



LIDD
SUPPLY CHAIN
INTELLIGENCE



LIDD Connect

LIDD CONNECT links Microsoft's Dynamics Business Central ERP with Generix's Solochain WMS-MES to allow manufacturers and distributors to optimally manage traceability, inventory accuracy and manufacturing execution challenges.



LIDD CONNECT

INTEGRATING ERP & WMS

As experts in supply chain management, LIDD designs networks, facilities and processes for manufacturers and distributors. We believe that combining physical and digital aspects of an operation is the path to a successful, comprehensive infrastructure strategy.

In harmony with this design principle, LIDD incorporates Warehouse Management Systems (WMS), Manufacturing Execution Systems (MES) and Enterprise Resource Planning (ERP) software into a global infrastructure approach. We help companies select and implement the right applications to support an efficient, growing operation.

Through its licensed LIDD CONNECT package, LIDD has created a connection between two best-of-breed solutions: Microsoft's Dynamics Business Central ERP and Generix's Solochain. The bridge allows manufacturers and distributors to tackle traceability, inventory accuracy and manufacturing execution challenges seamlessly.

MASTER DATA

LAYOUT INFORMATION

LIDD CONNECT incorporates a 3-dimensional **facility layout** that allows you to:

- Measure dimensions and liquid capacities of warehouse bins
- Build task specific optimised warehouse routes for putaway, picking, staging, etc.
- Understand traveled distances and improve product slotting accordingly

While the WMS handles bin-level inventory, the ERP's material requirements planning algorithm focuses on site-level aggregated inventory and provides more accurate available-to-promise suggestions.

VENDOR CARD

Whether you'd like to inspect an item, set its condition to a hold status or even trigger a specific check list, your **vendor card** must have right attributes available. LIDD CONNECT creates objects and attributes in Dynamics Business Central that match vendor criteria with items. This allows you to drive the behavior of Solochain's receiving process to meet your specific requirements.

ITEM CARD

Countless requirements such as manufacturing and expiry dates, lot numbers, country of origin and temperature influence the item information you need to maintain. LIDD CONNECT enhances Dynamics Business Central's **item card** to capture these scenarios. Maintain master data in one centralised user interface while making the most of Solochain's advanced tracking capabilities.

CUSTOMER CARD

Retailers are sensitive to inventory rotation, often requiring strict shelf life policies. Requirements vary widely by item category, handling requirements and transit time. LIDD CONNECT creates **customer card** attributes within Dynamics Business Central that enforce Solochain's allocation algorithm to select the right inventory given diverse customer requirements.



TRANSACTION DATA

INBOUND TRANSACTIONS

Reaching highly accurate inventory levels begins with capturing item data at **receipt**. LIDD CONNECT imposes thorough release triggers so that the WMS manages every necessary document, including Purchase Orders, Return Orders, Transfer Orders and Credit Memos. The next challenge is efficiently communicating receipt information to the ERP. Scenarios such as cross-docking or fulfilling rush inventory requirements may call for immediate posting, while consolidated posting is more accurate for silo filling. LIDD CONNECT allows you to adjust algorithms to tailor the applications to your business.

INVENTORY CONTROL

WMSs bring a whole new range of attributes to your **inventory**. LIDD helps you make key decisions on how to represent states such as status and condition.

Cycle counting rules also influence inventory accuracy. From defining adjustment tolerances at the licence plate level to controlling recount actions at the user level, the WMS will demand precise configuration. LIDD's integration package enables a complete set of cycle count parameters so that you can drive the behavior of your WMS count tasks directly from your ERP.

BILLS OF MATERIAL & PRODUCTION ORDERS

Determining the proper level of information and functional ownership that an ERP should share with its manufacturing execution tools requires deep understanding of transformation processes. LIDD CONNECT enables processes that are flexible enough to handle multiple change scenarios while enforcing critical control steps. You get the full benefit of **BOM management**, while maintaining a simple **Production Order** creation process and benefiting from advanced MES data capture capabilities.

OUTBOUND TRANSACTIONS

The introduction of mobile data capture allows for real-time control of picking, replenishment, loading and shipping tasks. To properly process **outbound documents**, a business solution must understand the complete document life cycle. Key questions include:

- What is the proper trigger to communicate an order to the warehouse?
- At what point is the inventory reserved for an order?
- What can be updated once an order is picked?
- At what point should a customer be invoiced?

LIDD CONNECT ensures the right level of information is exchanged between systems while managing the complete life cycle of documents.

HANDSHAKING (API)

LIDD CONNECT creates a **reliable, real-time bridge** between your ERP and WMS. The solution covers staging tables, web services, error handling logic and dashboards to seamlessly integrate systems. Battle tested through many implementations, LIDD CONNECT has been perfected to best serve manufacturers and distributors.



WHY LIDD?



Integrated Offering

We can help with mandates from facility design to technology selection and implementation.



Industry Veterans

LIDD's project teams are led by highly experienced professionals who have each managed dozens of supply chain engagements and implementations.

OUR SUPPLY CHAIN INFRASTRUCTURE SERVICES



Facility Engineering

- Distribution center sizing & design
- Slotting analysis
- Capacity and productivity optimization
- Project commissioning of new facilities and expansions



Demand Chain Strategy

- Consumer insights
- Product Commercialization
- Channel Innovation



Information Technology

- Selection of WMS, MES, TMS and ERP software
- Integration and optimization of systems
- Ongoing support



GET IN TOUCH
WITH **LIDD**

Let's figure out if there's a way we can help you solve a problem or reach a goal.

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