

PROLOGIS RESEARCH SPECIAL REPORT | January 2021

Logistics Real Estate and E-Commerce Lower the Carbon Footprint of Retail

Research extract

Driven by the stay-at-home economy, e-commerce set records during the 2020 holiday season.

This new study by the MIT Real Estate Innovation Lab reveals the tangible environmental benefits of online shopping.

Aside from the immediate positive impact on emissions, the outlook of an increase of 80% in package delivery over the next decade combined with the on-going innovations such as more effective planning, package innovations, smart buildings, electrification of vehicles and artificial intelligence (AI) can foster even more sustainable operations.

Read the full research >>

"In Europe, we will continue to see the strong positive effects of the innovations in e-commerce on emissions."



Dirk Sosef
Vice President Research & Strategy

Further questions?

Phil Raitt
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Key infographic

36%

Fewer emissions online vs. instore shopping

E-commerce has a sustainability advantage

90%

Fewer transportation-related emissions from goods consolidation

Consolidating goods increases efficiency compared to consumer transportation

>100

Car trips replaced by full standard van

10%

Fewer emissions per package from built-out logistics networks

Urban fulfillment centers are essential for a sustainable future

5%

Fewer emissions from vehicle electrification

Technology could significantly reduce emissions

10%

Fewer missions from Advanced Analytics and IoT solutions

Read the full research >>