

Vendor Specific Handling and Engineering:

The Challenge:

Our customer is the leading provider of roof windows globally. Based in Denmark they have production sites in multiple European and American locations and are second only to Microsoft in the shipment of windows. All Irish demand is managed in Dublin (based on a 13 acre site, 25,000 pallet location site). Flex Logistics, Dublin had to create an interfaced, seamless solution, trialling new handling methods and re-engineering the inbound, storage and dispatch of the product.

Flextronics solution:

Using Six Sigma and Lean methodologies a full facility design and process / system analysis resulted in:

- Our Warehouse Management System (WMS) being fully interfaced with our customers ERP system (SAP ©) allowing full visibility of all transactions to our customer.
- The re-engineering of the inbound process to allow for multiple origin receipts with differing material handling requirements and equipment (MHE), meant different solutions. These included the receipt of:
 - Caged Product.
 - Pallet and unit level product.
 - Un palletised cubes. This requires the use of clamping equipment to clamp on to the material, turn and put-away

All product entering the system is scanned and identified to the Flex Logistics WMS using the latest in RF scanner technology

- Bulk storage locations for palletised product and kanban pick locations for unit level product.
- RF scanners directing picking and building of customer orders. A blind quality scan conforms customer orders.



MHE in action...



The Results:

Customer satisfaction is key, in this case, the key target metric is that all orders made day one are delivered day two. Thanks to the reliability of receipt, appropriate storage and pick technology employed we consistently achieve our 100% on-time shipment target. Additionally, over 20% of customer orders are delivered same day.