

TCS Crystallus™ for Cargo and Logistics

An SAP S/4HANA Preconfigured Industry Solution

Travel, Transportation & Hospitality



Logistics service providers are looking to deliver enhanced customer satisfaction with service offerings that provide operational reliability and cost-efficiency. Companies need the flexibility to develop differentiated logistics service offerings quickly and ensure that the background processes adapt to the changing customer needs. A shift from silos to enterprise-wide integrated and automated processes and systems can help enterprises deliver an agile solution to make logistics operations more efficient.

TCS Crystallus™ for cargo and logistics is a pre-configured industry reference solution, built on SAP S/4HANA and the SAP cloud platform to enable consulting-led business transformations and a faster S/4HANA adoption. Contextualized for datasets, processes, and organizational elements specific to logistics, the solution develops easily deployable reference solutions and utilizes a central command center to control cargo movements. It also ensures a reliable transit time by providing end-to-end cargo visibility.

Overview

With the increasing reliance of logistics organizations on SAP ERP central component (ECC) suite for corporate functions, and management of cargo and assets, there is a need to identify newer enterprise platforms for significant levels of customization. However, adopting the new S/4HANA stack requires logistics enterprises to choose from multiple upgrade paths such as Brownfield and Greenfield implementations. Enterprises need to leverage contextual knowledge to help accelerate and de-risk their digital transformation programs.

TCS Crystallus for cargo and logistics is a S/4HANA adoption solution that leverages pre-configured solutions to enable digital transformation. Integrated with predictive analytics capabilities, the solution provides continuous insights on cargo expected time of arrival (ETA), mitigates any anticipated breaches, and enables optimum utilization of assets and efficient warehouse operations. The solution integrates with other TCS proprietary intelligent solutions, including TCS DigiCargo™ and Cargo and Logistics Augmented Decision Analytics (CLADA) for real-time cargo intelligence and uninterrupted service.



Our solution

TCS Crystallus for Logistics provides the following solutions:

- **Digital core foundational solution:** Ensures complete ecosystem coverage across logistics industry segments, like freight forwarding, freight brokerage, trucking, warehousing and distribution, and yard management. Integrates artificial intelligence-machine learning (AI-ML)-based intelligent analytics solutions for futureproofing.
- **Jump-start kit:** Leverages a customized kit comprising a template repository via business process master list, business process flows and documents, test scripts, and security roles to accelerate digital transformation.
- **Cargo visibility:** Enables complete control over cargo movement through a central command center and integration with other TCS proprietary intelligent solutions for real-time cargo visibility and intelligence.
- **Industry best practices:** Leverages more than 200 pre-activated SAP TM/EWM/ECC/IBP content in alignment with SAP best practices to address key strategies, trends, and unique requirements of logistics.

Benefits



Improved time to market: Accelerates the S/4HANA transformation program by up to 40% with pre-configured reference solutions and an embedded jump-start kit.



Improved business agility: Enables benefit realization with a show and tell solution contextualized for the logistics enterprise.



Minimized risk: Minimizes the risks of business disruption associated with transformation programs with readily demonstrable S/4HANA solution instances for complex logistics enterprises processes, thus driving stakeholder confidence.



Continuous innovation: Facilitates continuous enterprise innovation by providing access to industry best practices, standardized processes, and industry innovations.



Potential breach mitigation: Mitigates any anticipated breaches by leveraging predictive insights on cargo ETA and condition parameters to strike a balance between cost, performance, and revenue.

The TCS advantage

A partnership with TCS can help take advantage of the following key differentiators:



Extensive domain expertise: TCS solutions bring to the table more than 25 years of logistics industry experience. Our services comprise customized solutions for business key performance indicators (KPIs) and have supported over 15 major logistics companies across the globe for an end-to-end services stack.



Logistics domain-led SAP service center: We serve more than 10 logistics customers across the SAP landscape for functional and technical support. Our solutions provide S/4HANA hosting services, driving large enterprise-wide transformation and S/4HANA adoption programs.



Strong 360° partnership with SAP: TCS' solution leverages our partnership with SAP and endorsement by SAP industry practice to develop a well-aligned SAP future solution road map. With our robust network design, we help ensure end-to-end cargo visibility and efficient warehouse operations to enable an agile ecosystem for customers.



Technical leadership: One of the largest SAP system integrators, TCS has a global workforce base of over 22,000 consultants and serves more than 500 customers. With our technical expertise and experience that leverages AI-ML and real-time analytics capabilities, we facilitate a seamless migration to the S/4HANA stack by ensuring a strong foundational solution.

Awards and accolades



**TOP 3
IT SERVICES
BRAND**



**FASTEST GROWING
IT SERVICES BRAND
FOR THE DECADE
2010 - 2020**



Contact

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Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 500,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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