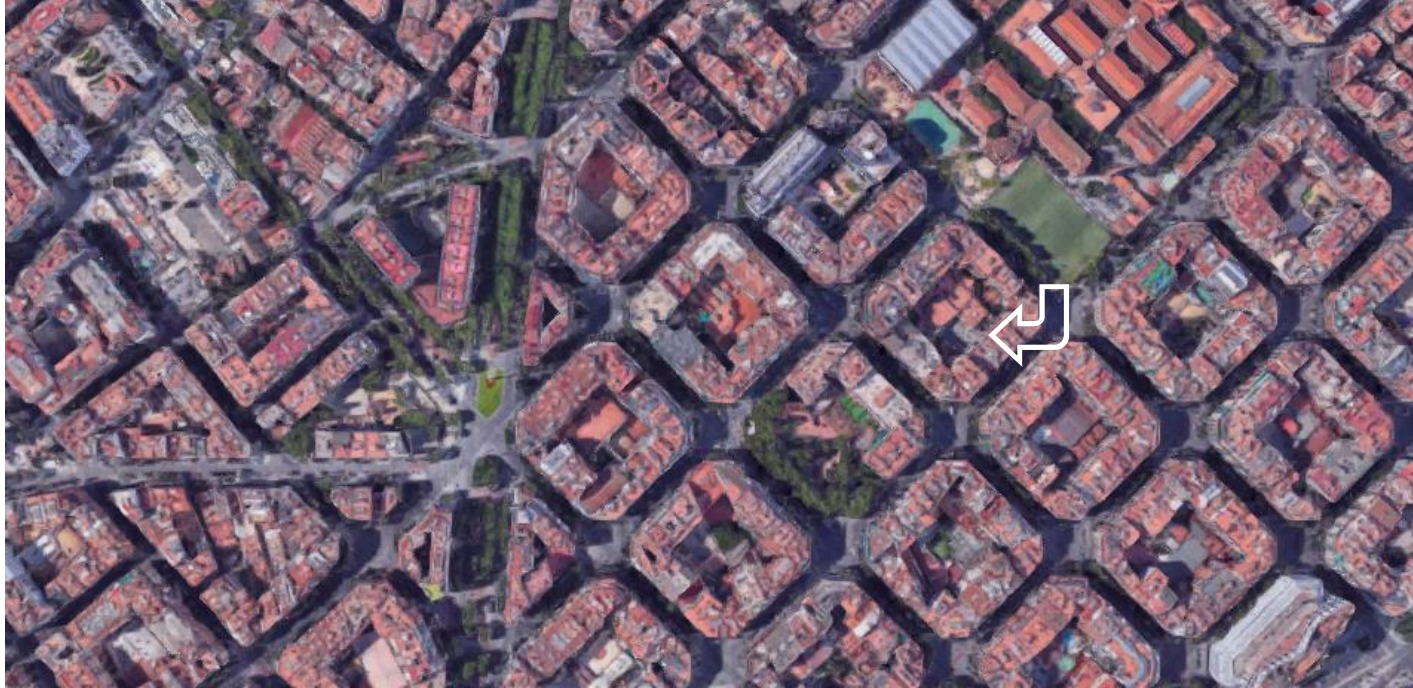


# Amazon in Barcelona

In a former printing facility



# Clean delivery vehicles

# gnewt

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## Welcome

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

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Renault  
Kangoo EV



Nissan  
ENV-200



Mercedes  
E-Vito



Allied  
Boxer



Goupil G5



Toyota



Bullitt Bike



Renault  
Twizy



Cargocycle



# UPS, pilot in Paris 02, 2019



Ubismart and  
Libner, pilot tested  
in Paris 08, 2017



# Barge + cargocycles: Vert Chez Vous in Paris *(closed in 2014)*

















# The new logistics real estate frontier: urban warehouses

Warehouses located in an urban environment

Part of the “invisible city logistics innovations”

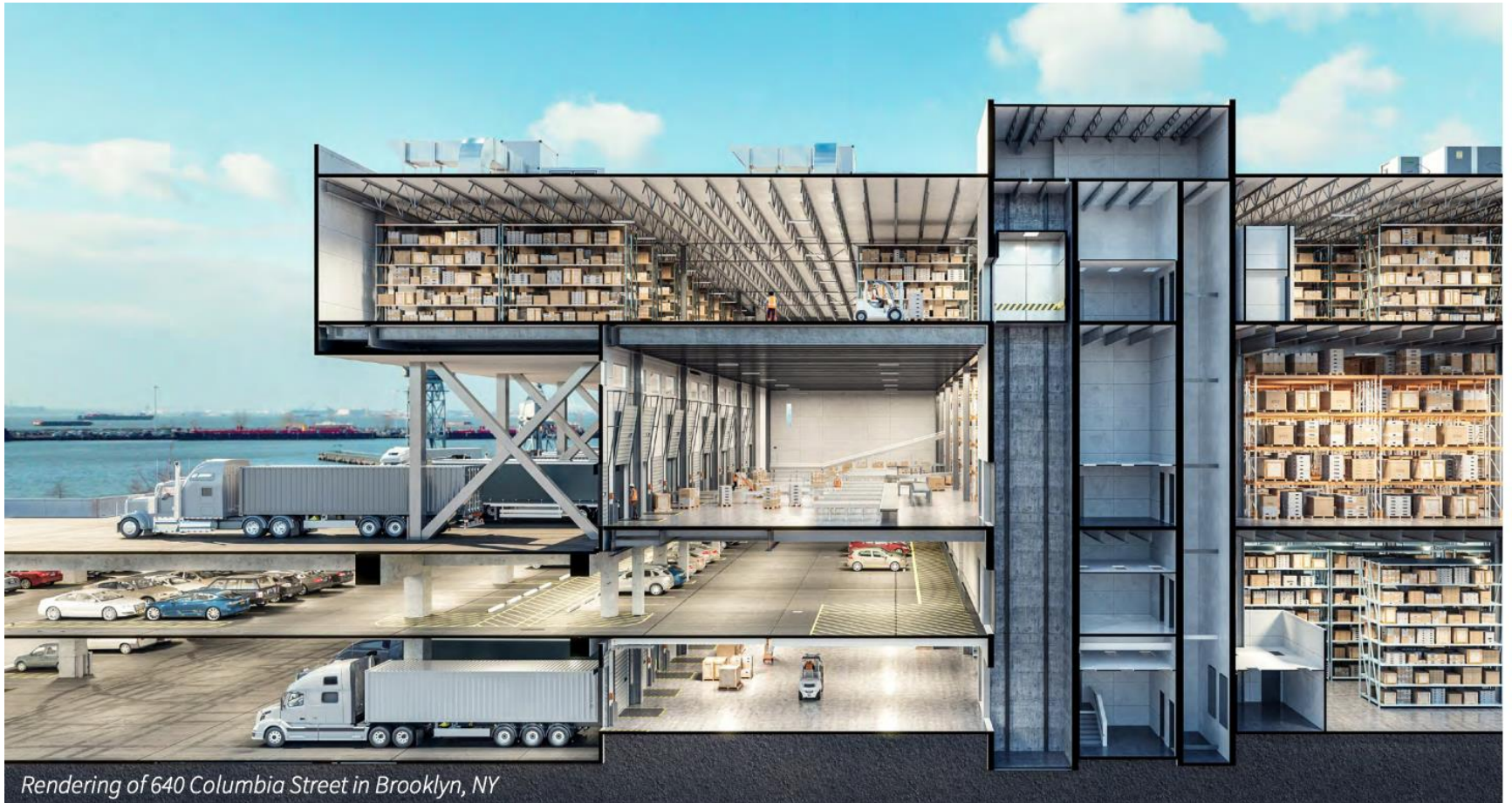


Electric vans on roof



# Brooklyn

## 640 Columbia Street, Red Hook (for 2020)



Rendering of 640 Columbia Street in Brooklyn, NY

<https://www.640columbia.com/#overview>





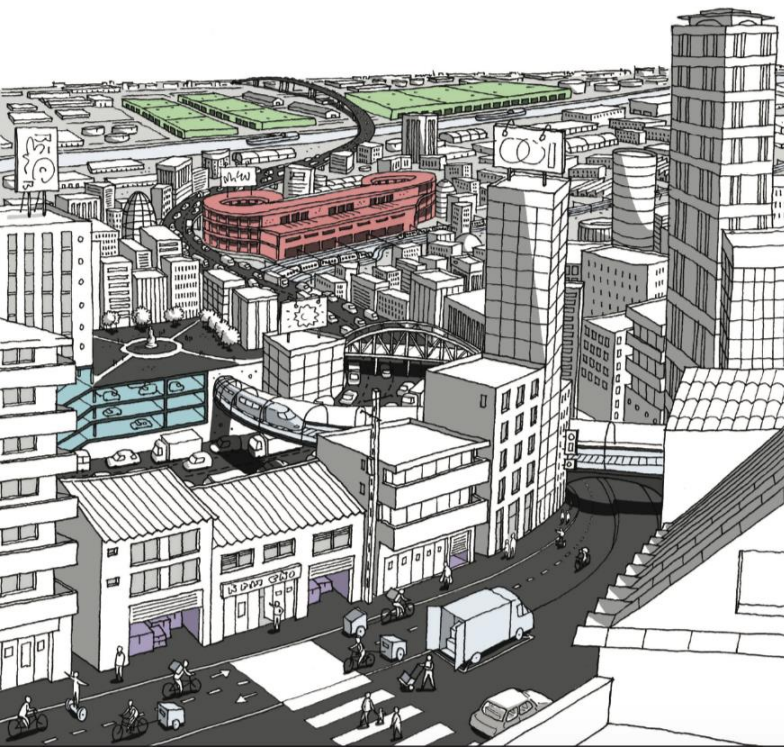
640ColumbiaSt\_Hero-Night



# Typology of urban logistics facilities

## TYPOLOGIE DES ESPACES LOGISTIQUES URBAINS

NOVEMBRE 2017



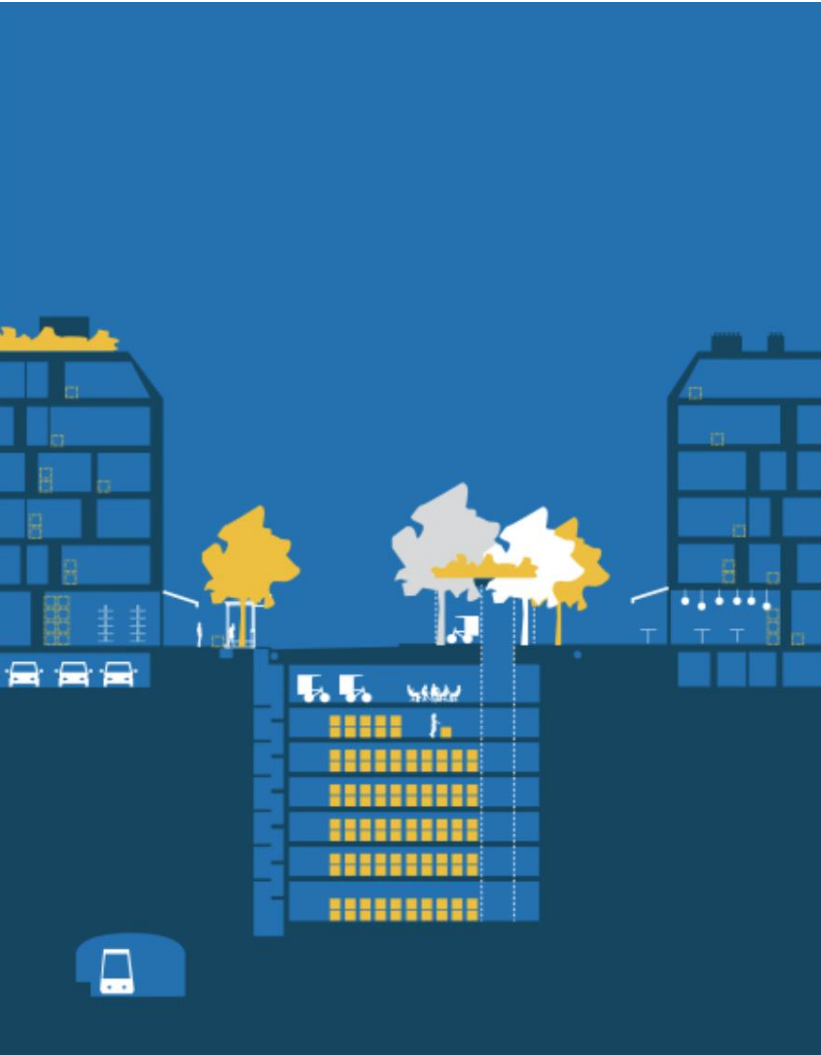
- French logistics real estate developers' organization
- [www.afilog.org/logurbaine/typologie/](http://www.afilog.org/logurbaine/typologie/)
- Logistics gateway
- Urban warehouse
- Urban distribution hub
- Urban delivery micro-hub

Saidi, Maréchal, Dablanc, 2018



# Paris Grenier Saint-Lazard “reversed building” project (Sogaris, Syvil)

- Storage for local businesses and residents
- Conciergerie on street-level





# Chapelle logistics hotel

2015 (just before construction): rental price estimated 10 euros/sq ft/year



**Foncier:** 1 ha de toiture

**Programme:** env. 6 200 m<sup>2</sup> DEVE et 3 800 m<sup>2</sup> DJS



# 2019: building in full operation





Actual rental price: 20 euros/sq ft/year





# Amazon Los Angeles urban warehouses

Legend:

-  Warehouse
-  Warehouse with Amazon Flex
-  Amazon Fresh
-  Amazon Restaurant Delivery



From 20,000 to  
80,000 sq ft facilities

From very urban to  
more industrial, and  
to more suburban  
neighborhoods

[https://www.moneypixels.com/rideshare/locations/city/Los%20Angeles\\_CA](https://www.moneypixels.com/rideshare/locations/city/Los%20Angeles_CA)



# Discreet buildings







# Facility traffic in and out of three Amazon facilities, Sacramento, 2019

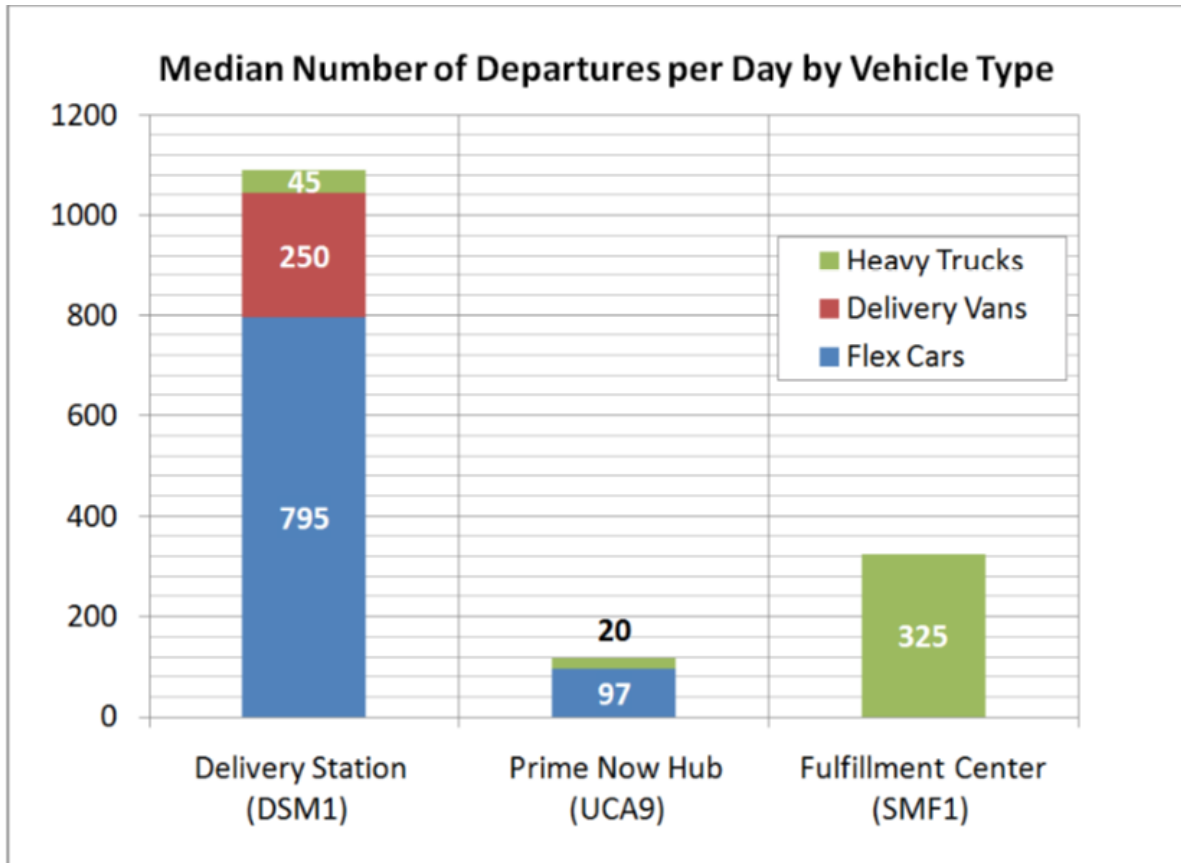


Figure 5: Daily Facility Traffic

Source: Jaller, 2019



# Promoting urban warehouses through direct RFPs

## (1) Multi-purpose tenders

- ‘Reinvent Paris’: former industrial buildings or gas stations proposed for all kinds of development



Porte Champerret  
Sogaris project

# “Reinvent the Seine”: use of available parcels, brownfields by the river





# Promoting urban warehouses through direct RFPs

## (2) Logistics-only tenders

- Since mid-2000s: underground municipal parks

Concorde



Louvre



Pyramides



Beaugrenelle



# Porte de Pantin under the peripheral highway





# Amazon Prime Now in 50 city centers around the world



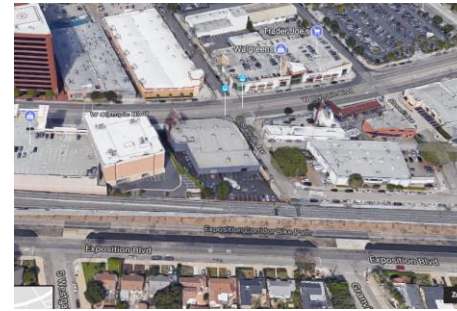
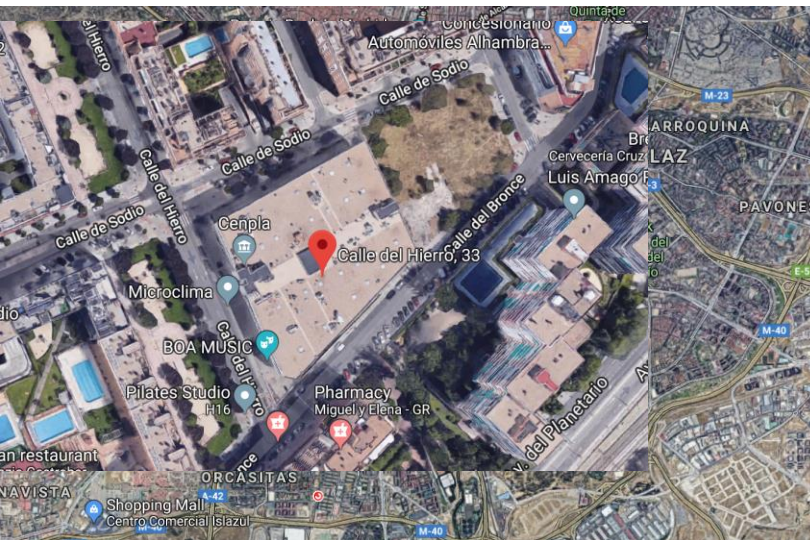
**Barcelona**

**Santa Monica**

**Manhattan**

**Madrid**

**Paris**

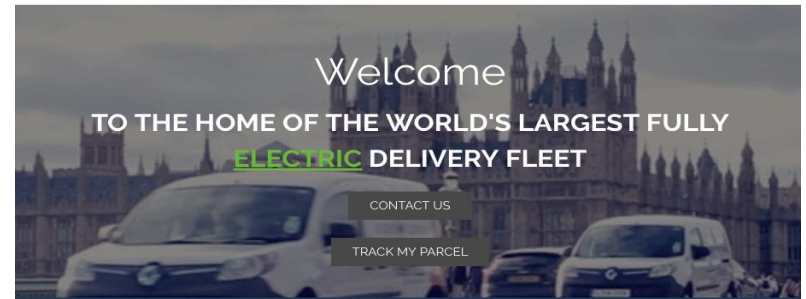






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## Micro-hubs: Gnewt Cargo in London close to Waterloo Station





# FedEx micro-hub on the Seine river in Paris

