



Freight Facilitation: Delivering Quality of Life

Thomas Madrecki
Director of Urban Innovation and Mobility
UPS Global Public Affairs











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?



In this new paradigm,
it's essential to
understand that freight
and e-commerce
delivery services
facilitate quality of life.

In fact, they are
essential to the
neighborhoods of
tomorrow.



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

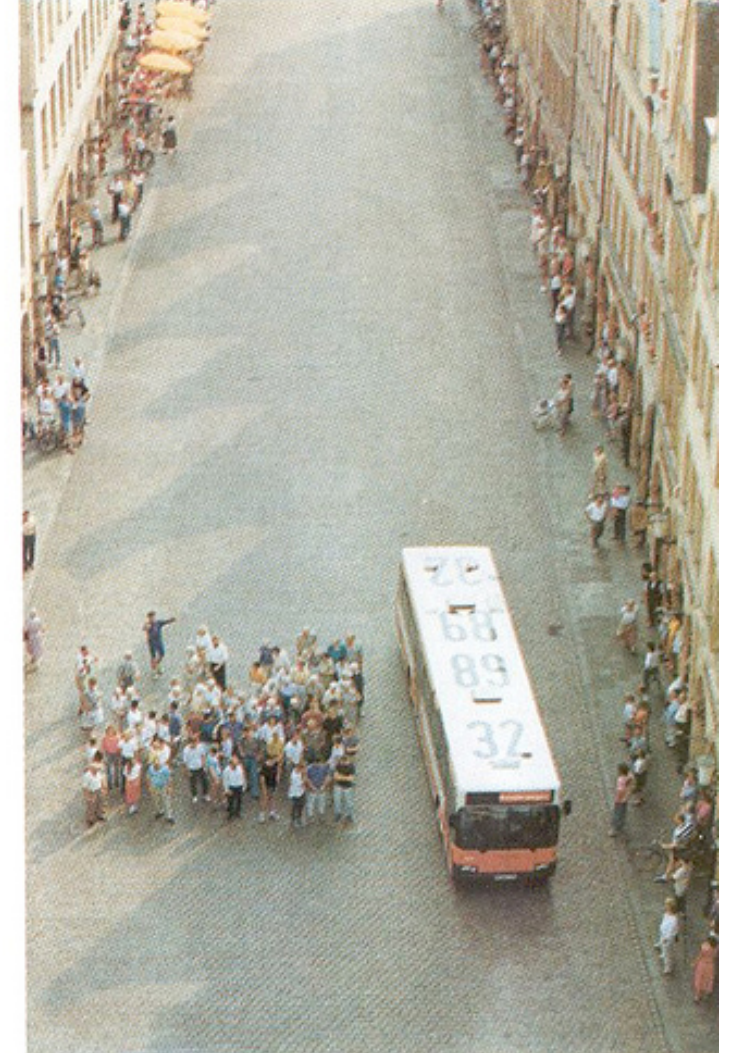


Delivering
quality of life
requires
delivery
services

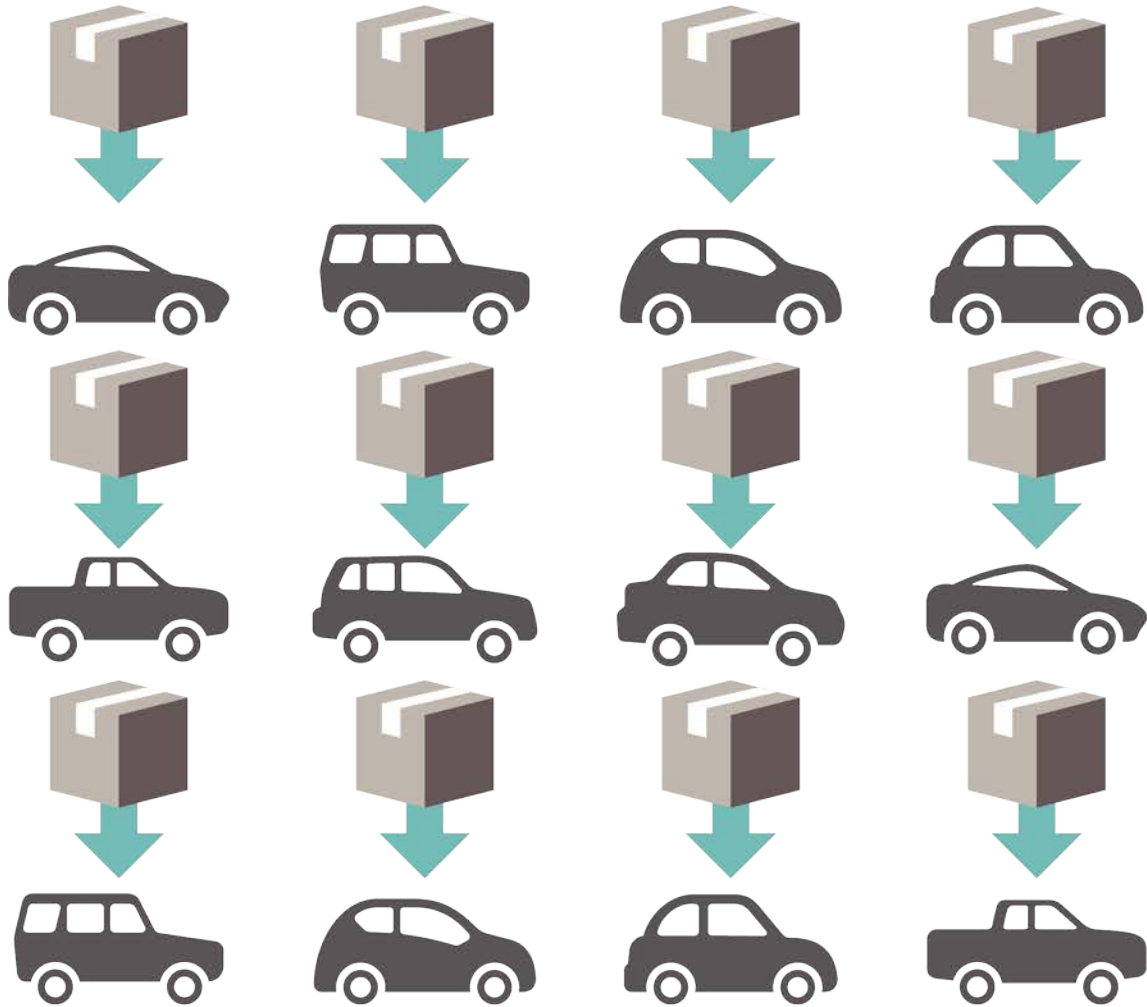


What does this have to do with UPS?

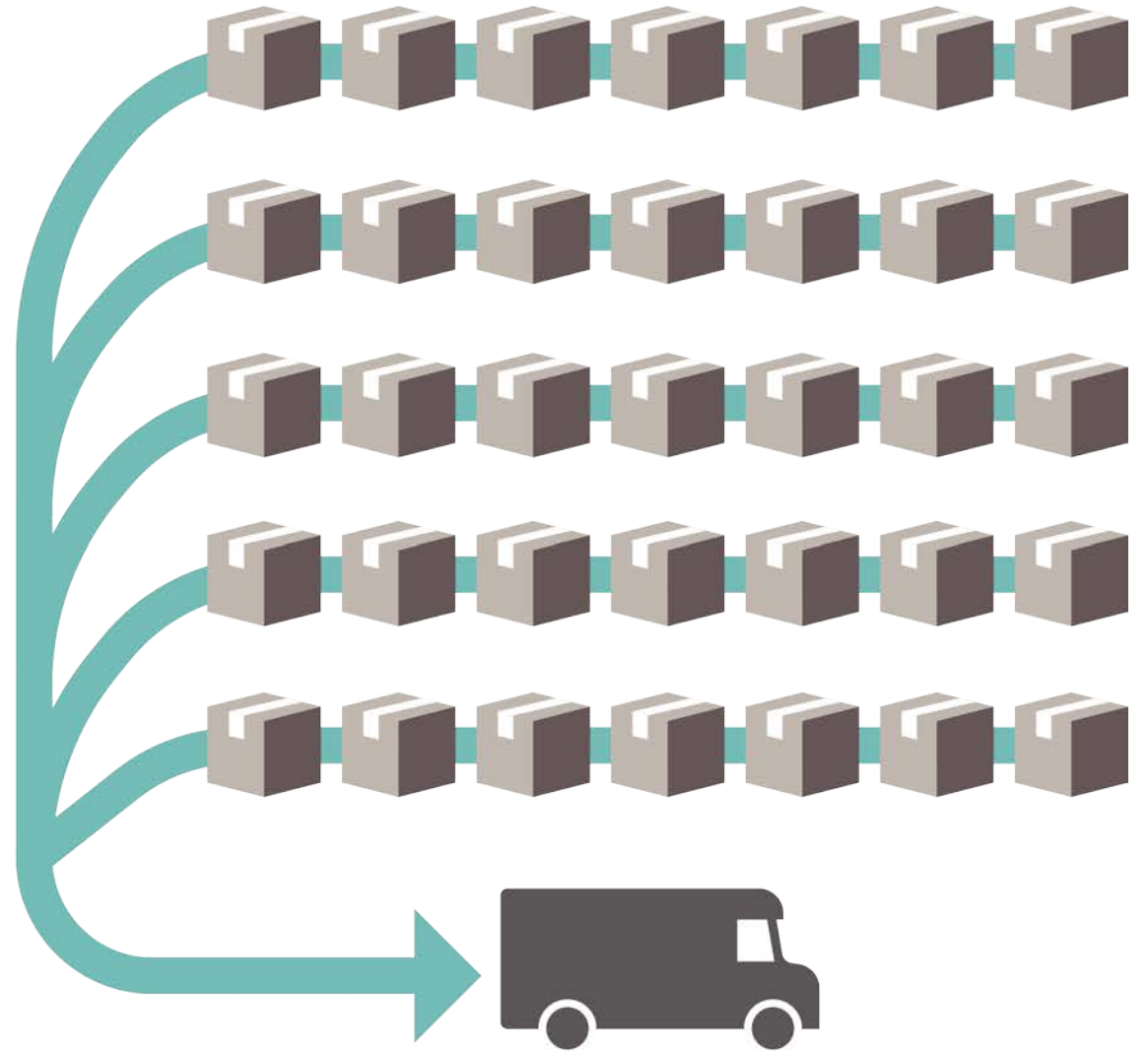
Everything



A World Without E-Commerce



A World With E-Commerce



But the key will be how cities and companies can work together to solve mutual challenges:

- REDUCING PERSONAL AUTOMOBILE USE - THE TRUE DRIVER OF CONGESTION
- BETTER INTEGRATION OF ALL MODES - TRULY COMPLETE STREETS
- CURBSIDE MANAGEMENT AND LOADING ZONE CHALLENGES - BOTH FOR DELIVERY COMPANIES AND UBER/LYFT MODELS
- PROACTIVE PLANNING APPROACHES FOR NEW TECHNOLOGIES - FROM AUTONOMOUS VEHICLES TO DRONES TO E-TRIKES TO SMART SENSORS
- BIG DATA - AND HOW TO LEVERAGE PRIVATE SECTOR BEST PRACTICES



UPS is already working with cities to develop future delivery solutions that promote quality of life:

- MORE THAN 20 ONGOING PILOT PROJECTS IN EUROPE - INCLUDING HAMBURG, DUBLIN, LONDON, MUNICH AND MANY MORE
- TESTED E-TRIKE LAST YEAR IN SEATTLE; JUST LAUNCHED IN TORONTO AND SOON TO LAUNCH IN PITTSBURGH
- WASHINGTON DC PILOT PROJECT IS MOST PROMISING OF THEM ALL, WITH POTENTIAL TO BUILD OUT "DELIVERY OF THE FUTURE" ECOSYSTEM
- WORKING WITH ACADEMIC PARTNERS LIKE UNIVERSITY OF WASHINGTON URBAN FREIGHT LAB, GEORGETOWN UNIVERSITY AND THE MIT MEGACITIES LOGISTICS LAB
- PLUS, EXISTING SUSTAINABLE SOLUTIONS LIKE ORION ROUTE NAVIGATION AND MORE THAN 8000 ALTERNATIVE FUEL VEHICLES



There's no silver-bullet solution to urban delivery

- OUR GOAL IS TO DEVELOP BEST PRACTICES IN THE APPLICATION OF TECHNOLOGY, OPERATION, LONG-TERM PLANNING, AND CITY POLICY FOR SUSTAINABLE URBAN DELIVERY - NOT JUST THE LAST MILE, BUT THE LAST 50 FEET, TOO
- WE KNOW A FEW PARTS OF THE TOOLKIT, BUT DON'T HAVE ALL THE ANSWERS YET - NEED FOR TRANSPARENT PARTNERSHIPS WITH CITIES
- HUGE RANGE OF POTENTIAL APPROACHES - IT'S NOT JUST E-TRIKES - IT COULD BE ZONING OR BUILDING CODE, LOCKERS / ALTERNATIVE DELIVERY LOCATIONS, PARKING REGULATIONS, ENFORCEMENT, CURB CUTS, INNOVATIONS IN HANDCART DESIGN, DATA SHARING OR EVEN JUST WALKING INSTEAD OF DRIVING
- HOW CAN WE COLLABORATE TO DELIVER MUTUALLY BENEFICIAL RESULTS?

