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| Title | Abstract | Published Date | Remarks |
| [Improving warehouse operations—digitally](https://www.mckinsey.com/business-functions/operations/our-insights/improving-warehouse-operations-digitally) | A digital twin lets companies design, simulate, and test new warehouse operations and product movements virtually, before starting up new sites or making changes within existing sites. | Feb 20 |  |
| [Automation has reached its tipping point for omnichannel warehouses](https://www.mckinsey.com/industries/retail/our-insights/automation-has-reached-its-tipping-point-for-omnichannel-warehouses) | Automation offers a range of benefits for warehouses, from increasing productivity to reducing risk related to labour. To harness its full potential, retailers must develop an end-to-end strategy. | Dec 21 |  |
| [Unleashing the Power of Data with IoT and Augmented Reality](https://www.bcg.com/en-sea/publications/2020/unleashing-the-power-of-data-with-iot-and-augmented-reality) | To quickly kick off a virtuous cycle of cost savings, revenue increases, and higher profits that can prompt a double-digit increase in top and bottom lines, companies should develop a joint IoT-AR strategy | March 20 |  |
| [A new approach to warehouse automation](https://www.accenture.com/us-en/insights/industry-x/warehouse-automation) | The need for efficient warehouse operations has only grown with the rise of e-commerce. Warehouses play an important role in the relationship between companies and their customers, and inefficient operations can negatively impact customer satisfaction. | May 21 |  |
| [How the smart factory can make your shop floor smarter](https://www.ey.com/en_my/alliances/how-the-smart-factory-can-make-your-shop-floor-smarter) | The smart factory is a fully integrated system that provides a consolidated view of the factory, which improves manufacturing efficiency. | Mar 19 |  |
| [Smart warehouses spread to new markets](https://www.jll.com.sg/en/trends-and-insights/investor/smart-warehouses-spread-to-new-markets) | Retailers are turning to robots amid rising expectations for fast deliveries | June 21 |  |