



Enabling Freight, Enabling Our Future:
How technology, policy and new ideas will deliver results

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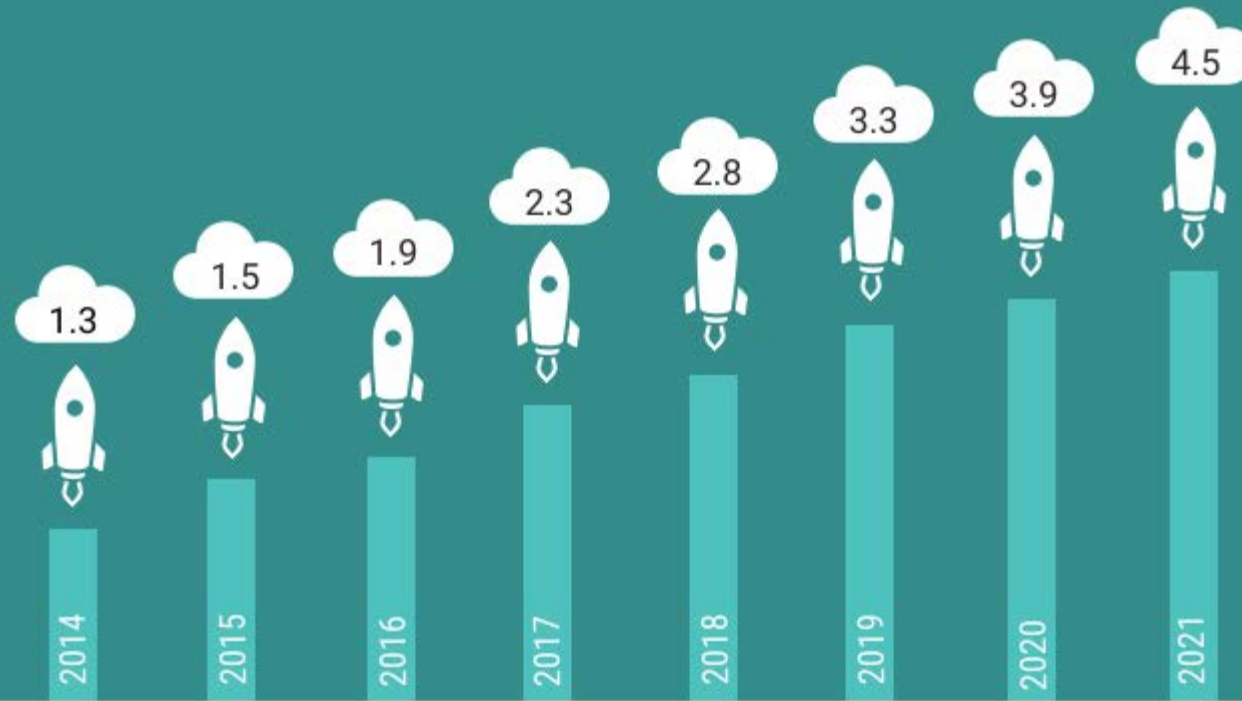
By 2050, nearly 70 percent of the world's population will live in cities.

How will those residents get around, get to work, get to school and get the things they need?





Total worldwide ecommerce sales in trillions of U.S. dollars





Quality of life:

reduced congestion and
personal automobile use

better air quality and lowered
environmental impact

walkable and bikeable

robust retail and local
business growth

sense of place



The intersection of these megatrends raises critical issues both to cities and UPS:

- Ever-increasing congestion and curbside challenges
- New technologies, new vehicles and new business models
- Need to integrate many different transportation modes
- Shifting economic, infrastructure and labor landscapes
- Air quality issues and climate change

Left unchecked, any of these pose risk to cities and UPS. How they are addressed in the future will have an impact on our productivity and profitability.



Cities / Overcoming online retail delivery congestion

27 April 2017 / 10 / [Kate Sanderson](#)

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+ Online retail is booming, but as city streets clog up with delivery vehicles, how can shops...
Online retail continues to grow, and office deliveries are up



With online shopping on the rise, cities look to address congestion impacts of deliveries

Cities Seek Deliverance From the E-Commerce Boom

ANDREW ZALESKI APR 20, 2017

It's the flip-side to the "retail apocalypse." A siege of delivery trucks is threatening to choke cities with traffic. But not everyone agrees on what to do about it.

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This post is part of a CityLab series on [open secrets](#)—stories about what's hiding in plain sight.

Just before 3 in the afternoon on a rainy spring day, Keith Greenleaf busts out his "bricklaying" skills. That's delivery-driver parlance for balancing an inordinate amount of cardboard boxes on a metal handcart. As high as his collarbone he stacks them, packages labeled HP, J. Crew, Amazon Prime. "This is probably one of the first days I don't have Pampers or dog food," he says.



METRO

Double-parked trucks in bike lane hit by NYPD ticket blitz

By [Matt Abrahams](#) and [Kirstan Conley](#)

February 27, 2014 |



Cities mobilize to avert 'peak delivery' congestion

[John Davies](#)

Tuesday, April 24, 2018 - 1:42am



Sustainable urban innovation as an engine of business growth

UPS is already working with cities globally to develop new best practices in urban goods movement, congestion mitigation and public-private partnerships to drive competitiveness:

- More than 30 ongoing urban delivery pilot projects worldwide, including U.S. projects in Portland, Pittsburgh, Ft. Lauderdale, and more to come like Washington DC and Seattle
- Leveraging “Rolling Laboratory” of 9300+ alternative fuel vehicles
- Huge range of potential UPS approaches - vehicle electrification, lockers, access points, big data applications and data sharing, routing, alternative delivery methods and emerging mobility technologies
- Data and research based initiatives such as ORION and UPS’s collaboration with the University of Washington’s Urban Freight Lab, Georgetown University, MIT’s Megacities Logistics Lab and more.
- Recognition that there’s no silver bullet to city competitiveness – need for a spectrum of technology and policy solutions



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EDUCATION

Urban Package Delivery Heads to the Classroom

The fourth installment of MetroLab's Innovation of the Month series highlights how a partnership between UPS and Georgetown University created a new learning experience for future urban planners.

BY BEN LEVINE / DECEMBER 8, 2017





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Worldwide Services



Policy proposals to reduce congestion and enhance efficiency

- A few of the working ideas under consideration between UPS and city leaders include:
 - Flex zones, green freight loading zones, parking placards and reduced ticketing
 - Additional incentives and support mechanisms for future mobility projects
 - Increased commercial parking and potential automated enforcement
 - Changes to building design and zoning code
 - Greater incorporation of e-commerce and freight into city planning and design
 - Reduced personal vehicle congestion
 - Staging area and authorization for e-trikes
 - Opportunities to test new technologies and pilot projects
- **Congestion, parking issues and other roadblocks to competitiveness don't benefit anyone. The key is to work together and to create a framework for long-term success**



Moving Forward

- Cities are getting busier and we will only continue to see urban issues demand our attention
- UPS will continue to lead the way on policy and technology solutions, working directly with cities and municipalities to identify win-win solutions
- Technology or policy alone will not work – combination is what enables us to win
- Longer term: how can we encourage innovation and foster a culture of collaboration?



Smart mover
UPS vans to
go all-electric
in London

Delivery and logistics group UPS said yesterday a technological development in its central London fleet would soon be made up of electric vehicles, marking the "beginning of the end" of the reliance on internal combustion engines. The US company said a radical electric vehicle-charging "smart grid" had solved the problem of needing to recharge a large number of vehicles simultaneously, without an expensive upgrade to the power supply grid. UPS will increase the number of electric trucks it operates in central London from 52 to 170 over the next few years. Going electric will soon be a

cheaper alternative to diesel, the company said. "We certainly believe this to be groundbreaking," said Peter Harris, director of sustainability at UPS Europe. The development will herald "a new generation of sustainable urban delivery services both here in London and in other major cities around the world." The new technology works by spreading the same amount of electricity between vehicles more efficiently, though all can be plugged in simultaneously, a computer will stagger which vehicles charge when

