirm ambulances are properly stocked and all medications are current.

Transportation and Warehousing

- Provide kitting to order.
- Set 3PL business rules based on contract or partner agreements.
- Plan shipments to optimize space and load in reverse order.
- Scan during loading of sea containers in Asia in local language to confirm contents weeks before arriving in USA.

Field Service

- Provide field service personnel with special instructions such as passcode for gate entry, restrictions on time of service, or other customer instructions.
- Automate tracking time and parts usage on site and whether visit was covered under warranty.
- Automatically generate restocking of trucks based on usage.

Additional Industry Applications

- **Power and Petrochemical:** Track components issued to contractors during plant maintenance.
- **Film Studio:** Track props and quarantine for repair if damaged.
- **Educational:** Monitor the movement of students throughout areas of campus. Track furniture and IT equipment.
- **Government:** Manage readiness of emergency response equipment. Control delivery and calibration of voting machines.

Consulting and Support
➜ *Value Begins with the Right Processes*

If your objective for automating processes is to gain efficiency, the best place to start is with the process itself. If you deploy software to automate inefficient processes, the result, unfortunately, will still be inefficient processes.

Rely on HAL Systems' team with extensive business process expertise, including Lean and Six Sigma, to optimize your operation. A total solution from HAL Systems is process-engineering-centric. Begin your project with consulting services from our team to help you identify areas of inefficiency and waste, refine processes, and then craft the ideal software solution to support them — even for unique or unusual applications.

With more than 100 years combined experience optimizing processes in a variety of industries, the HAL Systems team will help you get the most value from your software investment.

Flexible Software Delivery

HAL Systems also offers flexible software delivery and invoicing. You have your choice installing on-premises software or using software hosted in the cloud on Amazon Web Services. Software licenses can be purchased and paid for up front or for an annual fee with a Software as a Service (SaaS) contract.

HAL Systems' Resellers Deliver What Others Can't

➜ *Personalized Service from a Local Provider*

HAL Systems is distributed exclusively by a network of skilled resellers who provide our SMB clients with expert, in-person service and support.

Our resellers are trained and certified, not only in our software, but also in associated and complementary technologies, such as LAN or WLAN installation and optimization, data collection hardware solutions, printer setup, and more. This ensures your business will have a total, integrated solution providing you with the features, functions — and results — you need.

Working with a local reseller can also remove some of the burden from your in-house IT staff and save time vetting new solutions or troubleshooting issues that may arise. When you need assistance, a local provider is just a phone call or short drive away.

With years of industry experience, HAL Systems resellers are trusted advisors to our customers when they are looking for guidance or information on industry trends. Of course, you can also count on HAL Systems consulting and business process expertise, giving you an entire team of resources to turn to.

Don't waste time talking to an automated system or waiting on hold for support. Choose HAL Systems and the benefits of working with a local reseller.

If you are interested in partnering with HAL Systems, download our reseller brochure and contact us at **770-927-0700** or **sales@halsystems.com**

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