

Minimize costs, optimize service levels, and create automated processes in global transportation networks while sharing information with logistics partners in real time across the entire Supply Chain.

TESI TMS

BENEFIT

Visibility

Full end-to-end shipment tracking & tracing information, including reverse logistics processes.

Collaboration

Sharing structured data along the entire supply chain via authenticated access to a common data hub.

Response

Anomalies highlighted (early/late loading/unloading, added costs, etc.) to implement corrective measures proactively, recalculating estimated delivery time (EDT) in the event of contingencies.

Flexibility

Optimization of loads and delivery runs on the basis of shipment type, accounting for specific constraints and the best available alternative options.

Performance

Reduction of costs via optimization of transport and low-added-value activities while increasing service level to the customer.

TESI TMS, a software suite from TESISQUARE Platform, digitizes all transportation process, both **inbound and outbound**, synchronizing and exchanging data between the client legacy system and the external systems of logistics partners (shippers, couriers, and 3PL).

TESI TMS functionalities enable the **end-to-end visibility** necessary in **omnichannel scenarios**, covering all needs in terms of **transportation typology** (primary and secondary) **and mode** (road, rail, sea, air). **TESI TMS** makes it possible to identify the best possible carrier for any given type of delivery, thus optimizing savings on operations costs and the level of service to the end user, while increasing the overall efficiency of the Supply Chain.

The screenshot shows a web browser window with the URL 'LOGISTIC OFFICE - TRACKING > SHIPMENTS > DELIVERY DASHBOARD > DELIVERY DASHBOARD'. The search criteria are: 'PLANNED DELIVERY DATE FROM 01/07/2018', 'PLANNED DELIVERY DATE TO 15/07/2018', 'POD (YES/NO) All', and 'CASH ON DELIVERY (YES/NO) all'. The table below displays shipment data categorized by status/day and tracked over a period of 15 days in July.

STATUS/DAY	PREVIOUS 90 DAYS	PREVIEW DATE DELIVERY - JULY														
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
New																
Shipped from main warehouse	43		2	1	1	7	12			7	7	16	18	14	6	
Arrived at Transit Point	16			1	10	6	12			20	16	29	24	6		
Transit Point Receiving Issues																
In charge of Transit Point	15				1					1		1		1		
In Stock	14															
Following Instructions																
Delivered	1002		14	30	22	22	24			13	28	5	20	14	4	
Delivered - receiving issues	1001		14	30	22	22	24			13	28	5	20	14	4	
Delivered - carrier issues																
Delivered - late	1															
Returns																
	1090	0	16	32	34	35	48	0	0	41	51	51	62	35	10	0

TESI TMS provides real time process management and control of:

- **transport planning**, accounting for constraints relating to time, destination, load, and vehicles;
- **costs for entire process**, from selection of optimum contract to pre-invoicing;
- **collaboration with logistics partners** to facilitate commitment, reservation, and all interactions implicit in the successfully completing the entire process;
- **tracking&tracing** the delivery process, including dispute management and reverse logistics.

TESI TMS

A scalable, modular software suite, **TESI TMS** makes it possible to manage transport in different modes, depending on needs, with specific functionalities for managing complete and partial loads and different types of carriers: couriers, 3PL, shippers, and owner-drivers.

PLANNING

Boost operating efficiency by optimizing the delivery run planning and management process.

TESI TMS Planning improves delivery run planning via use of dashboards and cartographic instruments, making it possible to manage any type of transport request (inbound or outbound), whether single-leg or multimodal, facilitating carrier selection.

- Identification of optimal carrier
- Route management with cartographic support
- Delivery run optimization

COLLABORATION

Support collaboration with carriers from engagement to execution of transport orders

TESI TMS Collaboration simplifies carrier engagement: from request to delivery assignment, benefiting from interoperability with carrier applications, and obtainment of waybill number, including label printing management.

- Carrier engagement (engagement and request for cost estimate)
- Booking (loading/unloading)
- Yard management

FOCUS

ECOMMERCE

TESI TMS makes it possible to integrate e-commerce into back-end processes, making them agile and scalable so as to effectively serve increasingly digitized and demanding consumers. Furthermore, **TESI TMS** also makes it possible to manage deliveries directly from the sales points through the engagement and management of couriers.

300 couriers already active on the platform

Management of the delivery network to the last mile, with interoperability of the main applications of logistics operators.

Simple and fast onboarding

Proven onboarding method to activate new client-specific shipping agents.

Order management configurability

Mono-source (company website) or multi-source (vortal) integration of eCommerce order acquisition.

RETAIL – GDO

In distribution to sales points, **TESI TMS** not only covers planning of fixed orders, but also automated planning supported by optimization algorithms, and also tracks delivery to/from warehouses and sales outlets and between sales outlets in real time. Furthermore, the pallet accounting and monitoring function keeps track of pallet debits (to suppliers) and overall account balances.

EXECUTION

Provide full event-by-event delivery tracking information.

TESI TMS Execution provides proactive proof-of-delivery (POD) management, highlighting any anomalies. Delivery tracking is achieved by collecting and sharing all information via a central data hub accessible to all business partners.

- POD and any anomalies, also via App
- Reverse logistics management
- Customer services management (KPI)

COSTING

Simplify cost control with real-time availability of all transport rates.

TESI TMS Costing monitors transport costs and logistics contracts, including complex shipping rates (e.g., fuel surcharge), and provides full budgeting control with optimized workflow for the contracting and approval processes.

- Shipment valuation (passive and active) and automatic invoice matching
- Cost statistics and simulations
- Tenders and budget management

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