



Night deliveries with clean and silent vehicles

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What is the Eccentric project?

Sustainable mobility and transport in suburban and peripheral districts – 50 measures.

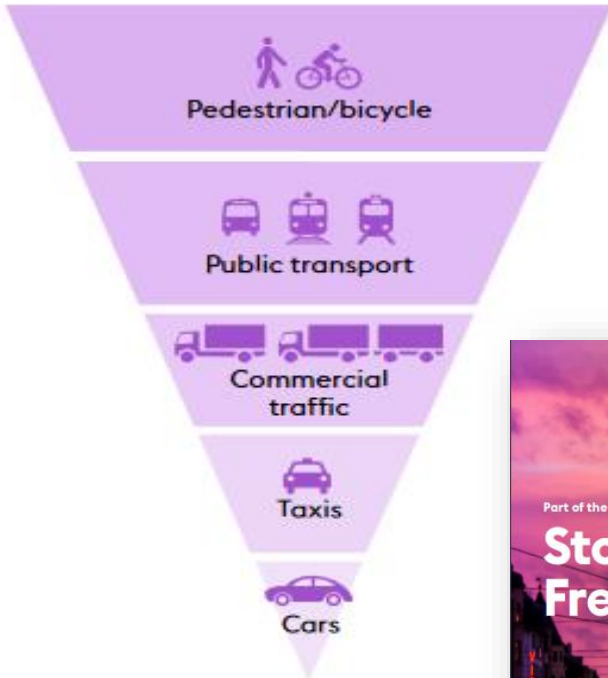
30 partners in Madrid, München, Ruse, Stockholm, Turku

1 sep 2016 – 31 aug 2020



Eccentric measure 7.4

Night deliveries with clean and silent vehicles



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- **Night-time deliveries to 6 McDonald restaurants in Stockholm inner-city**
- **A plug-in hybrid Scania truck**
- **Electric drive within defined zones**
- **Charging at one restaurant and at HAVI terminal 30 km from city centre**
- **Scania Zone (Geogencing) is used for controlling speed and electric drive within defined geofenced zones**



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Night deliveries with clean and silent vehicles



- Pre-defined areas where the truck can be controlled regarding speed, noise and emissions
- Automatically complying to defined rules
- Plug-in Hybrid Electric Vehicle, designed for our customer needs
- 10 km electric
- 20 min charging time
- Trade-off between range and cost

Eccentric measure 7.4

Night deliveries with clean and silent vehicles

Results

- 30% reduction of delivery time
- 44% lower fuel consumption
- 80% less NOx
- Less stressed drivers
- EV's are critical enablers for off-peak
- Delivery noise is critical, also in busy areas, silent equipment needed

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Night deliveries with clean and silent vehicles

Challenges?

- "Too good to be true"...
- We need to extend the pilots to find the challenges
 - More sensitive areas
 - Different customers
 - Charging stations
 - Battery capacity
 - Personnel receiving the deliveries



Eccentric measure 7.4

Night deliveries with clean and silent vehicles

Industry

Automotive & Transport

TRATON SEAT SKODA

Insurance

achmea

Retail & Logistics

COLRUYGROUPE

Energy

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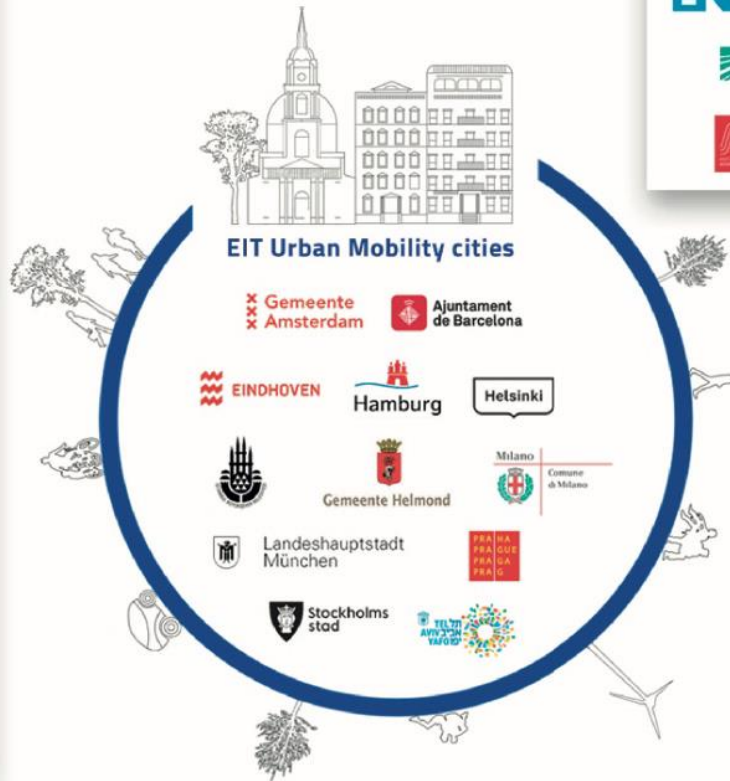
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Night deliveries with clean and silent vehicles



- Zero Emission
off-peak Urban deliveries



Thank you!

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SCANIA



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