

Dematic powers next-gen beverage logistics with automation breakthrough in South Korea

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Dematic, a global leader in supply chain automation, has announced the successful deployment of an advanced integrated logistics solution at Lotte Chilsung Beverage's Bupyeong Logistics Centre. The installation marks a milestone for the region as the first fully automated, mixed case order fulfilment system in South Korea and the broader Asian beverage industry.

Lotte Chilsung, one of Korea's largest beverage producers, consolidated four existing distribution facilities into a single logistics hub in Bupyeong. The site covers approximately 8,300 square metres, with a height of 42 metres and a capacity of 9,000 pallets. It services more than 1.2 million cases of beverages annually across convenience stores, e-commerce platforms, general retailers, and food & beverage providers.

Facing challenges including rising labour costs, worker fatigue and growing demand for small-batch, multi-product orders, Lotte Chilsung selected Dematic to design a solution that could address these pressures while also enabling precise, high-speed fulfilment within a limited urban footprint.

Dematic delivered a fully integrated system incorporating a high-density 40-metre Automated Storage and Retrieval System (AS/RS) for space-efficient pallet storage, a sophisticated Dematic Multishuttle system for carton buffering and sequencing, robotic layer picking for automated layer handling, and RapidPall palletising cells that build optimised mixed case pallets. Additionally, an automated dispatch buffer equipped with pallet shuttle technology reduces staging space requirements and enables rapid truck loading. All components are centrally managed by the Dematic Warehouse Control System (WCS) that is seamlessly integrated with Lotte Chilsung's enterprise systems.