netra
TECHNOLOGIES
The Information Management Company

MOTORCYCLE MANUFACTURER
SAP SOLUTION IMPROVES BOTTOMLINE

Parts warehouse had high shipping costs
An optimal custom coded cartonization solution in SAP cuts down cost

CLIENT

A global leader in manufacturing of heavyweight cruising motorcycles, parts and apparel.

CHALLENGE

The SCM solution lacked an optimal and cost efficient shipping solution. Client was unhappy with the growing shipping costs. Amongst the many existing issues with the carton packing process were:

- Time-consuming manual entry
- Inability to optimize carton packing for weight and volume tolerances
- Inability to specify fill-percentages
- Inability to support "green" environmentally sustainable efforts due to high usage of cartons and packing material
- Coupled with rising fuel prices, higher shipping costs resulted in a reduction in bottom-line

Purchasing a third-party solution was not an option. Additionally, it was determined that volume of lines processed per day would be more than double the previously expected. The only feasible alternative was to design and develop a custom optimized packing solution within SAP.

SOLUTION

Netra consultants studied the challenge and devised an innovative algorithm to enable optimal carton packing both by weight and by volume within SAP using ABAP code.

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Case Study LOG-185161816-LQ12

RESULTS

- Lowered overall shipping cost
- Optimal packing solution allowed maximum product packing in a carton
- Reduced carton usage
- Reduced usage of packing material
- Reusable, modular, scalable cartonization code
  - Solution was intended to handle a volume of 40,000 lines per day
  - When a sudden onset of more than double the orders caused shipping demand to jump to 80,000 lines per day, the solution scaled effectively
- The new solution was developed, tested and implemented within allotted time, avoiding any go-live delays

VALUE PROPOSITION

- Exceeded customer expectations
- Eliminated need for evaluating, selecting and licensing third-party solutions
- A custom innovative design of a scalable solution
- High level of transparency to all stakeholders throughout the development process
- Technically sound and highly skilled SAP professionals

> *"The Netra consultants did an exceptional job developing modular, reusable, scalable, highly optimal cartonization solution in SAP"*
>
> *SAP Service Delivery Technical Architect*

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