



CITYLAB Implementation Action London: Growth of consolidation and electric vehicle use at TNT and Gnewt Cargo



J. Leonardi



CITIES AND REGIONS NETWORKING
FOR INNOVATIVE TRANSPORT SOLUTIONS

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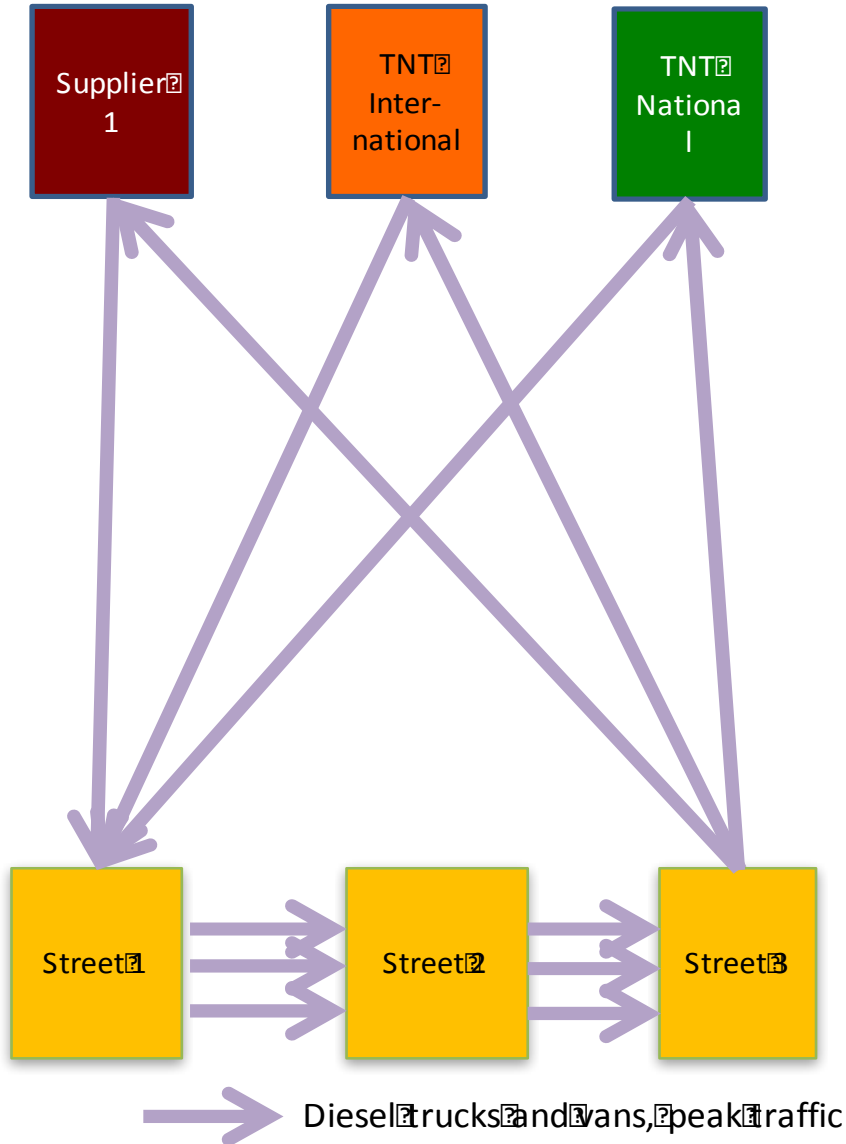
Objectives

- To grow the business of electric freight, and to monitor it thoroughly, in order to better understand the business case.
- 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
- To coordinate the trial with the London Freight policies and networks, within the London Living Lab

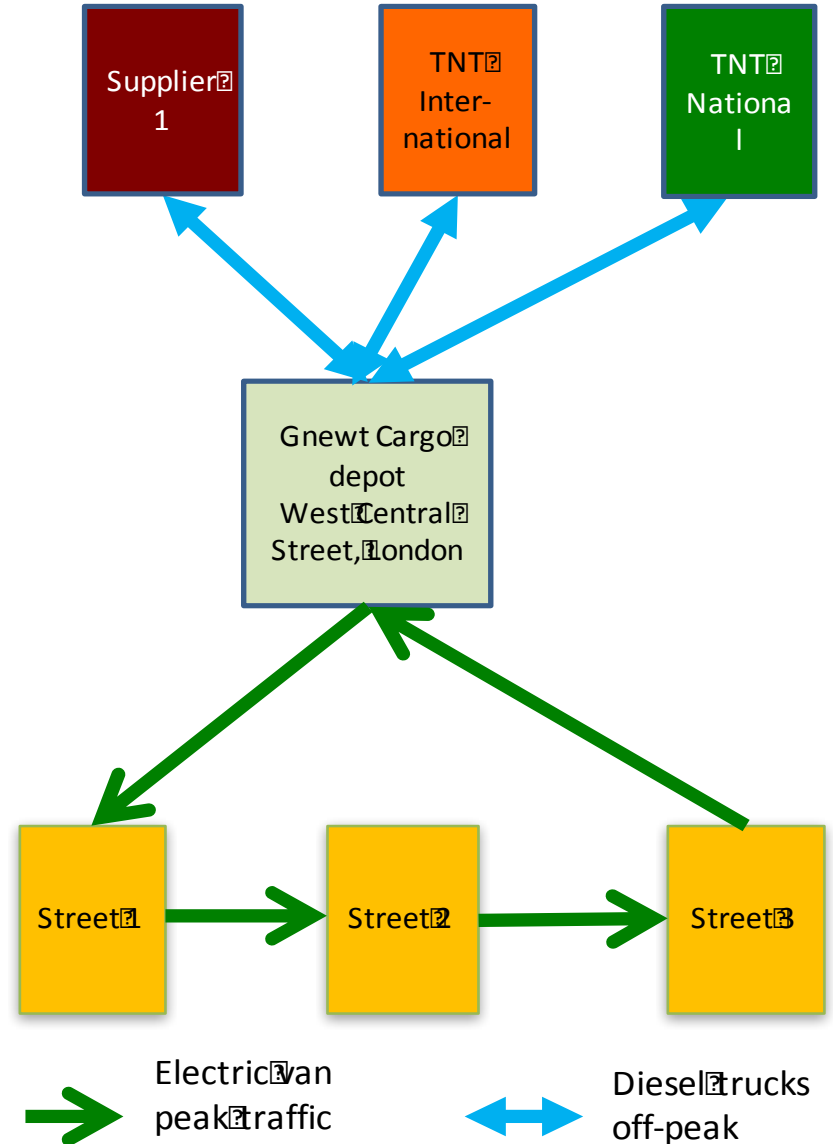
Logistics Model of Gnewt Cargo: multi-carrier, multi-depots, consolidation of deliveries

Limits of the system of data collection

BEFORE starting using Gnewtcargo



AFTER starting using Gnewtcargo



**BEFORE: Standard 3.5t diesel van:
Capacity of 1270 kg and 15 m³**



AFTER: new vehicles



Gnewt Cargo as TNT Subcontractor

Business growth

Gnewt Cargo depot
2500 m² and
60-100 vans



TNT London depot
3500 m² and
50 vans

TNT and Gnewt Cargo

- TNT already has Gnewt distributing their international parcels in London
- TNT accepts shared use of vans and space for subcontractors
- TNT identified a large potential for B2B parcel business increase: domestic freight
- Shift of domestic freight from other subcontractors (diesel van starting from suburb) to Gnewt Cargo (electric van starting from Centre)

Specific problems/barriers

→ potential solutions

- *We don't know* how to grow and scale up sustainable urban logistics solutions
→ **CITYLAB started working on scaling up**
- Biggest problem is that none of the Gnewt Cargo *depots* in Central London are accessible by a big truck
→ **Setting up of a new depot, suitable for growth**
→ **Help from TfL, London Boroughs, CRP**
- Growth implies a shift in business from one subcontractor to another → **contractual change?**
- *Shared use* of depots and vehicle and customer data
→ **businesses accept the idea that subcontractors could share depots, vehicles & data?**