

COCA-COLA HELLENIC ROMANIA PLOIESTI, FULLY AUTOMATED, HIGH-BAY, MEGA WAREHOUSE

FACT SHEET

Background: The new, highly sophisticated High-bay storage facility at the Coca-Cola Hellenic bottling operations in Ploiesti, Romania provides modern warehousing for the company's products with additional capacity for future growth.

Coca-Cola Hellenic commissioned UK based Total Logistics; a supply chain and logistics consultancy, to assess the operational needs at Ploiesti and propose a solution. Company experts provided an initial design for an automated High-bay storage system that takes palletised products from existing production lines via a main conveyor and into a storage area served by automated cranes.

Two construction companies were employed in realizing the project: Civil Works by Manconz Construct SRL (Romania) and FKI Logistex Retrieval Systems (UK), equipment and technology.

A significant feature of the High-bay storage facility's design is that through its automated systems it reduces the need for inter-site vehicle movements, and thus helps the bottling operation to further reduce its carbon footprint.

The Ploiesti High-bay Storage facility

- The first of its kind in Romania.
- The height of the racks is 32 metres.
- There are 11 twin pallet auto-stacking cranes.
- Pallet storage capacity has been increased by 33% (vs. previous external & internal capacity).
- The total number of pallets that can be stored is 34,848.
- There are 6 auto-powered conveyors to collect products from 6 bottling lines.
- The system is capable of despatching 490 pallets per hour.
- The process can handle 136 vehicle movements in each 8-hour shift.
- Maximum use is made of the 8,240 square metre storage site.
- Due to the highly technical nature of the facility, 50 employees are being trained in operating the sophisticated automated systems.