



Cognizant's Yard Management Solution—Yardelligent

Part of outbound logistics solutions suite - Yardelligent enables yard & port planning, storage, retrieval and maintenance of finished vehicles and visibility of their status in the transportation network. Yardelligent, Cognizant's Yard Management Solution, has been specially designed for automating and optimizing operations at finished vehicle yards and sea ports. With Yardelligent, yard operators can have the desired level of real-time visibility and control of vehicles at the yard, thereby making the automotive supply chain truly optimized and efficient.

Yardelligent has been designed as a modular solution, with each module independent and customizable to the specific requirement of each yard. The modules in Yardelligent include Vehicle Receipt, Visual Inspection, Workshop/PDI, Shipment, Ranking, Billing, Warranty Approvals, Dealer Management and Port Processes.

Additional capabilities of Yardelligent include interfacing capabilities (with both internal and external systems), audit trail capture, customized analytical module and a visual yard map using GIS features.

Developed using the robust and scalable industry-standard n-tier J2EE framework, Yardelligent is Web-based and can be accessed from anywhere on virtually any hardware platform. Yardelligent supports both Oracle and Microsoft SQL databases and can be integrated to many business systems, including WMS, TMS and ERP, using standard messaging tools.

Yardelligent Helps Automotive Manufacturers and Distributors Overcome These Challenges:

- **The time consuming and error-prone process of receiving vehicles manually into the yard** Yardelligent can interface with bar code or QR code scanners to automate the receipt of vehicles into the yard and reduce the extent of manual intervention required.
- **Ad hoc and time consuming parking location identification.** Yardelligent recommends a suitable parking location for each vehicle on the basis of the available slots and the parking settings defined.
- **Tracking of vehicles in the yard.** Yardelligent provides yard operators with the capability of tracking any vehicle in the yard through GIS interface.
- **Manual workshop activity management.** Yardelligent has an activity management module that identifies the activities that need to be performed on each vehicle, and schedules a time for the performance of the activity. This streamlines the workshop process and ensures timely dispatch of the vehicle from the yard.
- **Damage tracking.** Yardelligent provides a visual damage tracking mechanism in order to enable yard jockeys to effectively communicate the location of damage to workshop mechanics.
- **Warranty management.** Yardelligent captures all warranty claims arising during the workshop and inspection process. Yardelligent also manages the approval process by directing the request to authorized personnel and capturing the approval details.

Benefits of Yardelligent Include

Operations

- Reduced yard operations costs and increased productivity due to a high level of automation, improved labor and asset utilization
- Ranking of vehicles in order to reduce rework costs. Timely reconciliation of assets in the Yard
- Improved yard productivity and throughput
- Cost effective solution that can be rolled out across the finished vehicle distribution facilities with ease
- Lower delays and subsequent holding charges (Port Demurrages) Covers warranty management for better tracking of repairs and damages during transportation

Visibility

- Easy traceability of vehicles within the yard by way of real-time VIN tracking.
- Ability to hold & identify vehicle hold statuses due to various reasons; vehicle hold at the sea ports for completion of custom documentation.
- Solution customized to suit vehicle transportation processes globally
- Logistics / sales managers can themselves monitor and track status of vehicle progression in distribution network

Technology

- Cognizant owned / proprietary product tailored for automotive industry
- Web based open source technology solution that provides flexibility for customization
- Scalable solution that can be deployed in short time across the distribution network
- Low cost of ownership
- Web services to integrate with enterprise applications & certified by SAP NetWeaver
- Extensive use of enabling technologies (Bar Code, QR Code, GIS & GPS features etc.) for simplified operations and real-time visibility
- Customized report generation for better analysis and planning
- Fully customizable modules combining best-of-breed global industry practices with local customer needs
- Flexible architecture for easy functional upgrade and scalability to multiple sites

Planning

- Direct inputs to Sales and Logistics planning
- Indirect inputs to production planning
- Reports and Analysis

Cognizant Delivers Clear Value to Your Organization

Cognizant (NASDAQ: CTSH) is a leading provider of information technology, consulting, and business process outsourcing services, dedicated to helping the world's leading companies build stronger businesses. Headquartered in Teaneck, New Jersey (U.S.), Cognizant combines a passion for client satisfaction, technology innovation, deep industry and business process expertise, and a global, collaborative workforce that embodies the future of work. With over 50 delivery centers worldwide and over 178,600 employees as of March 31, 2014, Cognizant is a member of the NASDAQ-100, the S&P 500, the Forbes Global 2000, and the Fortune 500 and is ranked among the top performing and fastest growing companies in the world. Visit us online at www.cognizant.com or follow us on Twitter: Cognizant.

Manufacturing & Logistics Practice

The Future of Work has arrived for manufacturers. Globalization is reshaping where and how major manufacturing companies make and sell their products. Now emerging technologies such as mobile communications, virtualization, and cloud computing are helping manufacturers find new ways to run, grow, and transform their organizations. Our global workforce of engineers, technology experts, and business consultants has extensive experience helping many of the world's leading automotive, industrial, and process manufacturers. And thanks to our unique integrated services capabilities, Cognizant's business and industry experts work hand-in-glove with our technology and engineering teams, ensuring our manufacturing clients an exceptionally well-coordinated effort from conception to completion.

We help the world's major vehicle manufacturers and their support ecosystems leverage technology to bring greater innovation to their product designs, control of their warranty processes, and improve integration with their dealer networks.

For more information on how to drive your business results with Cognizant, contact us at inquiry@cognizant.com.



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