

Dematic IQ (Former Reddwerks)

Dematic, founded in Grand Rapids, Michigan, Dematic in 1891 with over 4400 employees worldwide today is an American company that provides automation software for supply chain management applications.

Dematic [acquired Reddwerks \(an early entrant in the WES space\)](#), in 2015 to create its own WES based on Reddwerks' Distribution Science (now under the Dematic Reddwerks brand). According to Dematic Reddwerks, its platform can aid warehouse management operations in identifying the most-efficient picking density for warehouse robots or in optimizing the order-release workflow.

[In a case-study](#), Dematic worked with an American apparel retail manufacturer to support their retail store fulfillment (replacing items in stores) by using the Dematic IQ WES. According to Dematic, their WES was used to develop a distribution center for the to replenish products in 3,900 retail stores.

Challenge:

- The apparel retailer needed to change their store fulfillment operations for eight individual store brands into one distribution center which meant that the distribution center need to have a high density of storage and simultaneously ensure speedy product replenishment.

Actions Taken:

- The Dematic WES was used to optimize operational processes for the whole distribution center right from order receiving (from data in the clients ERP systems) to shipping and scheduling (with data from the WMS).

Purported Results:

- The company claims that Dematic retail store replenishment system helped the retailer to accommodate up to 600,000 pieces per day replenished in their stores which was about the required demand for all replenishment of all eight brands (including peak conditions). Dematic also claims that their system reduced processing costs and expanded storage capacity, although more detailed measurable results were not revealed by Dematic at the time of writing.