



Sustainable Urban Logistics

27 June 2017

Peter Harris, Director of Sustainability, Europe



U.S. Domestic & International Small Package »



150,000 Retail Entry Points

U.S. Domestic Package
Full spectrum of U.S. domestic guaranteed ground and air package transportation services

International Package
A wide selection of guaranteed day and time-definite international shipping services

Package Delivery Fleet (package cars)
88,000



237 Aircraft

Supply Chain & Freight »



Logistics & Distribution
Solutions to manage the flow of goods from receiving to storage to processing to shipping

UPS Freight
Less-than-truckload and full truckload services in North America and U.S. territories

UPS Global Logistics Network

17,800 Tractor Fleet



Freight Forwarding
A portfolio of global air and ocean freight services



UPS Capital
Insurance, financing, and payment services

Customs Brokerage
Customs clearance, trade management, and international trade consulting services

ups

What We Do

We are the world's largest package delivery company and a premier provider of global supply chain solutions



ups.com/sustainability

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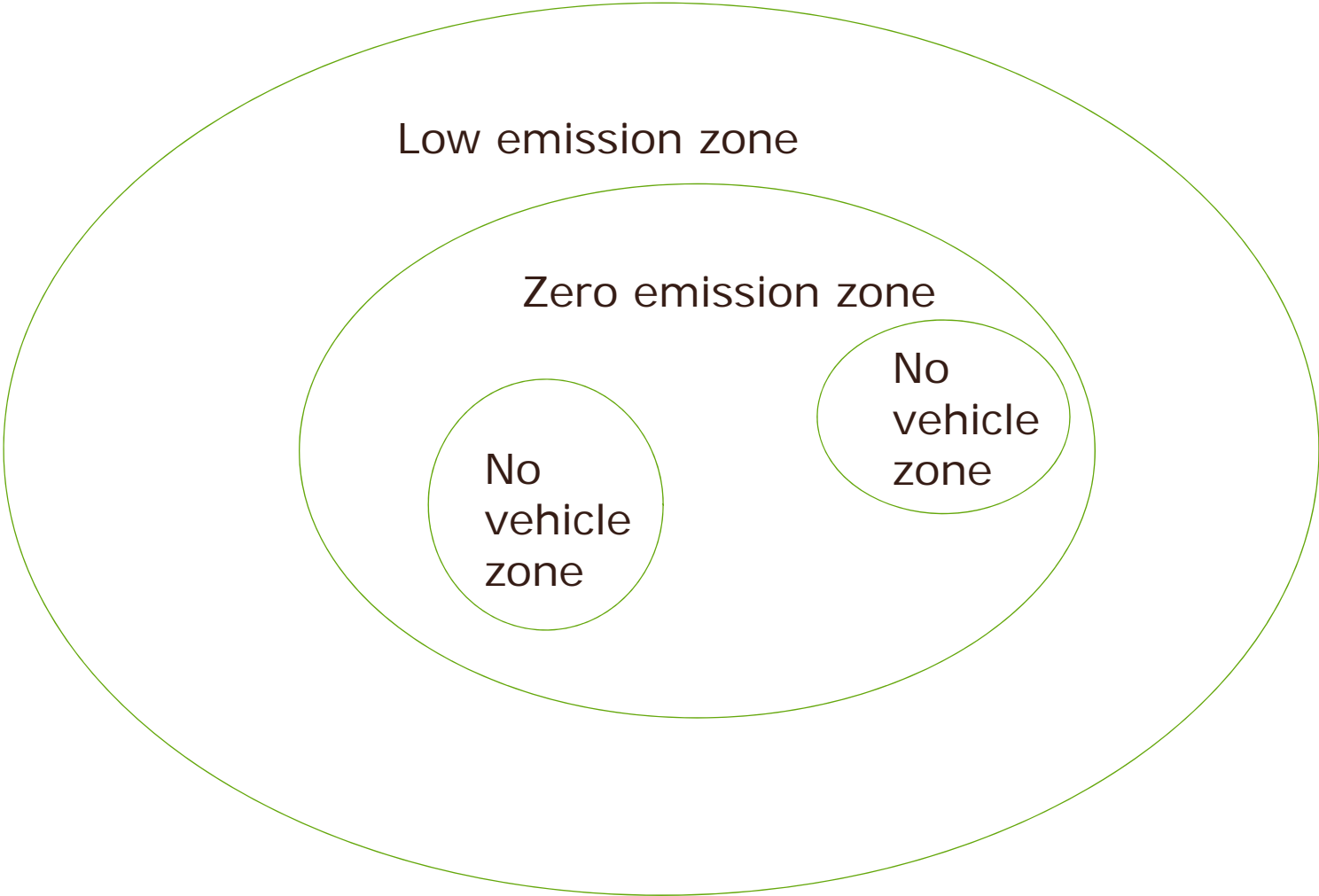
Our world – key sustainability challenges

- Cities are telling us that 'business as usual' with diesel vehicles is no longer good enough
- Transport is Europe's biggest greenhouse gas challenge

"With more than 100,000 drivers logging more than 3 billion miles per year, our future depends on our ability to meet the growing demand for global trade while reducing our impact on the environment" David Abney, CEO UPS, August 2016



So this the future urban landscape we need to plan for

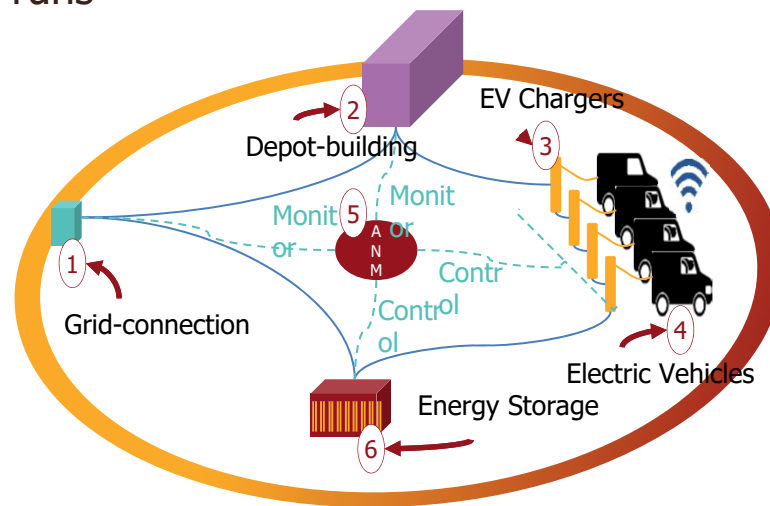


Which requires a culture of innovation.....



- Pure and range-extended EV conversions for urban EV capability and long stem runs

Smart-grid to reduce or eliminate the need for expensive power infrastructure upgrades



The package car of the future:
Revolutionary design including autonomous-capable



UPS unveils Dublin 'eco package hub' to reduce delivery van journeys

An "urban eco package hub" has been launched by package delivery firm UPS that will limit the amount of delivery vehicles operating in the city centre to ease congestion and pollution concerns.



UPS has already trialed similar schemes in Austria, Belgium, France, Germany, Italy and other parts of the UK

UPS announced on Thursday (1 June) that a locally-designed container has been placed on Wolfe Tone Street that will support package deliveries made by foot, bike and electrically-assisted cycles and tricycles.

Acting as a mini distribution centre, the "urban eco" container hub will eliminate the need for four vehicle dispatches in the city centre each day.

"As one of Europe's fastest growing cities, Dublin is going through an exciting period of change - but one that also comes with challenges of congestion and air quality," UPS's Ireland country manager Andy Smith said.

"We see this urban eco hub as an important part of the community. It addresses and reduces congestion and greenhouse gas emissions, and sits as a piece of public art that celebrates local talent."

ORION: On-Road Integrated Optimization and Navigation

- » Analyzes stops for the day and identifies an optimized route
- » **2014: Deployed to 23,000 U.S. Drivers**
Realized a six- to eight-mile reduction per route
- » **2016: Deployed to all U.S. Drivers**
- » **Annual Savings at Full Deployment:**
 - 100 million miles
 - 100,000 CO2 metric tonnes
 - 10 million fuel gallons



Customer options

UPS My Choice™



Allows customers to control delivery time and location

UPS Smart Pickup™



Schedules a pickup only when needed

UPS Access Point™



Provides customers a centralized location for package pickup and delivery

Result: Fewer Trips, Less Fuel, Reduced Emissions



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UPS PackPerfect



	Current situation	After Repacking with Packsize	Savings
Total Corrugated	106,375 m ²	73,000 m ²	31 %
Total Package Volume	4,711 m ³	2,827 m ³	44%





Thank you
www.sustainability.ups.com

