

Logistics Management Solution (LMS)



Control & Automation - Business Unit
LARSEN & TOUBRO LIMITED

Staying ahead of the fierce competition in the present industrial scenario has become a herculean task. Striving continuously to increase output and improve quality while reducing cost or in plain terms, doing more with less, is the call of the day.

Having deployed the best systems capable of handling the hostile environment and standing up to the heat, and dust of cement processing, you have ensured minimal downtime and least margin for error. Your choice of systems and suppliers has been perfect. But are your systems for work flow and logistics in your dispatch department in place? If not, you got to rethink!

The Challenge; You do not hit the bottomline unless your cement passes on to your customers as quickly and efficiently as possible.

At L&T, we are solving that problem for customers with Logistics Management Solutions (LMS). With LMS in place, measurement of the delivered tonnage for truck and rail transport can be communicated automatically with the enterprise management system to facilitate billing, order tracking and inventory management. Truck loading is automated and LMS eliminates dispatch bottlenecks to increase sales capacity and the speed of your investment payback.

Finally, an automation system solution that can be implemented to measure and document storage and shipping operations to ensure product quality and tonnage.

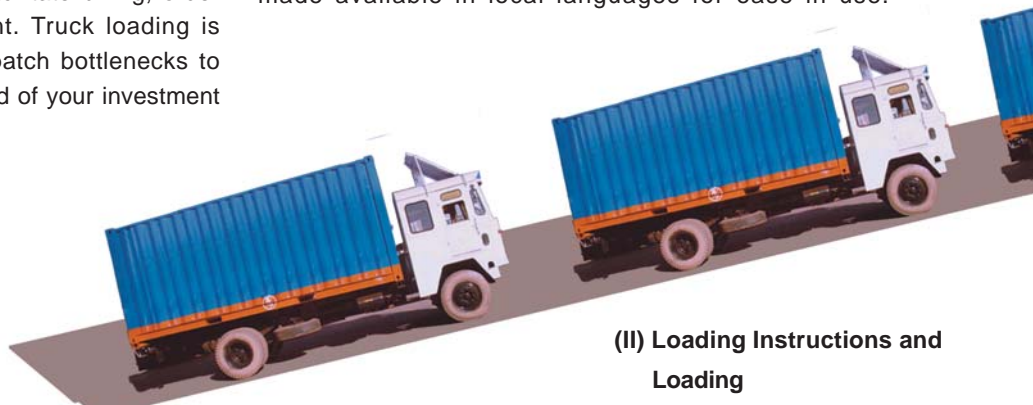
Modern computer assisted dispatch systems offer the logistical support required for the processing of the deliveries and make the dispatch process in the plant transparent to the dispatch operator. Seamless recording of all data connected with order to delivery and invoicing to payment receipts is possible in the LMS.

[L&T LMS Smoothens the dispatch procedure in just three simple steps.](#)

[Logistics Management Solution](#)

Configuration

Each customized LMS employs a comprehensive distributed computer system with L&T's familiar Information Management Solutions. Inputs come from the system operators and the remote card readers which track the actual dispatch process. Information and reports can be made available in local languages for ease in use.



(II) Loading Instructions and Loading

The driver of the vehicle to be loaded gets a detailed printout of all the loading instructions at the gate. This information is also being processed through the state-of-the-art plant's information management systems. The ordered quantity, in bags or bulk is then loaded onto the vehicle. The LMS system actually guides and tracks the vehicles through the entire dispatch procedure in a smooth manner which saves a lot of time.

(I) Customer identification and Weight registration

Arrival of the customer is automatically logged and his records are made available to the operator as soon as the customer identifies himself with his LMS card. Having logged the order and all the necessary information recorded the vehicle is directed to the Entry Weighing Bridge. The automatic traffic lights direct the vehicles to the loading bays, where it is again identified at the weighing bridge card reader.

Information management is enhanced at every level of your enterprise. This solution can be extended to any industry where the goal is to reduce dispatch time and increase the bottom line.

Quick ROI with LMS

Logistics management solutions assures shortened queues and right discipline conducive to process more trucks per day hence increased billing per day. All manual errors in record keeping are eliminated and readily available reports leads to a lot of savings on time and money.

LMS...Not just dispatch solution!

LMS offers a comprehensive materials handling capability and not just dispatch solution. Cement plants also receive raw materials. Bulk materials such as high quality limestone, fly ash, pyrite, shale, iron ore, gypsum and bauxite are required to be bought in, if the plant has an on-site quarry. In addition to automating your logistics and dispatch, L& T has capabilities to customize LMS to track and manage incoming materials. Truly a complete materials management infrastructure. This further adds to your bottom line and lessens your ROI as your inventory management improves.



(III) Final dispatch of Loaded vehicle

The loaded truck is again identified through the LMS card reader, weighed and allowed to exit. The driver receives the printed delivery confirmation receipt at the exit gate and leaves the plant area. All the data collected during the transaction so far is immediately available to your central business information network for Tracking, Control, Planning and forecasting purposes.

Optional features

- Automated barrier gates at entry and exit
- Large scale displays with voice announcement to guide truck drives to loading bays.
- ERP (SAP) interfaces

Benefits of L&T Logistics Management solutions

- Increases employee productivity
- Provides for seamless documentation of all transactions
- Reduces waiting time
- Allows optimum usage of human and technical resources

L&T Solutions extensive application experience directly translates into superior levels of service and support, from design through installation and actual implementation. With L&T LMS, an outstanding ROI is assured.

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