

How to improve cargo bike use



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Challenges to cargo bikes use in city logistics.

Background



- Goods transport in urban areas has a major impact on the economy and liveability of cities,
- But receives little attention in comparison to passenger movement (OECD delivering the goods)

Background

- „The last mile is currently regarded as one of the more expensive, least efficient and most polluting sections of the entire logistics chain” (MACHARIS u. MELO 2011:)
- Up to 70 % of cost is in the last mile



Background



„today up to 35 per cent of this urban goods traffic is generated by CEP (courier, express and parcel) services" (MELO 2011: 200).

“Time windows”



Legal issues



Demand

- Services
- Parcel delivery
- Food delivery
- SME cargo bikes



HACP standards



Safety aspects



Innovation



Innovation



Offer

- Two wheelers
- Three wheelers
- Four wheelers
- Electric assistance 250W
- Electric assistance max 500 W

The offer



The offer



The offer



Design aspects



Design aspects



Design limits



Trailer or cargo bike



Assisted trailer



Source: vogelvrije fietser

Courier service: (mini) distribution centres



foto:vaneckgroup.com



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Competitors



Considerations

- Modern Cargo bike design is just beginning
- There is a huge demand from logistic industry
- Standards are needed for cargo bikes
- Cycle infrastructure is not adapted to cargo bikes
- Innovation as in speed pedelecs should be adapted in cargo bikes
- Share systems of cargo bikes



Thank you for your attention!



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