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Transform your surface transportation applications with an all-in-one, unified solution

The surface transportation industry powers our world, but aging IT infrastructure can hinder it from keeping up with modern demand. Organizations in this sector need data visibility, unified processes and automation to grow while staying compliant and secure. The Cognizant® Surface Transport Management solution, built on Oracle Cloud, modernizes the entire technology stack for this industry, providing the tools to drive innovation and profitability.

Executive summary

Transporting people and goods daily is a relentless task, made even more challenging by outdated IT tools. Surface transportation companies must scale to meet market changes, manage expanding workforces and plan for the future. Cognizant and Oracle have recognized these needs and collaborated to create an industry-specific solution. This solution equips surface transportation organizations with the modern infrastructure necessary for a comprehensive digital transformation.

Modernizing infrastructure is the key to staying competitive

From rail cargo and logistics to passenger transit, surface transportation organizations using outdated technology and IT tools cannot stay competitive. Without complete visibility into their data, real-time exchange of information and out-of-the-box support for all operational requirements, these companies find it difficult to achieve profitability and customer satisfaction.

By leveraging a comprehensive enterprise solution such as Cognizant® Surface Transport Management, surface transportation organizations gain the holistic approach to modernization they need to keep up with demand. Cognizant's solution, built on Oracle Fusion Cloud, provides surface transportation companies with the ability to integrate, streamline and improve all operational aspects of their organizations, including asset management, human capital management and more. Utilizing Oracle's unique cloud technology framework and Cognizant Cloud Central™ tools and accelerators, the solution enables stakeholders to make smarter decisions about growth while adopting technology that fosters innovation and profitability.

Tools and accelerators to fast-track success

With Cloud Central™, a suite of Cognizant's proprietary tools and accelerators, organizations can achieve accelerated transformation, reduced risks and improved return on investment (ROI). Some of the key Cognizant tools and accelerators include:

- **Payroll Tax Reports.** Access prebuilt payroll and tax compliance templates, including BA-3 through BA-11 reports, which can be easily updated for individual customers

- **US Railroad Retirement Board Taxation Solution.** Simplify employee retirement tax calculations and reporting to ensure compliance with US Railroad Retirement Board (RRB) governance for Tier 1 and 2, as well as Railroad Unemployment Insurance Act (RUIA) taxes

- **Reconditioning.** Unlock a 360-degree view of the supply chain—including sustainable and cost-effective suppliers of core materials—to plan and execute reconditioning at scale, improving asset reliability and lifecycle utilization and reducing costs

- **Asset Management.** Manage inventory and maximize asset lifecycles from a single platform to enhance performance, reduce maintenance costs and drive sustainable efficiency

- **Digital Tolling.** Connect toll operators to the unified tools and real-time insights they need to keep vehicles moving safely and efficiently, reducing congestion and emissions

- **Position Bid and Bump.** Manage position bidding processes in unionized organizations and accelerate data analysis and reporting with customizable Oracle platform-as-a-service (PaaS) and APEX technology

- **Conversion Hub.** Migrate data seamlessly from legacy databases to Oracle Cloud, saving up to 30% in conversion efforts[1]

- **Cloud Configurator.** Accelerate cloud configuration cycles and minimize manual error with a flexible and adaptable automation solution

- **Cloud Accelerator.** Access 100+ prebuilt digital assets to help accelerate cloud migration with zero downtime and up to 35% manual effort automation[1]

- **Cloud Asset Library.** Gain a repository of reusable generic technical assets developed based on learnings from 500+ cloud implementations

- **Cloud Central Reporting.** Benefit from prebuilt dashboards and industry-specific reporting capabilities to monitor and easily control your Oracle Cloud Infrastructure

- **Cloud Central Integrations.** Easily connect and automate integrations between Oracle Cloud and internal and partner business applications, reducing integration costs by up to 15%[1]

- **Process Workbench.** Access a persona-driven process library that shows process steps, documents standard operating procedures and more

- **Position Control and Budgeting.** Gain a complete human capital management solution for the entire hire-to-retire lifecycle

- **Worker Training and Learning.** Benefit from content catered to surface transportation roles, including approval workflows and outcomes with seamless integration to talent management

- **Employment Contract Parsing.** Simplify the collective bargaining process with a robust contract parsing solution

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[1] Based on Cognizant's past engagements.

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Unifying data for improved efficiency, agility and decision-making

Business leaders need ready access to up-to-the-minute, comprehensive data to accurately analyze important information about future investments. For example, organizations using legacy systems may not find out that a railcar needs maintenance until it needs a complete replacement, which is an expensive surprise.

Enterprise Resource Planning

Human Capital Management

Analytics

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Surface Transport Management

Infrastructure

Toll Management

Transportation Management

Asset Management

Data Management

Budget & Grants Management

The Cognizant Surface Transport Management solution is designed to unify data across the surface transportation organization, providing a holistic view of information on assets, the workforce and other functions. The solution delivers real-time information exchange, both internal and external, giving decision-makers the ability to forecast and plan for significant capital expenditures that might be coming down the pike. For instance, a company with railcar assets can leverage the Cognizant solution to install Internet of Things (IoT) devices on their railcars to track maintenance needs. The device alerts the company when a railcar needs maintenance, helping address the problem immediately and enabling proactive repair. This enables organizations to extend the lifespan of these expensive assets by several years, potentially saving millions of dollars.

The Cognizant Surface Transport Management solution includes tools and features that cover all enterprise application areas for the industry:

- **Enterprise resource planning**
  Breaks down silos across departments and improves management of all business environments

- **Human capital management**
  Runs HR functions with a single source of truth, covering the entire hire-to-retire lifecycle, tailored content for surface transportation, seamless talent management integration, robust contract parsing, prebuilt payroll and tax templates, and simplified retirement tax compliance

- **Infrastructure**
  Enhances organizational efficiency, security and performance while offering scalable and flexible solutions

- **Asset management**
  Provides visibility that can help organizations recondition assets rather than buying new ones, resulting in significant savings

- **Budgeting and grants management**
  Ensures proper tracking and reporting on funds

- **Data management**
  Streamlines reporting and improves analysis across accounting, inventory management, talent acquisition and more

- **Transportation management**
  Simplifies the management of distribution centers and warehouses, as well as the goods transport lifecycle

- **Toll management**
  Digitizes toll operations so organizations can streamline everything from customer service to billing to revenue management

- **Analytics**
  Integrates data, providing predictive insights, enabling real-time monitoring, and improving operational efficiency and customer satisfaction

Harmonizing processes for better operations, compliance and security

Surface transportation organizations need modern solutions to ensure efficient payroll and contract management, as well as to address security, regulatory compliance and safety issues across their operations.

Automation is essential to streamline these operational requirements so surface transportation companies stay productive and competitive. The Cognizant Surface Transport Management solution includes a process-driven library that offers 300+ level 4 business process maps, harmonized specifically for the surface transportation industry. With 750+ predefined configurations and 2,000+ test scripts, the solution provides organizations with a mature framework so they can start their journey to more efficient, compliant, scalable and secure operations right away.

With these templatized, reusable tools and accelerators, surface transportation organizations do not have to reinvent the wheel every time they need to meet a requirement. There is no need to create custom solutions from scratch to implement an operational process. The Cognizant Surface Transport Management solution encompasses almost all taxation rules, compliance reports, prebuilt absence management and compensation rules, and position-to-requisition workflows for both represented and non-represented employees. Surface transportation companies can use the solution for all these operational needs starting on day one, with no time-consuming customization process or long learning curve.

The Cognizant Surface Transport Management solution is a unified suite of tools and accelerators that leads to:[4]

27% more efficient financial close processes

32% faster go-to-market using preconfigured payroll tax reporting

23% faster accounts payable processing from streamlined workflows

38% savings in cloud configuration efforts through human-like automation

30% estimated efficiency boost in financial reporting by replacing manual spreadsheets*

20% reduction in maintenance effort

10% reduction in service-affecting failures

[4] Based on Cognizant's past engagements.

*estimated

Cognizant and Oracle: Taking surface transportation on a transformative journey

The surface transportation industry needs up-to-date technologies to gain visibility for decision-making and eliminate the silos that can lead to organization-wide inefficiencies. The Cognizant Surface Transport Management solution, built on Oracle Cloud, helps surface transportation companies modernize their infrastructure. With a complete, modernized technology stack, these organizations can better control costs, enhance productivity throughout operations and gain the freedom to innovate for a greater competitive footprint.

Learn how the **partnership between Cognizant and Oracle** empowers surface transportation organizations to transform through technology.

How real surface transportation organizations streamline and modernize

- A provider of railcar products and services implemented Oracle Fusion Cloud HCM to migrate all HR and payroll facets to a single system of record, reducing duplicate efforts, streamlining processes and enhancing operational efficiencies. With real-time data analytics, the organization makes more informed decisions, and it has improved the user experience and productivity through self-service capabilities.

- The UK's leading rail utility organization transformed its ERP landscape with Cognizant and Oracle to improve quality of service and operational efficiency. The public company reduced provisioning time by 50%, achieved 50% optimization of its estate size and is migrating from a CapEx operating model to a subscription-based one to better control costs.

- A company that maintains transportation facilities in Virginia knew it was falling behind as other tolling operators made upgrades to electronic tolling. The company engaged Cognizant for an end-to-end digital transformation and ultimately cut operating costs by 40% using the Cognizant Surface Transport Management solution.

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About Cognizant

Cognizant (Nasdaq-100: CTSH) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build, and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 185 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at www.cognizant.com or follow us @Cognizant.

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