



Clad rack high-bay warehouse integration project in Ploiesti, Romania

Logistex has completed a new automated high-bay rack-clad warehouse in Ploiesti for Coca-Cola Hellenic Bottling Company (CCHBC), on time and within budget. The project was delivered within a demanding timescale without affecting on-site production.

The new system replaces manual handling, will enable CCHBC to meet growth in the Romanian market, and increase pallet handling capacity by 33%. As well as providing increased volume uptime and a more efficient delivery process, the project gives a more predictable cost base and a significant reduction in energy use.

Features:

- First automated high-bay rack-clad warehouse system in Romania
- Single storage facility with direct link to adjacent production
- 30m high pallet rack with 34,848 pallet positions served by eleven, twin pallet handling stacker cranes
- Computerised Logistex Warehouse System (LWS)
- Logistex worked with consultants to manage the full design, integration and installation of storage and materials handling equipment and systems
- Completed on time and in budget



Coca-Cola
Hellenic Bottling Company
(CCHBC)

The Client's brief

CCHBC identified the need to consolidate stock into a single unit next to its existing production facility, removing the need for inter-site vehicle movements. An automated facility was required to use space more effectively, provide greater stock management and control and equip the company to handle anticipated further demand for its products.

CCHBC was particularly insistent that the work had to be managed to minimise downtime during installation and that the supplier should provide guarantees that the system would be completed within a very tight timescale.

The Logistex Solution:

Two automated powered conveyors (installed 3.5m above floor level to provide maximum usable floor space) bring palletised finished goods from six production line feeds into the warehouse, at up to 290 pallets per hour. They are transferred by automatic conveyors into the high-bay storage area which provides efficient use of space coupled with fast access to products.

The highbay silo is a clad rack construction where the cladding is directly mounted to the racking, without any building, allowing a faster overall build time. The aisles at only 1.54m wide, the cranes make ultra-effective use of cube space, coupled with the cladrack approach creating a small footprint.

Achievements:

- Client fully equipped to handle forecast growth
- Pallet handling capacity up by 33%, increased volume uptime and a more efficient delivery process
- Verified to Romanian earth quake codes
- Capacity to dispatch up to 490 pallets per hour and handle 136 vehicle movements in an eight-hour shift
- LWS ensures stock levels are efficiently managed with fast, accurate product shipments
- More predictable cost base and lower energy consumption.