

SYSTEM INTEGRATION

Automating Submission of Compliance Data

Embarking on the journey of system Integration

As we embark on the integration journey in the textile industry, envisioning a future marked by information automation in the AI era becomes paramount. This white paper serves as a guiding beacon, delving into the intricacies of system integration and its pivotal role in achieving information automation. Specifically, we explore the methods of seamlessly docking multi-brand ERP systems into one unified data standard. Join us in navigating through the era of data-driven supply chain operations, where the convergence of technology and automation propels the textile industry toward efficiency, innovation, and a sustainable future.

Introduction

Textile Solutions innovates at the intersection of tradition and technology, uniting decades of manufacturing experience with cutting-edge IT. As a leader in Supply Chain Traceability, Sustainability Certification, and Carbon Footprint Management, General Intelligence harmonizes craftsmanship and digital expertise, driving efficiency and sustainability for suppliers through technology. We navigate the textile landscape, shaping a future where sustainability, compliance, and efficiency seamlessly coexist.

Company Overview

- **Innovative Compliance for the Textile Landscape**
Our proprietary **All-in-One** platform serves as the nexus for compliance, seamlessly consolidating various requirements.
- **AI Empowered Solutions**
Textile Solutions is underpinned by integration, automation, Artificial Intelligence (AI), and block chain – collectively forming the backbone of our innovative solutions.
- **Mitigating Compliance Risks**
End-to-end traceability ensures compliance with various standards while reducing risks in key markets.

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How The Textile Industry Achieves Information Automation in The AI Era

Introduction

In the era of artificial intelligence (AI), the textile industry is undergoing a transformative shift towards information automation. This paradigm shift brings numerous benefits, including increased transparency, reduced labor demands, resolution of recruitment challenges, accelerated information flow across the entire supply chain, and the feasibility of algorithmic matching. Additionally, it enables the complete avoidance of human errors and ensures real-time data processing.

Introduction of General Intelligence Product--Density:

One crucial aspect of this transformation is the use of the GI platform, which leverages products such as

density: IoT/5G to provide real-time automation of production equipment.

Through AI, the platform calculates output based on factors like the rate of breakage at 1,000 spindles or the rate of cotton falling. It

considers multi-dimensional aspects, including personnel, machines, varieties, orders, and more. The platform aggregates and analyzes daily, monthly, yearly, and shift production statistics. Integration with MES, ERP, WMS, and VMS enhances efficiency, quality, and transparency in the production process management.



Online order inventory, online quality indicators traceability, work central performance analysis.

Online process indicators comparative analysis, varieties of process knowledge base archiving, reduce labor intensity of process configuration.

Intelligent Operation Dashboard

Introduction of General Intelligence Product- - Spinise:

The Spinise platform within the GI ecosystem plays a crucial role in achieving real-time automatic reporting of supply chain data. For the first time in history, it facilitates the linkage of macro and micro data in factories. Spinise ensures the integrity, consistency, and authenticity of supply chain data by linking upstream and downstream orders, inventory, processing data, and logistics. This "three streams in one" effect is achieved through seamless connectivity with textile suppliers, promoting compliance, cooperation, and value-added services.

Furthermore, Spinise provides a configurable one-stop traceability and compliance traceability platform. It caters to reporting on all major compliance requirements through a PO-driven methodology. The platform offers a global overview from L1(finished goods) to L5(farm), allowing stakeholders to monitor and manage the entire production process comprehensively.

In conclusion, the adoption of AI in the textile industry is ushering in an era of information automation. Through products like Density and Spinise, the industry is experiencing increased efficiency, transparency, and the ability to address longstanding challenges. These technological advancements are not only transforming production processes but also enhancing the overall competitiveness and sustainability of the textile sector.

How To Dock Multi-Brand ERP in One Data Standard

Introduction

In the dynamic landscape of the business world, organizations often grapple with the challenge of integrating multiple Enterprise Resource Planning (ERP) systems seamlessly. This article explores the key strategies and tools to achieve the integration of diverse ERPs into a standardized data format.

Inclusive ERP Support:

The integration solution caters to over 10 different types of ERPs, ranging from industry giants like SAP and Oracle to popular choices such as **Kingdee and UFIDA**. This inclusivity ensures flexibility for businesses utilizing various ERP systems.

Compliance with Global Standards:

The system adheres to open Application Programming Interfaces (APIs) aligned with global standards in the software industry. These APIs support a wide array of systems and programming languages, ensuring compatibility with diverse technological infrastructures.

Data Mapping Tools for Streamlined Integration:

To alleviate the development workload for integrating parties, the solution provides sophisticated data mapping tools. These tools facilitate the mapping of data from different ERP systems to a standardized format, significantly reducing the effort required for integration.

Compatibility with Global Coding Systems:

The integration process includes compatibility with major global coding systems, such as **HS standards, TE standards and GS1**. This ensures that the integrated data maintains consistency and coherence across diverse coding methodologies.

Efficient Deployment with GI Assistance:

With the support of the General Intelligence (GI), a majority of textile suppliers' systems can complete development and deployment within just **1-2 weeks**. This expedited timeline is made possible through the seamless integration processes facilitated by the GI platform.

In conclusion, the challenge of docking multi-brand ERPs into a single data standard can be effectively addressed through a combination of inclusive ERP support, compliance with global standards, user-friendly data mapping tools, compatibility with coding systems, and the efficient deployment assistance provided by platforms like GI. This comprehensive approach not only streamlines integration processes but also positions businesses for greater agility and competitiveness in the ever-evolving market.

The Era of Data-Driven Supply Chain Operations

Introduction

In the dynamic landscape of supply chain management, the transition to data-driven operations is proving to be a game-changer. This transformation is driven by the recognition of challenges within the sourcing department, **where traditional methods involving excessive emails, telephone calls, and offline meetings have not only consumed significant manpower but have also posed authenticity and trust issues. The integration of systems emerges as a pivotal solution, effectively addressing concerns related to credibility and trust.**

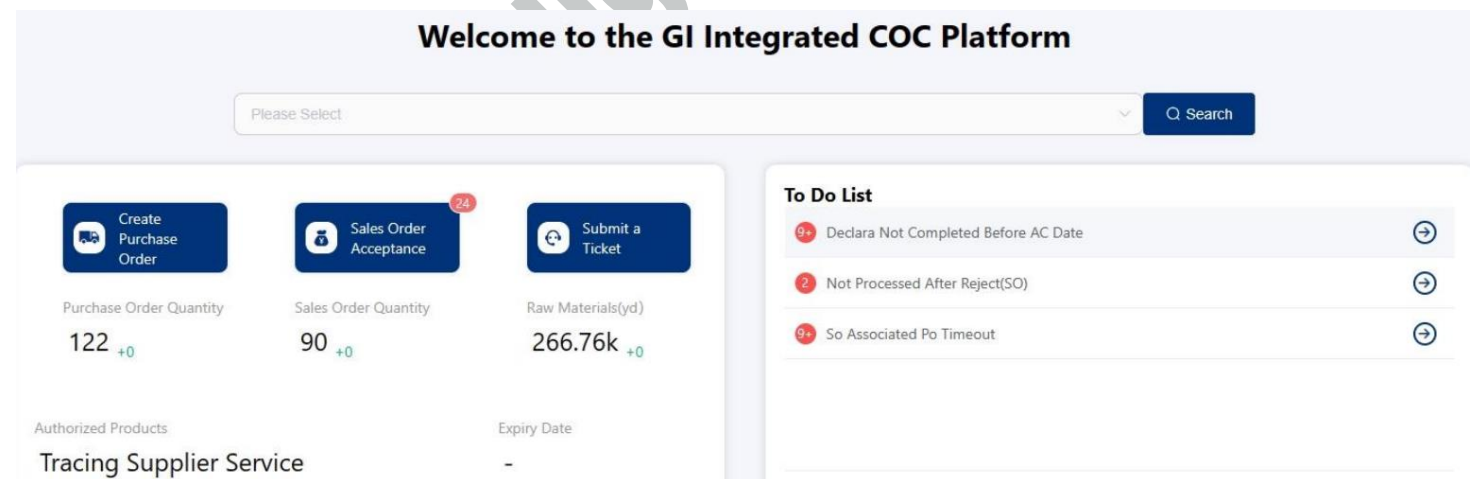
A landmark achievement in the history of supply chain systems is the successful linkage of all levels, from L1 (finished goods) to L5 (farm). This connectivity not only marks a significant stride towards **transparency** but also empowers supply chain managers with unprecedented insights. With a clearer view of the entire supply chain, management professionals can redirect their focus towards problem identification and optimization of collaborative efficiency within the supply chain.

Underpinning this transformative shift is the robust support provided by GI products, including an advanced **alerts system**, a responsive **notification system**, and a **progress auto-calculation system**. These GI-powered features facilitate seamless **order placement and operational automation**, liberating managers from the constraints of mundane daily tasks. Importantly, the utilization of these tools ensures that all operational decisions made on the platform are rooted in **data-driven insights**. This approach guarantees a more informed and

Certainly, let's delve into a detailed description of the three key systems:

Advanced Alerts System

The advanced alerts system integrated into our platform is designed to provide real-time notifications and warnings regarding critical events or deviations in the supply chain. Leveraging cutting-edge algorithms, this system identifies potential issues before they escalate, enabling proactive decision-making. Alerts are customized to specific parameters, ensuring that managers receive timely and relevant information to address challenges swiftly. This not only mitigates risks but also enhances the overall responsiveness of the supply chain.



Notification System

Our notification system is crafted to deliver timely and tailored messages to key stakeholders across the supply chain. Whether it's updates on order status, inventory levels, or production milestones, this system ensures that pertinent information reaches the right individuals promptly. The notification system is a key factor in maintaining agility within the supply chain, allowing teams to adapt quickly to changing circumstances and optimize operational processes.

Notice
Please Enter
Q Search
Filter
All Read

Subject	Notice Details	Send Time	Operation
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Progress Auto-Calculation System

The progress auto-calculation system is a cornerstone in streamlining operational workflows. By automating the tracking and calculation of progress across various stages of the supply chain, this system eliminates the need for manual intervention and minimizes the risk of errors. Real-time visibility into progress metrics, such as order fulfillment and production timelines, empowers managers with accurate insights. This not only enhances efficiency by saving time but also contributes to data accuracy, forming the foundation for informed decision-making.

Sales Order

PO,So,Business Code,Internal ERP Numt

Completion(%)	PO No	SO	Business Processing Stage	From	Finished Goods Destination	Processing Route	Brand	Operation
16.7%	213	213	FINISHED GOODS	PVH	American Samoa	1	VAN HEUSEN	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
33.3%	123125	123125	FINISHED GOODS	PVH	Afghanistan	001	Tommy	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
To do list for this order: No.1(PGA234600000059): To do in total 1 To do list for Associate purchasing: No.1(PGA234600000059): To do in total 3								
0.0%	214	214	FINISHED GOODS	PVH	Algeria	1	Swim / CTB	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0.0%	19980515	19980515	FINISHED GOODS	PVH	Argentina		Tommy	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0.0%	214	214	FINISHED GOODS	PVH	Albania	CKU1	Dress	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
100%	124	124	FINISHED GOODS	PVH	American Samoa	3	TOMMY HILFIGER	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0.0%	20231005	20231005	FINISHED GOODS	PVH	Afghanistan	250923	CALVIN KLEIN	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
25.0%	05102023	05102023	FINISHED GOODS	PVH	Aruba		TOMMY HILFIGER	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
16.7%	124	124	FINISHED GOODS	PVH	Algeria		VAN HEUSEN	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
25.0%	25092023	25092023	FINISHED GOODS	PVH	United States	25092023	HERITAGE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

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In combination, these three systems, powered by GI products, create a comprehensive and intelligent infrastructure that not only automates routine tasks but also empowers supply chain managers with the insights needed to make strategic decisions in a dynamic business environment.

However, the journey towards data-driven supply chain operations is not without its challenges. **A prerequisite for success is the onboarding of all stakeholders in the supply chain onto a unified platform.** Achieving this unity, especially for large brands, typically unfolds in three distinct phases. Please click on <http://www.gimind.com> for details on the specific three steps.

This initial investment of effort in the onboarding process is crucial to creating an ecosystem where data flows seamlessly, and collaboration thrives among all stakeholders. It sets the stage for a robust and interconnected supply chain system, ultimately contributing to the success of data-driven operations.

In conclusion, the adoption of data-driven practices in supply chain operations is reshaping the industry's landscape. The integration of systems, transparency across all levels, and the automation of processes are fostering a new era of efficiency. As supply chain professionals navigate the challenges of onboarding and integration, the promise of a more agile, informed, and collaborative supply chain future is on the horizon. The journey toward data-driven supply chain operations is not just a technological advancement; it's a strategic imperative for those seeking to stay ahead in the ever-evolving world of supply chain management.



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Insights Into GI Online Tools

Elevate your business with GI's online tools, empowering enterprises with assessments on fundamental operations, internal IT capabilities, product traceability, sustainable raw material certification, and product carbon footprint proficiency.

<https://www.gimind.com>