

# Case study

## NewCold Wakefield



The WMS ensures that manpower is deployed as efficiently as possible within the logistics operation and that limited manual actions are required, which increases food safety.



### Worldwide network of coldstores

[NewCold](#) has one of its 11 cold stores in use in Wakefield, England, since 2015. This freezer mainly stores ice creams for one of the largest ice cream producers in the world, but you will also find fries, pizzas, vegetables and the famous Yorkshire pudding. The warehouse is about an hour's drive from the ice producer's largest production facility.

Shuttles run on and off between Wakefield and Leeming Bar, ensuring a constant supply of ice creams to the warehouse. The ice creams are also stored in Wakefield from other production facilities.

There are more than 142,000 pallets in the warehouse waiting for distribution to the consumer.

### Standard Newcold Warehouse

The warehouse in Wakefield is a standard Newcold warehouse. This means that the warehouse consists of a highbay, an expedition, a reception area and a detail picking and mixing room, which is built above the expedition and the reception area. This was built and commissioned in 2015; in 2019 an equally large part has been added, making this site the largest freezer in the UK.

In the almost fully automated freezer warehouse, pallets are automatically moved across the chain conveyors and via automatic cranes between the different sections.

MLS Premium from Davanti - in combination with a MFCS - takes care of the creation and execution of all these movements giving full control of the operation.

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The WMS ensures that manpower is used as efficiently as possible within the logistics operation and that only when doing picking, mixing and loading trucks, manual actions are required.

Although an automated solution has already been put into use for the latter, Automatic Truck Unloading (ATU). Chain conveyors ensure that cargo delivered double-decked in a truck can be automatically retrieved in a very short time.

### Few actions, high volume

NewCold receives inbound orders via interfacing and only a few small administrative operations need to take place in MLS Premium in order to stock up on a full load. Pallets enter via trucks with an integrated chain transport system so that the pallets are placed directly from the truck on a conveyor belt without a single manual action and stored in the high-rise warehouse.

As a result, a shuttle cargo can be handled within fifteen minutes and the shuttles can continue to run at a high pace between the production facility and the warehouse.

Food safety is thus guaranteed; the fewer hands on the products, the less chance of damage.



### Efficiency by interfacing

Outbound orders also arrive via interfacing in MLS Premium and are forwarded to a TMS system.

In this TMS system, the orders are planned in a trip, so that the planner in the WMS only has to link buffer lanes and a dock and take the trip in picking to have the pallets automatically delivered to the expedition.

Then the truck can be loaded and the ice creams can be on their way to the supermarket and eventually to the consumer.

