



magnus blinge

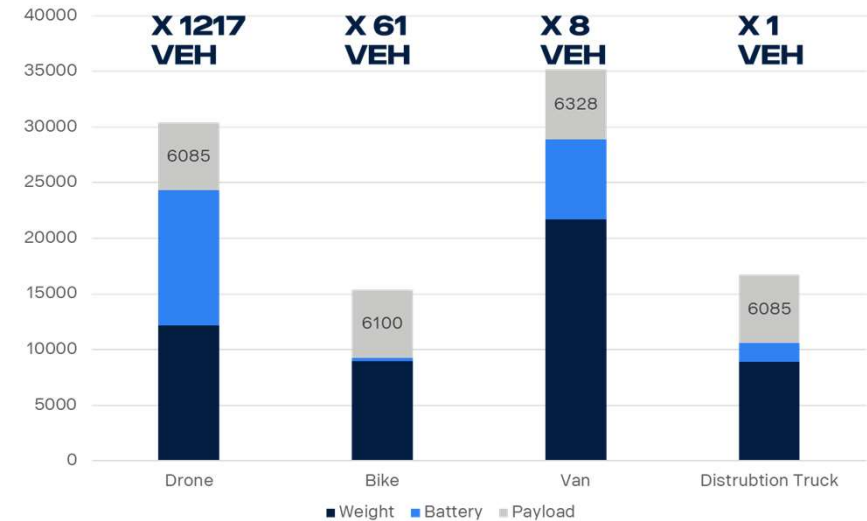
*What is one project, approach or idea that makes you feel hopeful about achieving zero emission urban logistics?*

**SCANIA**



# Electrification doesn't solve congestion

- Urban logistics starts outside the city
  - Efficient trucks into the city, Micromobility (vans, cargobikes) within the city for last mile distribution.
- One truck does the job of eight vans
  - The number of vans in Sweden has doubled in 20 years
  - 70% of km driven
  - 2 % of freight (weight)
- Geofencing can be used to allow safe and efficient heavy freight transport in cities
  - Construction & mass transport is about 40 % of freight in cities
  - Road wear and safety can be handled.
  - A heavy 24-ton payload, 5 axle truck was tested in city traffic and the number of transports was reduced by 35% and the fuel consumption per tkm was reduced by 10%.





# Off-peak deliveries

**77 % of all cafes and restaurants in the Westfield Mall of Scandinavia, north of Stockholm, have now changed their product deliveries from daytime to off peak through a city hub.**

- BEVs are expensive. Haulers need increased utilization
- Incentive for electrification of freight transport in cities.
- Unmanned deliveries, positive for shops & restaurants.
- Sound is still an important issue, and it is site specific.
  
- **Keys for success:**
  - ✓ Digital solutions for unmanned reception.
  - ✓ Trust and clear responsibilities and jurisdiction
  - ✓ Intermediate and adapted storage facilities.

