

Market Guide for Yard Management

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Rising costs, carrier charges, labor constraints, and volatility spur innovation in yard management and related areas. Supply chain technology leaders must focus on the often-neglected YMS segment of logistics and operational technologies to gain quick wins in visibility and process improvement.

Overview

Key Findings

- Multiple disruptions, such as impacts from and responses to trade disruptions and ongoing conflicts, continue to exacerbate existing challenges with labor scarcity, fuel and transportation costs, and increased bottlenecks.
- These factors have driven a greater focus on yard and site efficiency, improved turnaround, and greater automation of activities. Yard management has often been underappreciated and underautomated, but the next wave of optimization is likely to bring warehouse management systems (WMSs), yard management systems (YMSs) and transportation management systems (TMSs) closer together.
- Shippers and third-party logistics (3PLs) providers want to extend transportation visibility to the yard and dock doors as well as rethink the flexibility of scheduling offerings.
- New players are emerging in the market, and existing YMS vendors are adapting new technologies and expanding their offerings and usability capabilities relating to check-in, kiosk, and yard and dock appointment scheduling needs.

Recommendations

Supply chain technology leaders responsible for logistics, warehousing, manufacturing, and yard operations should:

- Address current challenges in the gap between warehouse and transportation operations by investigating how a YMS can increase your company's yard visibility, optimize asset utilization, enhance transit flows for supplier and customers, and decrease costs.
- Determine if your yard requirements can be met with the built-in capabilities that your WMS and/or transportation solution vendor offers. If your requirements exceed those capabilities, look into YMS suite vendors with highly specialized solutions.
- Evaluate the features of a dynamic appointment scheduling solution and/or visiting driver and gate check-in applications to determine their suitability if implementing a comprehensive YMS is not feasible.
- Gauge whether the emerging use cases for advanced technologies, such as AI-enabled vision systems, are a good fit for your needs and yard environments.

Market Definition

A yard management system (YMS) supports the efficient flow of work, equipment and materials through the normally enclosed area outside of a warehouse, distribution center or manufacturing facility (known as the yard).

A yard management system (YMS) provides an overview of yard operations and supports the planning, direction, monitoring and control of activities. These include scheduling, moving, parking, inspecting and reassigning trucks, trailers and containers in the yard. YMSs are typically used to oversee the gate/kiosk, the yard itself and the inbound and outbound dock door scheduling activities. YMSs are often sold as extended modules of a warehouse management system (WMS) or as an independent suite, and sometimes as part of a transport management system (TMS). The gate, yard and dock components may be sold independently or as a combined solution.

Mandatory Features

- Yard visibility and tracking
- Yard asset/equipment management
- Yard management and task assignment
- Yard driver task assignment
- Dock and yard parking assignment constraints and capture

- Activity reporting
- Yard audit
- Check-in, validation and seal verification

Common Features

- Dock appointment scheduling
- Appointment scheduling portal
- Web portal for carrier/customer views of trailer pools
- Dynamic dock appointment scheduling based on ETA adjustments
- Gate check-in/gate management
- Automated number/license plate recognition (ANPR)
- Driver kiosk, self-service check-in
- Visiting driver queue management
- Real-time gate and yard status monitoring
- Inventory equipment aging/reporting
- Network (yard of yards) view and cross-site movement
- Visiting driver communication and alerts
- Yard driver mobile applications
- Integration with other systems like WMS, TMS, RTTVP
- Use and support of sensor technologies like RFID, AI-enabled vision and temperature sensors
- Hardware integration and supply
- Dwell time and carrier performance reporting
- Yard capacity planning
- Load/unload enablement

- Automated task assignment
- Automated task orchestration
- Yard simulation/digital twin

Market Description

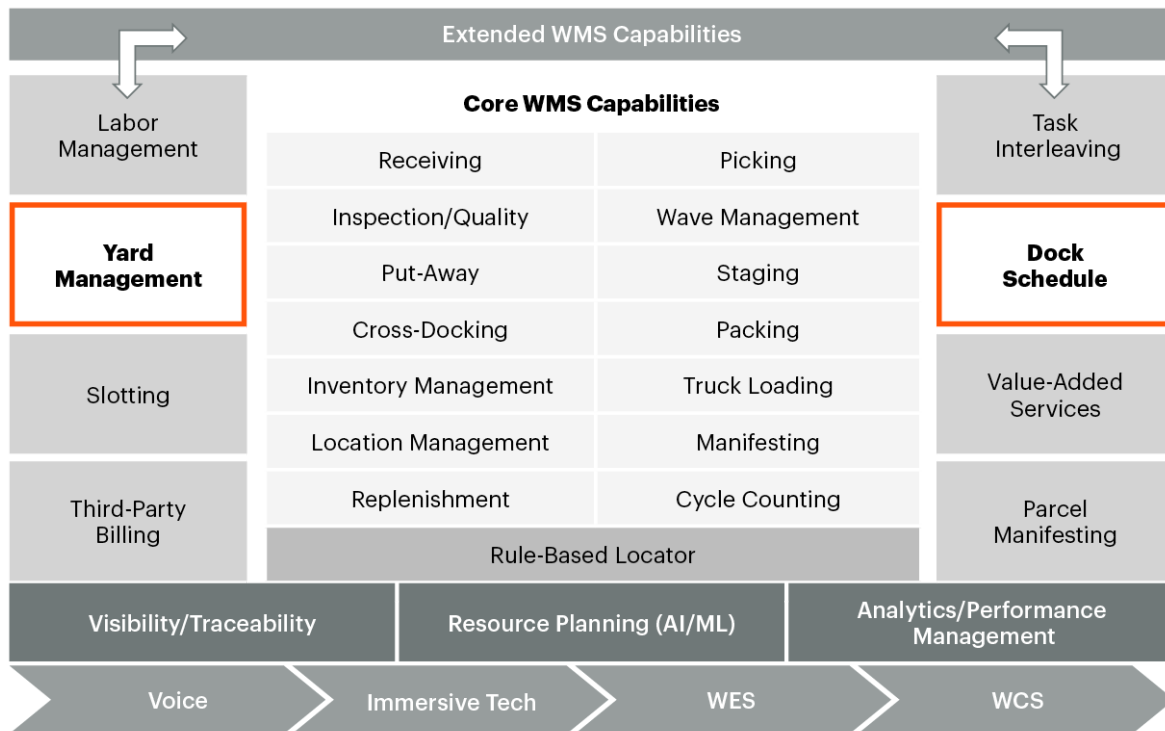
Yards have increasingly become an extension of the warehouse and a bridge with transportation in terms of synchronizing with dock doors for shipping and receiving. In many cases, companies are now using the yard as supplementary storage (see Figure 1). Coordinating and managing the flow and movement of vehicles and trailers throughout the yard (including the alignment of cross-docking activities) has become an important activity for logistics operations.

Yard management can be fairly rudimentary, where the application might simply note manual entries of asset movements entering and exiting the yard. However, yard management is becoming increasingly sophisticated for many organizations, starting with managing the movements in and out of parking spaces and expanding to the advanced use of real-time, asset-tracking technologies, such as trailer telematics, radio frequency identification (RFID), and related technologies (see [Magic Quadrant for Real-Time Transportation Visibility Platforms](#)). Recently, we have seen additional focus on computer vision, more specifically, AI-enabled vision systems to support gate check-in and yard environments (see [Innovation Insight: AI-Enabled Vision Systems](#)).

Basic YMS capabilities are often found as part of the extended capabilities of a WMS offering (see the components boxed in red within Figure 1), but can also be part of a TMS's or transportation visibility system's extended offering. Advanced YMS capabilities are also offered as part of some WMS offerings, but most often these are part of a stand-alone solution offered by a number of YMS specialist vendors.

Figure 1: Warehouse Management Capabilities Ecosystem

Warehouse Management Capabilities Ecosystem



Source: Gartner
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Gartner

Providers offering yard management and related capabilities can be divided into multiple categories, including:

- Application megavendors
- Real-time visibility platform vendors
- Supply chain management (SCM) suite vendors
- Specialized YMS suite vendors
- Yard service providers
- Specialist point solution providers

Many vendors in these categories may offer reasonable yard visibility solutions or related offerings. However, those profiled in this research are specialized YMS suite vendors, or vendors with significant core and extended yard capabilities that sell a significant number of stand-alone yard management deals separate from their other services or solutions, or demonstrate a differentiated regional offering.

We do not evaluate every ERP, WMS, TMS, visibility, or suite vendor's YMS capabilities in this research, even though these might address a particular customer's needs. For example, we do not feature all visibility vendors, but we include two such vendors who have acquired YMS solutions and continue to sell those stand-alone and have demonstrated a strategy for stand-alone YMS sales and market presence going forward. Additionally, yard service providers would not typically qualify, but YMX's independent solution development and recent acquisition of YMS provider, Yard Commander, warrant its inclusion. SAP, a megasuite vendor, is included due to significant growth and adoption of its stand-alone Yard Logistics offering and Gartner client demand.

Market Direction

Companies have put considerable effort into optimizing their processes in the warehouse and transportation. However, yard operations that connect transportation and, specifically, the truck to the warehouse, for both inbound and outbound operations, have not had the same level of focus and technology investment. Many yard operations continue to operate in a very manual and non-technology-driven way. The disruptions and bottlenecks that have occurred over the past few years have highlighted the gaps that exist in many yard operations. These disruptions have also accelerated interest by users in and adoption of greater automation and digitization by YMS vendors and point solution providers. This was initially driven by a focus on adhering to social distancing needs, but has evolved into a greater focus on improved efficiencies for visiting drivers.

Historically, Gartner has observed much less customer focus on yard management versus adopting a WMS to manage the movement of people and materials within the building itself. However, customer focus on yard improvements has gained pace in recent years, and Gartner has observed a continually growing number of client inquiries relating to the topic. WMS vendors have been attempting to keep pace with this demand, with many of them introducing enhanced yard offerings in the last two years. In an increasingly competitive WMS market, demonstrating stronger extended WMS capabilities, such as a robust, easy-to-use YMS, can be a differentiator for some. There has also been continued innovation and application modernization by specialist YMS vendors, and expansion of yard capabilities by visibility vendors who entered the market through acquisitions but have continued to invest in this area. Additionally, there has been the entry of some point solution providers covering individual aspects of yard management without offering the full solution. Some of these point solution providers are broadening their approach to encompass more yard management capabilities.

Companies are looking into YMS solutions to help close the supply chain gaps that exist in their own backyards, such as long trailer wait times, unproductive personnel numbers, poorly synchronized movement of goods and ineffective dock planning. There are many benefits to having a YMS, especially when it communicates to a WMS, TMS and/or RTTVP. Users with large fleets, a high volume of supplier and customer shipments, or those that suffer yard and dock door congestion, should review a YMS regardless of their WMS and transportation solutions landscape.

The type and size of the yard, number of vehicles and movements, or the number of yards that a company needs to control, often dictates the value that a YMS brings to the table. In some cases, security is the main driver behind the implementation of such a system. YMS solutions are still used mostly by large corporations with extensive yards that have many in-and-out movements. Additionally, organizations may wish to make their yards more efficient for visiting drivers so they are not deprioritized or charged higher fees compared to others. This way, carriers can schedule more cost-effective trips and drivers can make better use of their hours of service. This is increasingly important at a time of driver and labor resource constraints.

The YMS market is much smaller compared to the WMS and TMS markets, and historically has been a market that grows very slowly, although this is changing. A large percentage of basic YMS implementations are part of WMS engagements, but there are a growing number of smaller, independent software vendors that provide stand-alone and robust YMS offerings. We are also starting to see a greater number of WMS vendors beginning to offer yard management and dock scheduling solutions as stand-alone offerings.

North America is still the largest market for YMS (also the region with the largest number of specialist YMS vendors), followed by Europe. Asia/Pacific is the market with the most opportunity for growth in YMS in tandem with WMS.

The dynamics of yard management have changed over the last two years. While the traditional needs remain, we have seen a growth in innovation and a bifurcation of the market between further enhancements for YMS by WMS vendors, and greater depth and breadth of capabilities by yard management vendors. We have also seen more focus on yard management in regions outside North America, such as in Europe. There is also growth in point solution providers and startup companies focusing on aspects of yard as well as technological innovation and collaboration in the use of new technologies. These include the use of AI-enabled vision systems to support gate check-in, but also gradually evolving into deeper capabilities in yard management. This is evidenced by the efforts of vendors such as Blue Yonder in collaboration with its parent company Panasonic, Loadsmart following its acquisition of Navtrac, Reply's focus on computer vision to aid yard market expansion, the launch of Terminal Industries Yard Operating System deploying computer vision, and EAIGLE, a yard solution provider deploying AI-enabled vision systems to support automated vehicle access control (AVAC), yard spot location monitoring, and audit (YardSight) and loading dock optimization (ValidPallet). EAIGLE has been expanding its collaboration with a number of YMS and yard ecosystem vendors through its Yard Alliance program.

Many vendors in this year's [Magic Quadrant for Warehouse Management Systems](#) (such as Blue Yonder, EPG, Generix, Infor, Infios, Made4net, Manhattan Associates and Reply), and some of those in our Magic Quadrant context reports, such as Avectous, Consafe, Mecalux, Replica Sistemi, and Royal 4 Systems, have been enhancing their yard management capabilities. Some WMS vendors are also beginning to deploy YMS independently of their other offerings. See [Europe Context: Magic Quadrant for Warehouse Management Systems](#), [Asia/Pacific Context: Magic Quadrant for Warehouse Management Systems](#), [Midmarket Context: Magic Quadrant for Warehouse Management Systems](#), and [Automated Material Handling Equipment Provider Context: Magic Quadrant for Warehouse Management Systems](#) for more information. There continues to be significant testing of autonomous yard vehicles to facilitate operations.

YMS specialist vendors continue to differentiate in the breadth and depth of yard capabilities and their support for networks of yards, the "yard of yards."

Innovation continues in and around yard operations: This is primarily driven by YMS vendors themselves, increased focus by megavendors, continued improvements by WMS vendors, and optimization of appointment and dock scheduling by TMS vendors. This trend is also being supported by continued involvement of real-time transportation visibility vendors in the yard and alternative niche vendors that focus on specific activities to optimize, such as kiosks, unloading or gate control. The range of use of sensor technology and process-driven activities also varies significantly by vendor. Users should consider which particular yard processes and activities they are seeking to resolve before finalizing their preferences in this area.

Another trend has been the growth of yard management as a service. These combined services (such as spotting labor and equipment), solutions and technology offerings have been led by providers like Lazer Logistics and YMX Logistics in North America.

There have been a significant number of acquisitions, partnerships, investments, and new companies and solutions formed in the yard space in the last few years. These include:

- In October 2025, Royal 4 Systems launched Titan, its new stand-alone YMS for enterprise customers. This brings additional features and functions and is being offered stand-alone, whereas Royal 4's existing YMS has only been deployed embedded with its WMS to date
- In May 2025, private equity firm BVP Forge announced a significant investment in Vector, a yard and related solutions provider, in order to accelerate growth and innovation.
- In May 2025, Westernacher Consulting, an experienced implementer of SAP's Yard Logistics solution, released its own yard management offering, WeYard. It is built in SAP's programming language ABAP and can be deployed with SAP ECC or S/4HANA for customers of SAP's solutions. They intend to be able to deploy this new offering within approximately 12 weeks.
- In March 2025, EPG, a WMS/logistics solutions provider that also offers its dock appointment scheduling solution independently, acquired byways, a Germany-based dock appointment scheduling and yard management solution provider.
- YMX Logistics was founded by yard industry specialists in January 2024 to provide yard logistics services and solutions as a combined package. In the same month, YMX acquired Kutzler Express, a yard logistics and trucking provider founded in 1929. In January 2025, YMX Logistics acquired Yard Commander, a Canada-headquartered YMS vendor founded in 2011.

- In September 2024, Blue Yonder launched a significantly updated version of its YMS. This included leveraging camera vision and machine learning technologies to facilitate gate and yard activities.
- In July 2024, Kaleris acquired CAMS Software, expanding its transportation capabilities and yard management opportunities in the grocery industry. This followed its July 2021 acquisition of terminal/container management vendor Navis and the April 2021 merger of numerous Kaleris acquisitions. These included PINC, RailcarRx and Wabtec's TMS solutions, all rebranded as Kaleris. Prior to the rebranding, the former yard management solutions provider PINC (now Kaleris) had secured a significant growth equity investment from private equity firm Accel-KKR, which backs Kaleris.
- In February 2024, Chamberlain Group, an intelligent access provider, expanded its myQ Ecosystem with the launch of myQ Enterprise, expanding dock management and related yard management capabilities.
- In December 2023, GoRamp launched its yard management system, GoRamp YMS, which was designed for rapid adoption, complementing its existing carrier appointment, dock scheduling and freight management capabilities.
- In November 2023, Lazer Logistics (formerly Lazer Spot) acquired Hirschbach's Spotting division and its workflow management software – Spotlight. In March 2023, the EQT Infrastructure VI fund agreed to buy Lazer Logistics (formerly Lazer Spot) from Harvest Partners. In March 2020, Lazer Spot (a provider of spotting services and YMS implementations in North America) acquired PHB Transport, also a trailer-spotting and short-shuttle service provider in the U.S. This followed Harvest Partners' December 2019 acquisition of a majority stake in Lazer Spot.
- In September 2023, Loadsmart, a transportation solutions provider offering digital freight brokerage, managed services, and logistics technology, acquired Navtrac, an AI-powered computer vision company specializing in yard, terminal and asset management.
- In July 2023, Terminal Industries was founded by investors 8VC, Lineage, Ryder, NFI and others, offering its Yard Operating System, a combination of yard management capabilities supported by AI-enabled vision.
- In May 2023, Manhattan Associates announced its redesigned Manhattan Active Yard Management solution. When deploying Manhattan's WMS and TMS (on its unified platform), it combines warehouse and transportation planning and execution.

- In January 2023, leoquantum was carved out as its own entity from the SAP partner leogistics (also a part of the Materna group) after developing and providing the myleo / dsc platform since 2018.
- In 2023, U.K.-based software development company, Sauce, developed its yard solutions offering, Yard Ops.
- In December 2022, Trimble acquired visibility vendor Transporeon.
- In November 2022, EAIGLE (founded as a retail security-focused AI vendor in 2018), released its AI-enabled vision systems platform to support security, transportation and operational challenges in yard management. It subsequently formed the Yard Alliance, incorporating multiple YMS and other related vendors.
- In December 2021, visibility vendor project44 acquired YMS vendor MindLogic.
- In November 2021, FourKites formed a partnership with Zebra for hardware and software dedicated to addressing challenges in the yard. This followed FourKites' acquisition of the yard management solutions portfolio from TrackX in March 2020.

Market Analysis

Shorter transportation lead times and increasing transportation costs (accelerated by increased fuel costs) push companies to increase their efficiencies in the yard, as time spent on a yard can be unproductive and costly. More regulated hours of service and an increasing driver shortage have a negative impact on the total number of hours trucks are on the road at any given point. Consequently, it becomes even more critical for shippers to find time savings elsewhere in their supply chains. Boosting throughput by using a YMS means trucks spend more minutes with their wheels turning.

Shippers working with “yard of yards” scenarios. For example, a manufacturer has one yard at its plant and other, multiple yards at its distribution centers. Shippers also look more closely at YMS as a way to manage their complex distribution operations, even when not deploying a WMS at all sites. YMS allows for more visibility over multiple locations versus just a single viewpoint of one yard.

Vendors are increasingly turning toward technology to build capabilities and augment their YMS offering with attractive features to support their customers' use cases (see Table 1). Vendors demonstrate significant reductions in operational costs, charges from carriers and process improvements when users adopt system-driven and system-suggested activities, and accurate reporting where these had previously been manual and inaccurate. Additionally, vendors use technologies, such as the Internet of Things (IoT) and sensor-based frameworks, to have a real-time view of logistics operations. Some vendors even experimented with drones to track assets in the yard, although this is now minimal, typically replaced by yard trucks with sensor technology. YMS vendors also create partnerships and integrations with other technologies to link sensor-based data collection devices to the YMS applications.

Table 1: Key Use Cases for YMS

(Enlarged table in Appendix)

| Use case | Benefits |
|---------------------|--|
| Process improvement | <ul style="list-style-type: none"> ■ Automation of yard processes and increased accuracy. ■ Improvement of check-in and check-out processes. ■ Improvement of the flow and direction of materials through a facility to best support the utilization of yard and warehouse labor. |
| Visibility | <ul style="list-style-type: none"> ■ Visibility to the yard operations and assets. ■ Elimination of "lost" trailers. ■ Visibility to product inventory in the yard. |
| Cost reduction | <ul style="list-style-type: none"> ■ Reduction of detention and demurrage expenses. ■ Reduction of idle rental. ■ Reduction of idle dock labor. |
| Carrier analysis | <ul style="list-style-type: none"> ■ Assessment of carrier commitments and on-time performance. ■ Tracking of carrier wait time and unload time. |

Source: Gartner (October 2025)

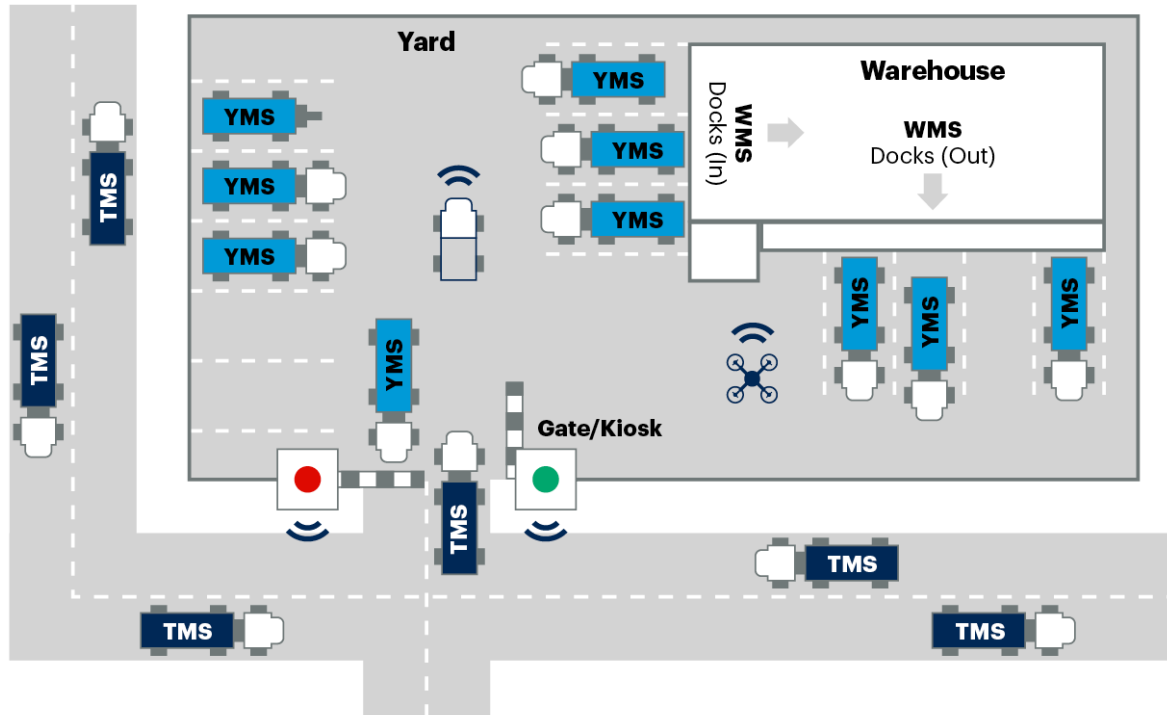
The value of the YMS often varies by industry vertical. For e-commerce retailers, velocity is everything, while a manufacturer values knowing where its inventory is in the yard to feed the production line. Retail distribution values on-time deliveries that drive customer satisfaction (see Table 1). Additionally, when delivery schedules are disrupted, causing increased waiting times, specific industries, such as food service distribution, may heavily value support for niche capabilities, such as refrigerated container temperature and fuel monitoring to reduce spoilage costs.

Capabilities

Figure 2 illustrates the typical interplay between TMS, YMS, and WMS solutions in a simplified view of a yard. YMS can operate as a stand-alone solution, or it can be integrated with either or both WMS and TMS. Or, in some cases, it can operate as a solution or separate module provided by WMS and transportation technology vendors. We have also seen yard management solutions used in complex yards to serve manufacturing operations, even where a WMS or TMS is not present. In some cases, materials flow directly from a yard to a manufacturing production shop floor; an effective yard solution and dynamic appointment scheduling tools can be critical in these environments.

Figure 2: Interplay Between a TMS, YMS and WMS

Interplay Between a TMS, YMS and WMS



Source: Gartner
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Gartner

As Figure 2 shows, there are three key areas of functionality specifically related to yard management:

- The gate/kiosk
- The yard
- The loading docks/bays (inbound and outbound dock doors)

Gate/Kiosk

This functionality relates to managing the access of vehicles and equipment entering and leaving the yard, and alerts the system of the specific arrival of vehicles to trigger the next action. Depending on the environment, the gates can be manned or unmanned, and, in some cases, fully automated with kiosks. Gartner has identified increased interest from end users in automating this process to speed up the check-in process. Some systems support both manned and unmanned environments, and can act as the communication point with the driver, provide on-site instructions, and register the load as on-campus or within the yard. Gartner has also observed the emergence of point solutions, specifically in this area, without offering full yard management capabilities.

Yard

This functionality relates to determining the location of vehicles, trailers, and containers that need to be parked prior to or after unloading or loading. It also involves auditing the equipment and inventory. In addition to deciding the location of vehicles, trailers, and containers, a YMS determines where the equipment moves and may also determine the best locations and dwell times.

Yard capabilities are used to view, manage and amend the entire yard operation or network of operations, the yard of yards. This includes planning and directing the work of yard jockeys, yard dogs, yard goats, mules, hostlers, switchers, or shunters, who move trailers to and from the dock doors and trailer parking spots. The yard jockeys also move trailers around in the yard or across multiple yards on a campus. In some cases, a carrier can deliver directly to, or pick up from, a dock door. However, in many cases, trailers have to be parked, and yard jockeys are then responsible for finding and moving the trailers as needed. Without a system, they often waste time trying to find lost trailers in the yard and moving from task to task in an unstructured manner, directed by radio. The YMS, however, communicates with the yard jockey using mobile technology.

Loading Docks/Bays

This functionality relates to scheduling and directing specific vehicles to specific dock/bay doors. This depends on the availability of bays, the availability of labor (sometimes) and the best positioning of deliveries, given the proximity of put-away locations within that warehouse operation. It can also work in conjunction with the yard-focused elements to manage the dwell time and incorporate the urgency of the shipment. Sometimes, this can also be provided by appointment scheduling solutions that enable the efficient scheduling of appointments between the loading location and the carrier.

Some YMS vendors provide individual modules for each of the three areas, while others combine two or all three into a single solution. Additionally, some WMS and TMS vendors may include one or more of these modules within their packages or offer them as optional add-ons.

Some niche providers offer solutions or services specific to yard-related scenarios, but do not meet all of our criteria.

Representative Vendors

The vendors listed in this Market Guide do not imply an exhaustive list. This section is intended to provide more understanding of the market and its offerings.

Vendor Selection

The detailed vendor write-ups provide information on the YMS vendors that are perceived as relevant in the market based on revenue, number of clients, and end-user interest and feedback. These vendors also provided information to Gartner via detailed surveys and vendor briefings (see Note 1).

WMS vendors whose yard management offerings were previously featured in this market guide include Blue Yonder, Consafe Logistics, Infios (formerly Körber), Manhattan Associates, NCR, Oracle, Reply, and Royal 4 Systems. Noninclusion in this research is not a reflection on the capabilities of these or other WMS vendors. While some of these vendors are now beginning to sell independently, this research is focused on vendors who routinely sell and implement YMS solutions independently of their other offerings in significant numbers. Additionally, the growth in stand-alone YMS specialists has impacted this market.

Gartner also takes into account vendor customer, and Gartner client interest and engagement, using both internal and external sources when considering inclusion in this market guide.

Table 2: Representative Vendors in Yard Management Systems

(Enlarged table in Appendix)

| Vendor ↓ | Product, service or solution name ↓ | Type/category ↓ |
|---------------------------|---|---|
| C3 Solutions | C3 Yard, C3 Reservations, C3 Hive | Specialized YMS Suite Vendor |
| Exotrac | YardTrac Pro, YardTrac Lite | Specialized YMS Suite Vendor |
| FourKites | AutoGate, Dynamic Yard, Dynamic Yard Advanced, YardWorks, AutoBooker | Real-Time Transportation Visibility Platform Vendor |
| GoRamp | GoRamp YMS, GoRamp Dock Scheduling and Time Slot Management System | Specialized YMS Suite Vendor |
| Kaleris | Kaleris YMS, EVP | Specialized YMS Suite Vendor |
| Leoquantum | myleo / dsc | Specialized YMS Suite Vendor |
| Loadsmart (Navtrac) | Opdock, Opdock YMS, SmartGate | Specialized YMS Suite Vendor |
| Peripass | Peripass: Quickstart Bundle, Basic Bundle, Plus Bundle, Pro Bundle, Compliance Bundle | Specialized YMS Suite Vendor |
| ProAct International | Yard Management for Finished Vehicles, Yard Management for global Multi-Modal/Multi-Site and Yard Management for Cross Dock | Supply Chain Management (SCM) Suite Vendor |
| project44 | Appointment Management, Yard Visibility, Yard Management, Yard Automation | Real-Time Transportation Visibility Platform Vendor |
| SAP | SAP Yard Logistics | Application Mega Vendor |
| Terminal Industries | Terminal YOS: SmartYard YMS | Specialized YMS Suite Vendor |
| Vector | Vector Connected Yard | Specialized YMS Suite Vendor |
| vTradEx | vTradEx YMS | Supply Chain Management (SCM) Suite Vendor |
| Yard Management Solutions | Yard Management Solutions, YMS Version 2 | Specialized YMS Suite Vendor |
| YardView | YardView YMS | Specialized YMS Suite Vendor |
| YMX Logistics | YMX OS: YMX Yard Management System, Yard Commander | Specialized YMS Suite and Yard Services Vendor |

Source: Gartner (October 2025)

Vendor Profiles

C3 Solutions

C3 Solutions is a focused logistics software company offering yard management (C3 Yard), dock appointment scheduling (C3 Reservations) and last-mile visibility through check-in/estimated time of arrival (ETA)/information exchange between drivers, carriers and facilities and use of geofencing (C3 Hive). C3 Yard and C3 Reservations can be used independently or combined and are part of the same platform (C3 Hub). C3 Hive is dependent on C3 Yard or C3 Reservations being present. C3 Yard is a web-based YMS that provides control, optimization and visibility to gates, yards, assets and jockey drivers. It has a significant number of unique customers, many of whom use it across multiple sites, and its solutions are deployed across almost 2,000 sites. C3 Yard also offers integration capability with other supply chain systems via standard web APIs and partners with EAIGLE to provide AI-enabled vision system check-in and check-out, and also partners with security integrators. C3 offers a progressive web application (PWA); compatible with iOS and Android platforms, there is no need to download it from an app store. All functions of the application are available on both mobile and desktop.

The vendor's C3 Hive ecosystem offers functionality to check in and communicate with drivers both over the road and on-site, easily within their browser. The solutions are widely deployed in the grocery, retail, manufacturing, logistics and parcel post industries, among other industries with high-volume yards. C3 Solutions provides a single-tenant cloud platform that is fully scalable for yards of all sizes via a subscription. Its latest enhancements include its Dynamic Dashboard, improving usability for yard and reservations analysis, and in 2023, it secured ISO27001 certification. The vendor has a solid customer base with highly complex and multisite yard operations supported by its enterprise-level view of all yard operations, with the ability to initiate transfers between sites. It is also integrated natively with multiple telematics providers to exploit geofences to give real-time insight into ETAs for vehicles on-site, so the systems can be altered dynamically and site information sent to visiting drivers before arrival.

Exotrac

Exotrac provides YardTrac, a cloud-based YMS. This is offered in its advanced form as YardTrac Pro and is typically highly customized depending on clients' needs. Exotrac also offers three versions (differentiated by complexity) of its off-the-shelf version called YardTrac Lite. The YardTrac Pro solution provides real-time trailer pool data, asset visibility and process management tools. It is deployed in environments using bar code labels, sensors, RFID or BLE tags, depending on suitability. For mobile, it has native applications in Android and iOS, and responsive web apps. It also supports text messaging of status updates to visiting drivers from its application while at the client facility. Exotrac remains device-agnostic, but when required, can support clients by providing devices such as smartphones, tablets, tags and scanners. Recent enhancements include dock inspection with pictures, customized mobile checklists and support for optical character recognition (OCR) and rail car inventory management. Exotrac is in the process of deploying an AI model to detect damages and alert users based on its existing library of thousands of images of damaged assets captured by its inspection module. It also now offers a full concierge kiosk for check-in/check-out with remote support. YardTrac Pro utilizes 4G, 5G and Wi-Fi technology for connectivity and can be integrated with legacy systems, ERP, WMSs, TMSs and MESs through APIs, secure FTP, or RESTful web services. Exotrac's pricing is subscription-based, dependent on the number of sites and input users. There is no charge for casual users, such as visiting drivers. This usage is incorporated within the site license. Exotrac is deployed at over 110 sites with over 60 unique customers. Exotrac supports a wide range of key performance indicator (KPI) reporting, arrival/departure tracking, yard checks, yard jockey, and specialized reports and alerts, dependent on customer needs. Its solution is implemented by 3PL partners and/or Exotrac personnel as needed.

FourKites

FourKites identifies itself as a provider of supply chain orchestration solutions. It offers a real-time, predictive visibility and exception management platform for shippers, carriers, 3PLs and freight brokers. In 2020, FourKites acquired the yard management solutions portfolio from TrackX, and in November 2021, it formed a partnership with Zebra for hardware and software dedicated to addressing challenges in the yard. As a result, FourKites built a fully integrated, cloud-based yard management solution – called Dynamic Yard – that expanded upon the underlying technology of Zebra’s MotionWorks Yard and TrackX with real-time visibility. With these changes, and with Zebra partnering as a reseller for the offering, FourKites acquired a number of customers and yard experts. Under FourKites YardWorks umbrella, it offers three versions of its yard solution: AutoGate for smaller, less complex sites, and Dynamic Yard, which adds parking spot-level trailer visibility and digitized spotter workflows and task management. For larger and more complex sites, it provides Dynamic Yard Advanced, which adds trailer monitoring through RFID and more extensive reporting. All versions of the software offer automated gate functions, high-level and granular trailer visibility, detention monitoring and reporting.

Dynamic Yard is natively integrated with the FourKites Intelligent Control Tower ecosystem and is deployed across approximately 80 customers at 450 sites. The majority of these customers are based in North America, but it has some customers in Europe and Latin America. It leverages RFID, GPS and sensor technologies to automate workflow and events across yard operations and connect them with data from outside the yard. To further expand its presence and capabilities, it partners with select organizations to offer advanced yard solutions, such as integrating with camera devices and kiosks, and to support rapid deployments. Integration of real-time tracking data and predictive ETA capabilities is intended to help companies dynamically sequence gate operations, hostler work assignments, and dock and appointment scheduling based on predictive truck arrival. The integration allows for automation of key functions, including check-in/check-out, by using geofencing capabilities to automatically register when a tracked asset has arrived. The system also now provides missed check-in/check-out support, CTPAT security compliance and enhanced detention monitoring.

The solution comes with an optional appointment scheduling platform (AutoBooker) through which carrier appointment setting is automated, while the ETA engine automatically triggers rescheduling based on the expected accuracy of an inbound asset, saving dock crews time and reducing truck queues on-site. FourKites’ AI agent, Alan, automates scheduling off-premises for shippers, interacting with both customer and vendor portals, email communications, and phone calls.

Dynamic Yard is a multitenant SaaS by default and can be deployed on Amazon Web Services (AWS) and Microsoft Azure.

GoRamp

GoRamp was founded in 2017 to facilitate carrier appointments, dock scheduling and freight management. In December 2023, it launched its yard management system, GoRamp YMS, which was designed for rapid adoption. Its features include automated gate management, visitor driver training and safety checks, driver task management, and automated workflows. The solution also provides carrier performance analysis, detention fee tracking, asset dwell time, and yard jockey task performance, as well as driver communications within the application. It provides real-time yard visibility, advanced appointment scheduling, gate management, yard jockey/shunter and shuttle management and driver communications within the application. GoRamp also has a specific focus on enabling communications and onboarding for carriers and SMBs, especially for those where supply chain visibility solutions and EDI connections may be expensive. As well as its yard management system, the vendor offers two other modules that can be sold stand-alone or combined with the YMS. GoRamp Freight Management System (FMS) integrates carrier sourcing, tracking, and routing, and streamlines invoicing for shippers, freight forwarders and logistics providers. GoRamp Dock Scheduling and Time Slot Management System allows carriers to book their own appointments ahead of time, either to a fixed dock or one that can be confirmed on arrival. This module also provides visibility of inbound and outbound orders. GoRamp has about 50 employees, with the vast majority based in Lithuania. GoRamp serves customers globally, with a significant presence in North America, while maintaining strong operations in Europe and beyond. It claims a large number of customers deployed across hundreds of sites and 10 industries, with thousands of GoRamp users.

Kaleris

Kaleris (formerly PINC) provides a cloud-based real-time location system (RTLS) and IoT-focused YMS, offering both SaaS and hardware as a service (HaaS). Kaleris' other solutions include multimodal transportation management, maintenance and repair operations management for railcars, chassis, and containers, and port and terminal management. Its supply chain execution visibility platform (EVP) leverages the data from these systems to optimize the flow of goods through the supply chain. The YMS optimizes trailer movements, dock scheduling, yard operations and functions performed by yard workers and administrators. It combines an IoT sensor network, real-time GPS, RFID, and optical and cellular technology, making it a system for providing real-time visibility and orchestration of yard operations and assets. Its live spotter displays tracks and records all yard truck movements, helping resolve asset inventory discrepancies. Kaleris is introducing AI and ML into its YMS to enable optical character recognition (OCR) and vision technologies to increase gate velocity for both facility and driver self-check-in while maintaining data quality.

Kaleris optimizes yard operations with real-time tracking of dock doors, trailers and parking slots, and reduces detention and demurrage through its accessorial management functionality. It is suitable for small, medium and large enterprises, configurable to facility size and use-case requirements. The YMS enables management of the location, state and status of assets across multiple yards. It collaborates with external parties, including carriers, customers, vendors, suppliers and 3PLs, by provisioning controlled guest access for self-service functionality, such as visibility to current asset inventory, reporting and notifications, and online appointment scheduling. Kaleris' EVP in the YMS provides in-app reporting as well as connectivity to external business applications via API for a holistic view of all yards in an organization's network for KPI tracking. Kaleris has over 90 YMS customers deployed across almost 400 sites. Most customers are based in North America, with a few in Europe. Implementations are supported by the global Kaleris professional services team, three partners in North America and another in EMEA. Recent system enhancements include improvements in features for gate automation/kiosk capabilities, driver communication, accessorial charge management, analytics, slot booking/appointments, dock management and tighter integrations with external WMS and TMS providers, as well as Kaleris offerings. Innovations expected through 2026 include further deployment of AI/ML to support predictive analytics and agentic AI-managed workflows, continued integration with solutions across the Kaleris portfolio, plus additional theft prevention and safety functionality.

leoquantum

leoquantum is a specialist yard-centric supply chain management vendor based in Germany and is a part of the larger Materna Group. leoquantum's platform, called myleo / dsc, offers solutions based on a yard-centric approach, offering collaborative process solutions for inbound through yard management and to outbound. leoquantum was carved out as its own entity in January 2023 from the SAP partner leogistics (also a part of the Materna group) after developing and providing the myleo / dsc platform since 2018. Leoquantum's YMS has been designed to be provided stand-alone, and it can also be deployed with its other solutions, named slot and supplier management and carrier collaboration. To support end-to-end processes, myleo / dsc can be integrated into ERP, TMS, and WMS software, including SAP products. Leoquantum has approximately 50 YMS customers deployed across over 150 sites in 10 European countries. Its platform supports eight European languages, with driver communications configured to support 17 European languages to date. The vendor has 70 YMS-focused employees but can also exploit Materna group resources if required. myleo / dsc is a microservices-based multitenant cloud suite deployed on AWS and offered as a monthly subscription including support, process solution and transaction fees. The solution offers native dock appointment scheduling (or by integration with third-party solutions already used by customers), mobile and kiosk-based check-in and check-out, including camera-supported license plate recognition. leoquantum delivers kiosk terminals and cameras through partners, but can also integrate customers' existing hardware (such as barriers, scales, and gates) to myleo / dsc using its integrated IoT framework. Truck drivers are routed through mobile communications on the yard. The solution also offers some task and trailer management capabilities, including hostler work assignment and yard inventory management. The myleo / dsc supplier management solution integrates suppliers on the platform to enable them to manage orders and transport notifications, including goods and packaging information to the yard. Carriers can also be onboarded using the carrier collaboration solution to be part of the suppliers' tendering process and to provide transport status information to the yard. So myleo / dsc acts as a collaboration platform that can be used stand-alone for dock and yard management and be extended to provide end-to-end processes from suppliers via carriers to the yard in both inbound and outbound scenarios. The platform includes a data lake and an AI framework to provide insights into process transparency and efficiencies.

Loadsmart

Loadsmart is a transportation solutions provider offering digital freight brokerage, managed services, and logistics technology. Founded in 2014 as a digital freight brokerage, the company now supports more than 180,000 registered carrier users and over 4,000 warehouses through its dock scheduling platform, Opendock. Of Loadsmart's 400 employees, around 40 are dedicated to dock and yard management. Opendock began as a specialized dock appointment scheduling solution and has since expanded into a more comprehensive dock and yard management offering. This growth accelerated in 2023 with the acquisition of Navtrac, an AI-powered computer vision company rebranded as SmartGate and integrated into Opendock. SmartGate enables automated driver self-check-in, enriched YMS event tracking, and real-time appointment status, stronger yard security and claims handling, and compliance tracking for California-based regulations for the Warehouse Indirect Source Rule (ISR) mandates. Together, Opendock with SmartGate provides a combined dock, yard and gate management offering. Current features include asset tracking and move initiation, with yard jockey and spotter task automation launching in 2Q25, and continued innovation planned through 2026. Customers can adopt solutions individually or as an integrated offering, including dock scheduling, yard management and gate automation. While most customers are based in North America, Loadsmart is expanding internationally to meet global demand.

Peripass

Peripass is a specialist yard management suite vendor. Its YMS is built in a modern cloud-native microservices architecture and is deployed as a multitenant cloud solution in Microsoft Azure. The vendor has about 100 employees and has grown rapidly to approximately 200 customers deployed across 500 sites, with most of its growth from manufacturing operations gaining benefits from yard optimization. Most customers (and Peripass's five office locations) are based in Europe, but it has a few customers in the U.S., Latin America and Africa. It has robust yard management capabilities from automated/self-service gate check-in/kiosks for visiting drivers, site access and communication, yard task management, and yard asset management through to document handling and hardware implementation and support. Peripass provides a modern UI for shunter drivers and administrators managing all yard activities. It also provides enhanced safety and compliance, including ID verification supporting Transported Asset Protection Association (TAPA), Authorised Economic Operator (AEO) and International Ship and Port Facility Security (ISPS) standards. While Peripass does not offer appointment or dock scheduling, it has partnerships with leading European slot booking vendors such as Transporeon, Alpega and Shiptify for these capabilities and can integrate with other solutions, WMSs, TMSs, ERPs and manufacturing systems.

Peripass offers its YMS as a subscription in five bundles: Quickstart Bundle, Basic Bundle, Plus Bundle and Pro Bundle. The fifth bundle is its basic Compliance Bundle, ideally suited for smaller, lower complexity sites across a network, ensuring consistency of activities, such as self-service kiosks, safety certification, driver communication, system integrations and management overviews. Recent enhancements include its multisite “yard of yards” view, driver queue management, automatic translations for all driver interactions, mobile registrations/pre-check-in using smartphones and decision intelligence automating up to 90% of typical yard decisions. It also released its Quickstart offer so clients can get up and running with basic yard capabilities within a month, as well as a “plug and play” rental kiosk. In addition to its software offering, Peripass also has standardized hardware offerings with trusted installation partners for equipment, such as indoor and outdoor kiosks, and security barriers. Peripass centralizes the SLAs and billing of services. It deploys its own team for software implementations, and partners with Deloitte for global rollouts and consultancy services.

ProAct International

ProAct International is a supply chain software company offering enterprise supply chain management technology, supply chain orchestration, supply chain execution, finished vehicle logistics and yard management solutions. Its particular focus is on the specific needs and requirements of finished vehicle logistics (FVL). Its YMS is part of its Enterprise Supply Chain Digitalization Suite (ESD) that offers three distinct options: Yard Management for Finished Vehicles, Yard Management for global Multi-Modal/Multi-Site and Yard Management for Cross Dock. Each YMS is offered as a stand-alone product. It provides mobile capabilities for Android and IOS devices to support activities such as job assignment, vehicle/equipment movements, inspections, loading and unloading and work order management. It provides visibility through mobile device positioning or vehicle GPS data and offers flexibility to integrate with other technology partners, such as visibility platforms (including its own) and telematics vendors, and ease of solution configuration. The YMS is offered primarily in a cloud environment through use of AWS, with on-premises as an option. The vendor focuses primarily on automotive/finished vehicle yard management and multimodal transportation, but it also has a presence in other sectors. ProAct also provides solutions for other industries, such as oil and gas, steel and petrochemicals. It provides visual aids to trailer-specific data and contents, and a map-based proximity view for operatives. ProAct provides specific support for various yard types, including port yards, rail yards, truck yards and multimodal transship yards. Due to the demands of its primary industry, it supports new and used vehicle processing and also supports maintenance/damage management, electric car charging prompts, and automotive telematics data, activity and storage.

project44

project44 identifies as a supply chain decision intelligence platform vendor with over 800 total customers across its portfolio (with a smaller number of YMS customers). It leverages AI to automate decision making across four integrated product families – intelligent transportation management system (iTMS), YMS, visibility, and e-commerce logistics – which work together to enable data-driven decisions and optimize supply chain operations for shippers, carriers, 3PLs and freight brokers. project44's YMS solution, enhanced through strategic acquisition, predominantly serves customers in North America and Europe. It has more than doubled the number of yard sites deployed per customer in the last two years. project44's YMS was built on a modular, microservices architecture and is closely integrated with the company's broader decision intelligence platform. The solution is offered in four progressive bundles: Appointment Management, Yard Visibility (incorporating asset management), Yard Management, and Yard Automation. Each tier includes all capabilities from previous levels, with Yard Automation adding IoT-enabled features such as automated parking spot rules, workflow automation, and dock door spotting. These can be offered as stand-alone products, individually or in combination. The YMS integrates with project44's iTMS, enabling users to book carriers and appointment slots simultaneously. When carriers check into the yard, arrival milestones are automatically shared with project44's Movement platform, supporting end-to-end shipment visibility. project44's platform features dynamic ETAs that adjust based on real-time conditions, assisting the coordination of yard activities. Additionally, the system includes kiosk functionality for low-touch or no-touch entry into the yard and employs an intelligent scheduling engine to prioritize shipments and optimize dock assignments and yard operations.

project44's configurable "smart-task" orchestrator increases dock utilization, spotter driver efficiency, and reduces deadheading and fuel consumption. The orchestrator leverages data to make intelligent decisions about trailer positioning, dock assignments, and workflow sequencing based on shipment priority and yard conditions. project44 has also been piloting computer vision technology to automate arrivals and departures at multiple yard sites and has been building support for container stacking management and CTPAT compliance workflow. project44 collaborates with implementation partners for customers choosing to deploy its hardware solutions, such as its Gate and Hostler RFID kits, and its dock control and sensor interface equipment, such as for autodetection of hooking and unhooking of trailers. project44 uses direct resources to implement its solution, but is also supported by partners. It also offers visibility into the movement of returnable items, such as plastic pallets, racks and totes. While the YMS is deployed as a multitenant cloud solution, currently on Google Cloud Platform (GCP), the vendor advises that the services were designed to run on other cloud providers, such as AWS and Azure.

SAP

SAP offers SAP Yard Logistics as its stand-alone YMS solution (although it is best deployed within the SAP ecosystem). The system utilizes graphical layouts for monitoring and visualization of yards. It offers visibility into inbound and outbound transports, shows alerts and exceptions, and supports planned and unplanned yard movements. It also supports activities like cleaning or repair with integration to SAP's Plant Maintenance module, as well as dangerous goods checks. SAP has more than 180 customers now using Yard Logistics in 39 countries. Much of its customer growth has come from the automotive sector, but also from retail, consumer and chemical products companies. SAP has enabled dock appointment scheduling through integration with SAP Logistics Business Network, inspection capabilities, enhanced its yard task processing, support for multilevel loading and driving hours checks. SAP Yard Logistics can be deployed on-premises or as a single-tenant cloud offering on SAP S4/HANA. SAP has also improved SAP Yard Logistics integration with SAP Extended Warehouse Management (SAP EWM), SAP Transportation Management (SAP TM), SAP Plant Maintenance, SAP Business Network for Logistics and SAP Business Technology Platform (BTP). SAP EWM also has some yard management capabilities, such as check-in and check-out, load and unload, dock door scheduling, yard movements, sealing and unsealing, and weighing and registration of drivers and equipment. However, SAP Yard Logistics offers more extensive yard management and provides additional industry-specific capabilities.

Terminal Industries

Terminal Industries is a specialist yard management suite vendor, founded in 2023 by investors 8VC, Lineage, Ryder, NFI and others. It offers a cloud-based platform designed to digitize, automate and optimize yard operations and was specifically built for yard networks. The vendor's core technology was specifically built to facilitate the use of AI to automate workflows and exploits AI-enabled vision to provide real-time visibility and control over transportation assets. Its solution, called Terminal Yard Operating System, is built to connect cameras, IoT devices, data, and workflows into a single layer of control. Its SmartYard YMS is a component of the Yard Operating System that provides core yard management capabilities, including automated gate check-in/check-out, yard optimization and management, asset tracking and visibility, and appointment scheduling. Its proprietary computer vision capabilities were built to work with both fixed and mobile cameras, including most common handheld devices. The vendor also offers customizable analytics for individual yards and networks of yards, plus other features such as enhanced site security, damage detection, and compliance tracking, such as for the California-based regulations for the Warehouse Indirect Source Rule (ISR) mandates. Terminal Industries has a modest number of customers to date, all currently based in North America (the vendor's headquarters are in Austin, Texas), but some of these are enterprise, with a larger number of installed sites. The vendor states that it can deploy a basic offering in as little as 5 days with minimal customer IT input. The solution is offered on a functionally tiered per-site subscription basis and can tightly integrate with WMSs and TMSs.

Vector

Vector is a yard management suite vendor, founded in 2014. Originally launched as an in-cab document capture platform for truck drivers, the company focused on digitizing bills of lading (BOLs) and simplifying ease of check-in for visiting drivers through mobile devices until 2020. Since then, Vector has expanded into a more comprehensive yard management solution, adding capabilities for dynamic scheduling, automated gate and kiosk check-in, and orchestration of yard activities. The platform also facilitates multi-party connectivity, enabling collaboration across drivers, shippers, receivers, and 3PL partners. Shipping offices can orchestrate moves for yard drivers through drag-and-drop features and configurable rules, balancing trailer allocation for aging, trailer pool management, and dwell time reduction. Yard drivers can create and update tasks using the mobile application, though there are more developed features for visiting drivers' gate entry, safety instructions and task confirmation. Customers can coordinate moves across multiple facilities and off-site yards, while restricting 3PL partners to location-specific visibility. Customers can deploy the full YMS suite or specific components such as eBOL or digital gate check-in. Vector has around 30 enterprise customers deploying its yard solutions and 300 contracted trucking companies using its platform for deeper integration, supporting more than 10,000 users. It is a multitenant cloud, subscription-based solution hosted on Google Cloud Platform (GCP), and the vendor is headquartered in North America, where all customers are currently based. Vector has 50 employees, with 20 dedicated to implementation services. In 2024, it introduced a carrier identity-verification solution to mitigate double-brokering and fraudulent carrier arrangements. In May 2025, private equity firm BVP Forge announced a significant investment to accelerate Vector's growth and innovation roadmap.

vTradEx

vTradEx is a WMS and TMS provider headquartered in Shanghai, China. vTradEx's eLOG suite provides a set of cloud-based, web and mobile logistics management applications, and it offers both multitenant and dedicated cloud options. vTradEx YMS is built on the same platform as its WMS and TMS, but is also offered as a stand-alone. More than 30 customers currently use the solution across over 150 sites. The focus in China and for vTradEx at present is on technology to automate check-in and check-out, sophisticated queuing systems and dock scheduling. Visiting drivers are sent instructions through text messages, a browser, or more typically through an application embedded in WeChat. It has a slot plan engine that takes all transportation orders and considers constraints, such as operation hours and load size (by weight, pallets, or volume) for the loading and unloading time. YMS then recommends the available slots to the carriers for booking, but can also support manual booking. Carriers can also book and view the reservation on their mobile phone through vTradEx's portal. The vendor relies on partners for implementations in North America. It partners with hardware providers, such as HikVision for gate control systems and various weighing scales and refrigerated container sensor providers. It collaborates with project44 for real-time transportation visibility but also integrates with its own visibility platform. Recent enhancements include visual yard representations, container yard management capabilities, yard vehicle queueing integration with WMS wave management and yard driving navigation. New developments have seen enhancements to dock utilization and IoT integration supporting AI-enabled vision systems for face recognition and location monitoring. vTradEx is ISO270001 certified, and supports data protection through encryption in transit and at rest.

Yard Management Solutions

Yard Management Solutions offers its yard management software as a dedicated or multitenant cloud deployment. Its YMS is web-based and scalable to any size screen on any device. It offers rapid implementation, where projects can go live in six weeks, and the application is focused on being simple to learn and easy to use. Its YMS Version 2 brings a modern UI with functionality to reduce clicks and improve reporting capabilities. YMS also provides dock scheduling and a smart gate entry system. Its Eagle View feature provides a graphical depiction of a yard with live process-driven statuses for each piece of equipment and employee action, incorporating drag-and-drop capabilities to initiate yard moves. Its Multi-Facility View provides a grid of Eagle Views for the network of yards, with the ability to initiate transfers between yards with the same drag-and-drop capabilities. Smart Yard “X-Ray Vision” displays the contents (such as product locations, item numbers and quantities) of every trailer on Eagle View. Implementations are managed by the vendor’s team, and customers can select hardware through their own providers or YMS-recommended partners. While the system can operate in a process-driven mode, customers are encouraged to take advantage of automation powered by configurable operation rules. The platform can also integrate with software systems, such as TMS and WMS, as well as hardware sensors and GPS to provide real-time visibility of assets and drivers across the yard. Available modules include Eagle View, Multi-View, Appointments, Gate Module, Automatic Gate Module, AI Gate Module, Asset Inspection, Dock Door, Driver Module, Driver Self-Service, Pit Module, Yard Check, Carrier Module, Line Sequence, Magic Dock, Master Load Plan, Move Management, Receiving Queue, Shipping Queue, Task Manager, Reports, and Automation.

YardView

YardView offers YardView YMS, a functionally rich and highly customizable cloud-based YMS, which is accessible via browser and mobile applications, and operates on a monthly site subscription basis with unlimited users and transactions. The solution is heavily focused on ease of use and the needs of end users, drivers, operators and supervisors, and offers rapid implementation where projects can go live within four weeks. Since 1998, YardView has been consulting on customer needs and delivering tailored solutions for their yards. Deployed across more than 1,000 sites for a wide range of customers, YardView YMS manages over 110,000 appointments each month, demonstrating its ability to scale across complex yard operations. YardView scheduling features include enhanced dock and appointment scheduling based on load types, available space, weight and available products for orders (configured for multiple scheduling process types). It also features email alerts, built-in and customizable reports, signature capture, in-cab move requests, automated move tasking based on proximity, priority or hot items, scheduled lot checks, yard optimization and driver self-check-in via kiosk or QR code (allowing fully contactless visits). It includes a load planning and load details module, with the ability to manage (and systematically start and stop) refrigerated units. The solution enables customers to handle multiple facilities and multiple parking locations, tracking interplant activity, and has been built to ease processes for the end-user operatives who can quickly adopt the system, often within an hour. YardView offers full yard visibility via a graphical interface, a digital map, dashboards, and reports, giving teams the flexibility to work with their preferred tools.

YMX Logistics

YMX Logistics is a national technology-enabled 3PL focused exclusively on enterprise yard operations. YMX was founded in 2024 following the acquisition of Kutzler Express, a spotting provider since 1982, and a trucking company established in 1929. Also in 2024, YMX acquired Yard Commander, a stand-alone Canada-based YMS vendor that was founded in 2011. The company provides six core services: spotting, shuttling, gate management, trailer rental, dedicated freight services, and yard management technology solutions. YMX works with leading retailers, manufacturers, and 3PLs that require technology and services for the yard. YMX provides a stand-alone YMS including appointment and dock scheduling, manned and unmanned gate management, security systems, digital BOL, yard management, visibility/real-time locating through RFID and other sensors, an AI-enabled safety fleet camera management system, and electric vehicle and asset monitoring. However, the company positions these as part of its service portfolio under the broader yard operating system (YOS) framework. This framework integrates workforce, equipment, processes, safety, sustainability and technology into a unified model focused on yard optimization and continuous improvement. The Yard Commander acquisition brought the senior team and customers deployed across hundreds of sites into YMX. YMX offers its YMS in three packages: core, standard, and enterprise, which range from more basic to more advanced for single yards to more connected and optimized capabilities for single yards and networks of yards, respectively. All packages have some capabilities relating to gate, appointment scheduling, yard asset management, visibility, equipment inventory, communication, reporting, integrations with WMS/TMS, and user experience. YMX employs approximately 450 people with a dedicated product and software team alongside the majority who are yard drivers and operational specialists delivering on-site services. The vast majority of its approximately 60 YMS customers across 200 sites are based in North America, with English and Spanish as standard languages, but YMX has a few customers in other regions.

Market Recommendations

Companies have put a great deal of effort into optimizing their transportation and warehousing processes, including implementing technologies such as a WMS and/or TMS. The transportation and warehouse functions meet in the yard, and the yard is often a “black hole,” where companies lack visibility to activities, inventory and equipment.

Many kinds of yard management solutions are available, either as part of the existing WMS or TMS, as stand-alone YMS applications or point solutions for individual elements of yard management, or as provided by some Visibility vendors.

Companies already using a WMS, TMS, or visibility should look to their existing technology vendors to understand what YMS capabilities can be used as an add-on to the WMS or TMS. They should also understand the value these capabilities could bring to their organization. Companies with WMS, TMS or visibility vendors that currently don't provide yard management capabilities should look into best-of-breed solutions.

Companies with large yard operations or companies with many yards should look into these solutions as they provide clear benefits toward increased visibility, automation of activities, better asset utilization and reduced costs. Even companies with smaller yards have access to yard management solutions that can provide core yard management capabilities and take advantage of cost-efficiencies and cost savings.

Companies that cannot implement a full yard management solution should look into the capabilities offered by functionalities such as appointment scheduling or emerging solutions purely focused on visiting drivers to improve, at least partially, the current issues in their yards.

Users should review YMS proposals in detail. Pricing can vary widely, ranging from perpetual and subscription licenses based on sites and/or users/device users, upfront hardware costs or hardware usage fees to transactional fees based on actual or average transport unit movements. Some vendors offer more than one option. Some solutions may be priced by module or even included as part of overall WMS, TMS or visibility system deals.

Some organizations suffer yard and dock door congestion, and their activities are impacted by ongoing disruptions. They should also investigate the opportunities for improvement that YMS vendors are achieving through partnerships with real-time visibility solutions to support dynamic rescheduling of appointments and dock activities.

Even users with smaller operations can benefit from the improved organization and work direction that rapid deployment of a simple real-time view of the yard and directed work activities can bring.

Users should also investigate options provided by some vendors to further automate gate check-in, verification, messaging and digitization of documentation and approval. This will reduce the need for drivers to queue in warehouse offices and exchange physical paperwork when their time could be deployed more effectively. Finally, organizations should assess the viability of using emerging technologies such as AI-enabled vision systems to support their gate, check-in and yard management operations.

Note 1: Representative Vendor Selection

This research provides information on 17 specialist or dedicated YMS vendors perceived as relevant in the market, based on revenue, number of clients and end-user interest and feedback. Client interest and market presence also factored into the selection of the vendors featured in this guide.

Document Revision History

[Market Guide for Yard Management - 20 December 2022](#)

[Market Guide for Yard Management - 25 June 2020](#)

[Market Guide for Yard Management - 30 January 2019](#)

[Market Guide for Yard Management - 8 June 2017](#)

[Market Guide for Yard Management - 28 January 2016](#)

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[Apply an Architectural Framework to Stratify Warehouse Management Systems](#)

[Tool: Stratify Your Warehouse Operations to Determine the Right-Fit WMS and Improvement Strategy](#)

[Magic Quadrant for Real-Time Transportation Visibility Platforms](#)

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Table 1: Key Use Cases for YMS

| Use case | Benefits |
|---------------------|--|
| Process improvement | <ul style="list-style-type: none"> ■ Automation of yard processes and increased accuracy. ■ Improvement of check-in and check-out processes. ■ Improvement of the flow and direction of materials through a facility to best support the utilization of yard and warehouse labor. |
| Visibility | <ul style="list-style-type: none"> ■ Visibility to the yard operations and assets. ■ Elimination of “lost” trailers. ■ Visibility to product inventory in the yard. |
| Cost reduction | <ul style="list-style-type: none"> ■ Reduction of detention and demurrage expenses. ■ Reduction of idle rental. ■ Reduction of idle dock labor. |
| Carrier analysis | <ul style="list-style-type: none"> ■ Assessment of carrier commitments and on-time performance. ■ Tracking of carrier wait time and unload time. |

Source: Gartner (October 2025)

Table 2: Representative Vendors in Yard Management Systems

| <i>Vendor</i> ↓ | <i>Product, service or solution name</i> ↓ | <i>Type/category</i> ↓ |
|----------------------|---|---|
| C3 Solutions | C3 Yard, C3 Reservations, C3 Hive | Specialized YMS Suite Vendor |
| Exotrac | YardTrac Pro, YardTrac Lite | Specialized YMS Suite Vendor |
| FourKites | AutoGate, Dynamic Yard, Dynamic Yard Advanced, YardWorks, AutoBooker | Real-Time Transportation Visibility Platform Vendor |
| GoRamp | GoRamp YMS, GoRamp Dock Scheduling and Time Slot Management System | Specialized YMS Suite Vendor |
| Kaleris | Kaleris YMS, EVP | Specialized YMS Suite Vendor |
| Leoquantum | myleo / dsc | Specialized YMS Suite Vendor |
| Loadsmart (Navtrac) | Opendock, Opendock YMS, SmartGate | Specialized YMS Suite Vendor |
| Peripass | Peripass: Quickstart Bundle, Basic Bundle, Plus Bundle, Pro Bundle, Compliance Bundle | Specialized YMS Suite Vendor |
| ProAct International | Yard Management for Finished Vehicles, Yard Management for global Multi-Modal/Multi-Site and Yard Management for Cross Dock | Supply Chain Management (SCM) Suite Vendor |
| project44 | Appointment Management, Yard Visibility, Yard Management, Yard Automation | Real-Time Transportation Visibility Platform Vendor |
| SAP | SAP Yard Logistics | Application Mega Vendor |

| <i>Vendor</i> ↓ | <i>Product, service or solution name</i> ↓ | <i>Type/category</i> ↓ |
|---------------------------|--|--|
| Terminal Industries | Terminal YOS: SmartYard YMS | Specialized YMS Suite Vendor |
| Vector | Vector Connected Yard | Specialized YMS Suite Vendor |
| vTradEx | vTradEx YMS | Supply Chain Management (SCM) Suite Vendor |
| Yard Management Solutions | Yard Management Solutions, YMS Version 2 | Specialized YMS Suite Vendor |
| YardView | YardView YMS | Specialized YMS Suite Vendor |
| YMX Logistics | YMX OS: YMX Yard Management System, Yard Commander | Specialized YMS Suite and Yard Services Vendor |

Source: Gartner (October 2025)