



THE HOME OF THE WORLD'S LARGEST FULLY ELECTRIC DELIVERY FLEET



Sam Clarke, Director and Co-founder, **Gnewt Cargo Ltd.**



[www.gnewtcargo.co.uk](http://www.gnewtcargo.co.uk)

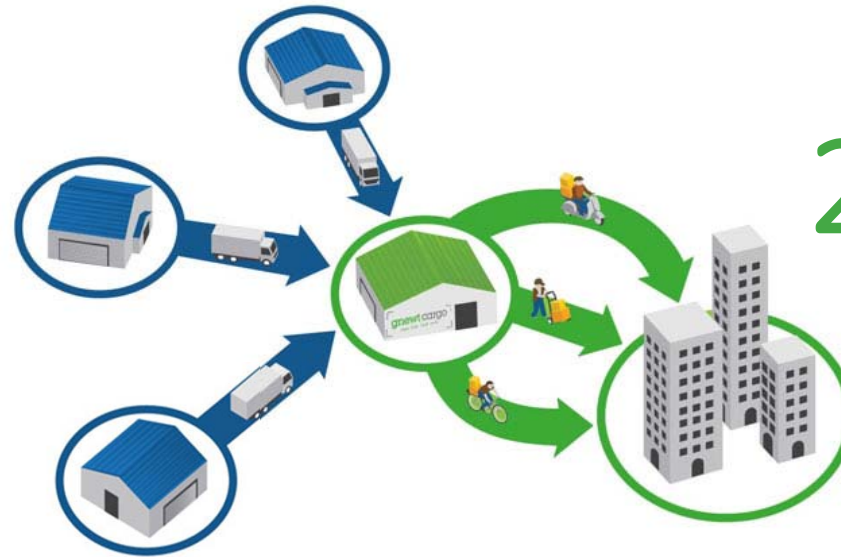




## Our Solution

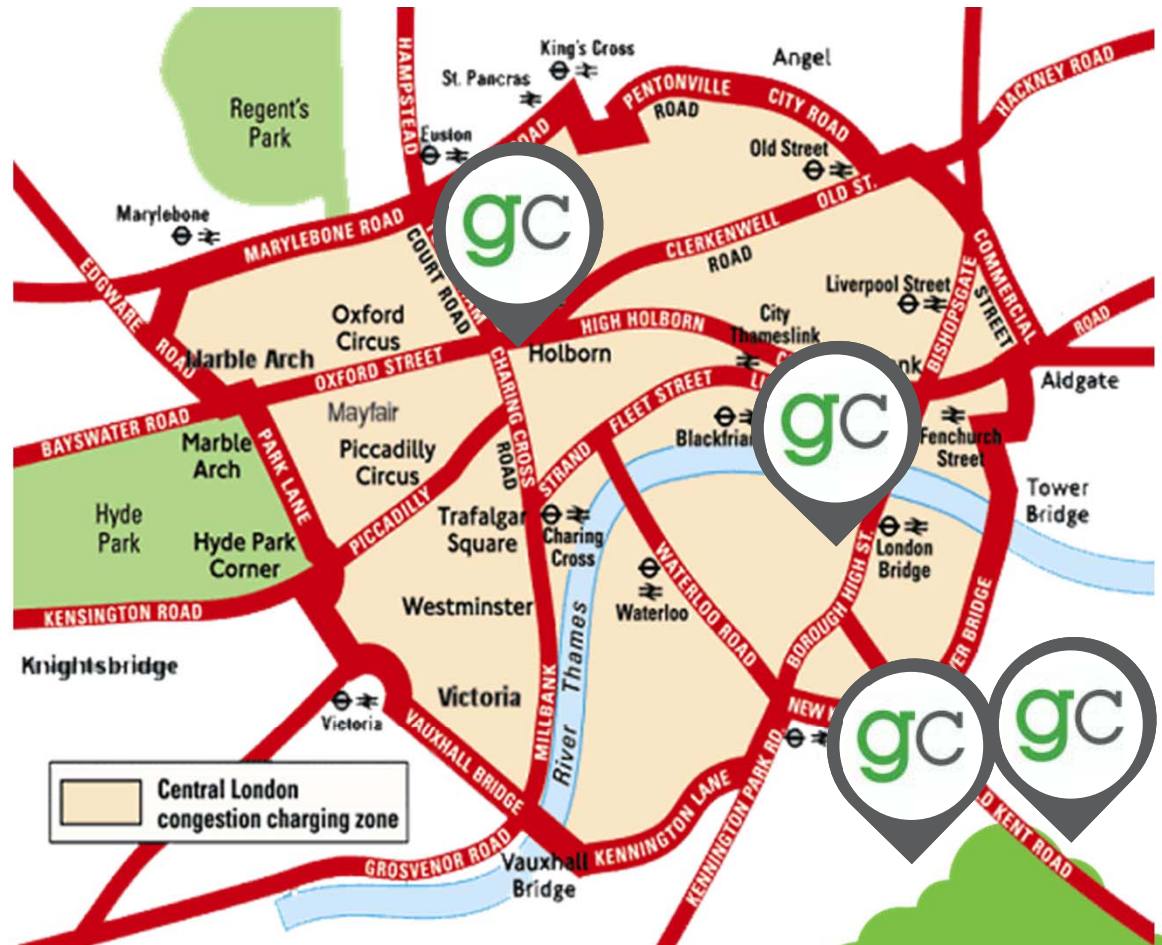
Over  
**100**  
electric vehicles  
in our fleet

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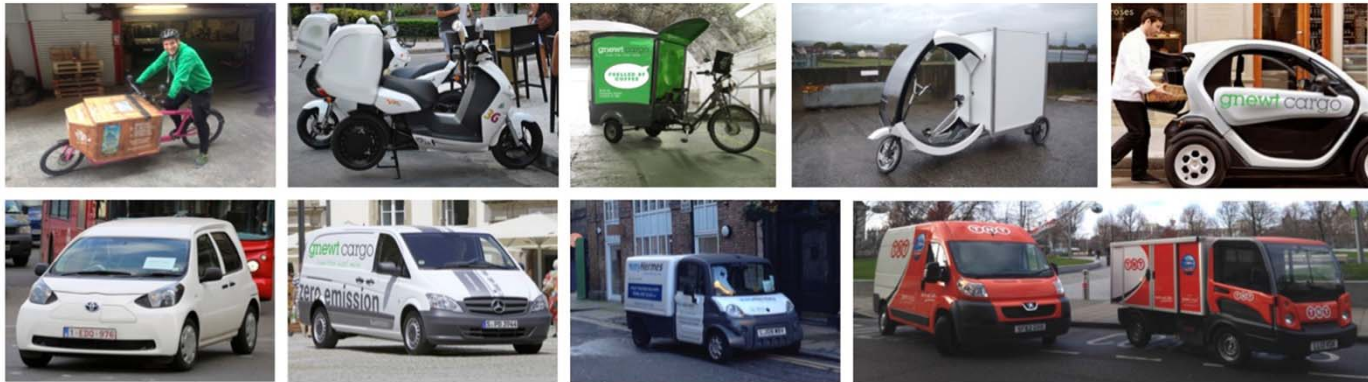
We Delivered over  
**2,634,000**  
items last year  
zero emission

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# Our ZERO EMISSION Fleet



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# City Challenges – Services perspective

What has changed in urban deliveries?



## Final Mile

Next day delivery.



## Instant Fulfilment

Prompt delivery of fast moving lines from stock held at selected warehouses.



## First Mile

Central city collections



## Evening & Weekend

Re-timing – delivering parcels to customers outside normal office hours



## AM for PM

Pick up in the morning and deliver that afternoon.



## Virtual Address / In-flight diversions

Services for consumers who can't take deliveries at work or at home.



## Bespoke Services

- Timed delivery runs
- Dedicated vehicles
- Jointly branded livery
- Store replenishment
- Store transfers
- Store to customer delivery

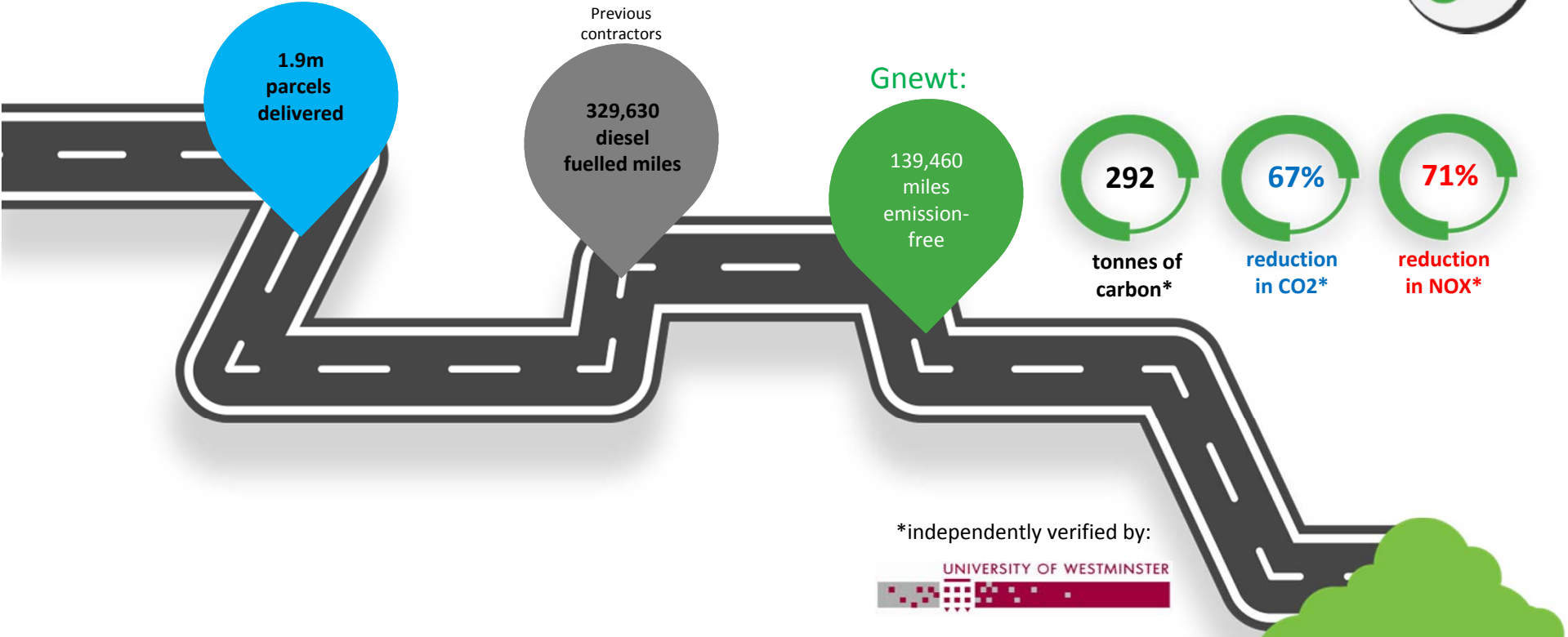


## City Challenges – reality of consolidation at scale

- Vehicle capacity (payload, cubic, range)
- Multiple carriers, multiple trunking schedules
- Each carrier has its own unique IT system/s
- Automated routing in urban areas ineffective
- Multiple handsets and manifests per driver
- Security, data protection
- Payment mechanisms, fixed rates, piece rates, drop rates etc.
- Lack of availability of property suitable for large scale delivery in urban areas
- Limitations of electric vehicle range, payload, cubic capacity



# Example - environmental statistics from 2015



\*independently verified by:



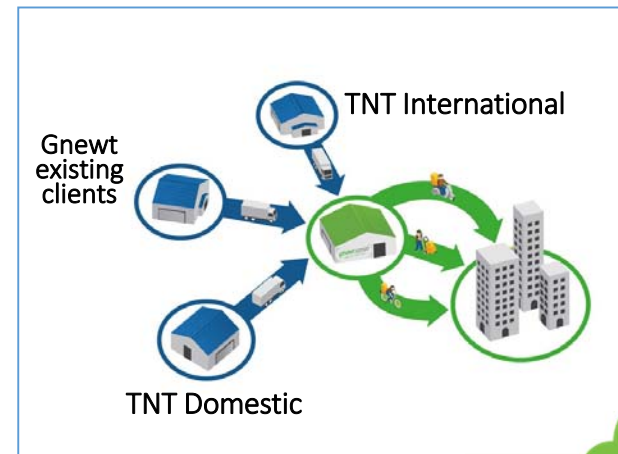
# CityLab – Provisional impacts data

To evaluate the impacts on:

- Total distance driven in London and in delivery area
- Road space occupancy during parking while making deliveries
- Energy use and greenhouse gas emissions
- Costs

## % change BEFORE-AFTER September 2015 to September 2016

- 0% in total number of trips
- ✓ 67% reduction in miles/parcel delivered
- ✓ 100% in: CO<sub>2</sub>/parcel, NO<sub>x</sub>/parcel at the tailpipe, tailpipe emission reduction for particles/parcel
- ✓ 93% of the empty distance driven by all vehicles/day
- ✓ 52% parking length requirement for all vehicles/day







*love the  
last mile*

thank you.

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