

CINO

for Inventory Strategy Optimization



Why CINO?

The immediate benefit of CINO is to enable planning of supply and demand across an entire distributed network of businesses and locations – leading to greater cost savings and greater effectiveness in servicing growing customer needs for the right product to be at the right place at the right time.

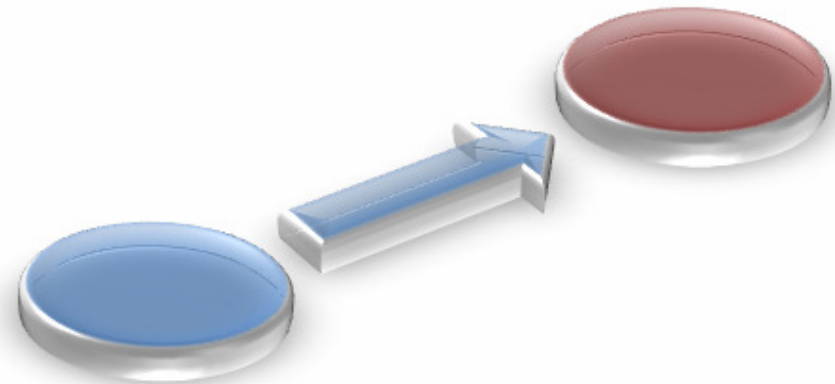
The orders are not only generated based on demands by downstream locations, but by all locations' downstream demand across all time. This is also managed based on the quantity of product that can be supplied by suppliers and suppliers' suppliers over all

locations upstream. This allows the orders to be placed according to the benefit of the entire supply chain, rather than just according to the direct upstream and direct downstream stock needs.

Real world constraints

Common constraints that are found in general supply chain practices can be included in the optimization process of CINO. This will force the optimization engine to find the best solution for the whole supply chain subject to the realities of specific supply chain conditions. Constraints are

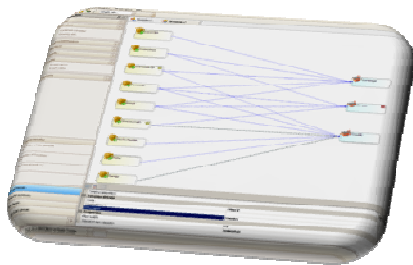
available across the scope of the supply chain extending from supplier supply constraints through to location stocking constraints and transportation min and max levels.



“...align corporate strategies to operational activities.”

Functionality

CINO shows a cost-optimized forward plan type projection of ordering patterns over a forecast horizon. The solution is holistic synchronising order logic across all locations in the supply chain leading to a coordinated flow of product at least cost whilst respecting real world constraints.



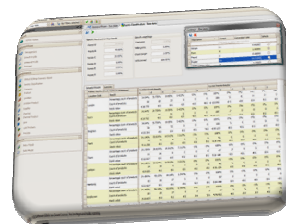
Scenario modeling. The user is able to set up, model, compare and save different “as-is” and “what-if” scenarios.

Optimal policy calculations. Recommended policy settings are calculated by algorithms in conjunction with the results from the CINO optimization engine. Policy levels that can be calculated by CINO include:

- Optimal replenishment cycle
- Optimal safety stock
- Target service levels defined by the user at sales points are translated through the supply chain, so that upstream target service levels are supportive rather than contradictory.
- Forecast error is translated through the supply chain, as above.

A demand management module that allows sales history, forecast history and forecasts to be easily transferred from one location to another

- This module also provides functionality to calculate and modify forecasts.
- Forecasting is possible utilizing the ForecastPro engine.
- Manual forecasting making use of the



seasonality and growth factors is possible.

Sourcing decisions. CINO determines the optimal source and mode of product, based on multi-sourcing and multi-routing options whilst taking in account user-defined sourcing policies, constraints and costs.

Customizable reporting and usability. CINO provides a range of customizable reports and an excellent graphical user interface and simple, compact management of data and processing.

To de-fog the complexity in your global supply chain whilst improving responsiveness to changing environments please contact Lexian Solutions:

Greg Webster, Business Development Director
 +61 (0)2 9440 3357 or +61 (0)418 272 353
greg_webster@lexian.com.au