



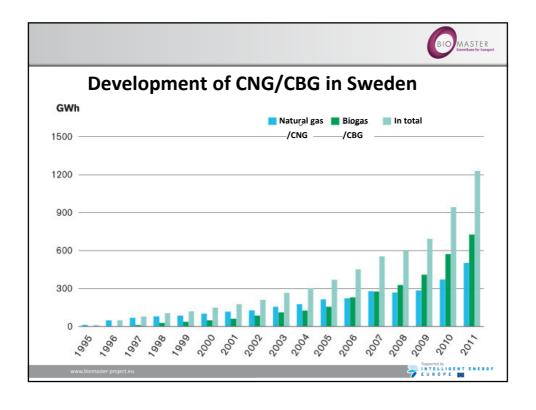
In Sweden biogas = biomethane and biomethane in vehicles = vehicle gas

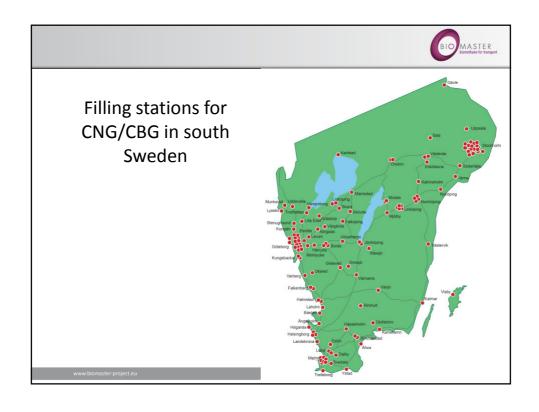
- Vehicle gas is the name used for biomethane and/or natural gas when used as fuel for vehicles
- Biogas was about 60 % of the total sold volume of vehicle gas in Sweden in 2011

ww.biomaster-project.eu

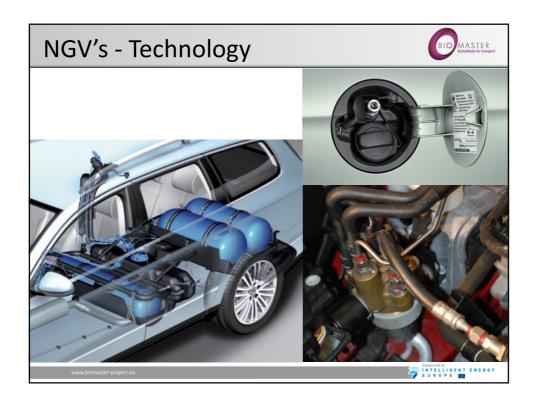
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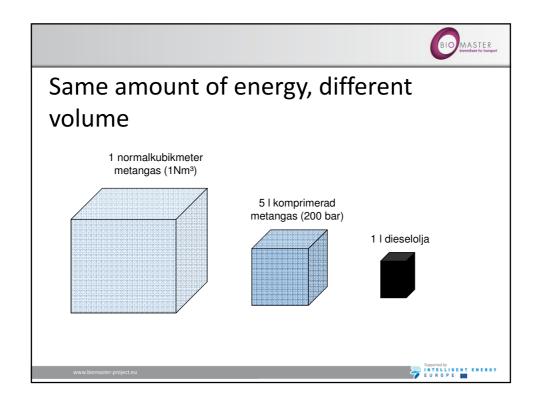
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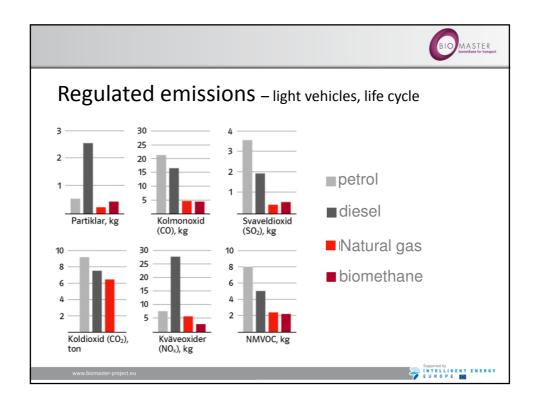


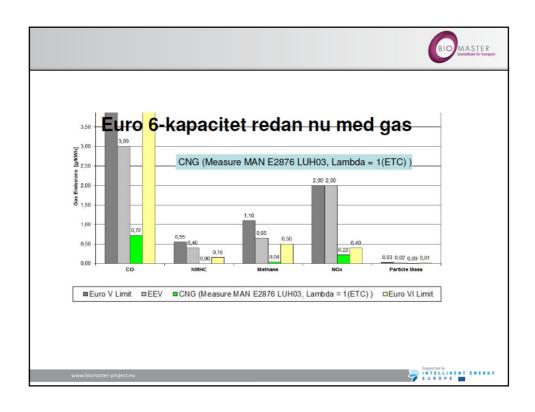


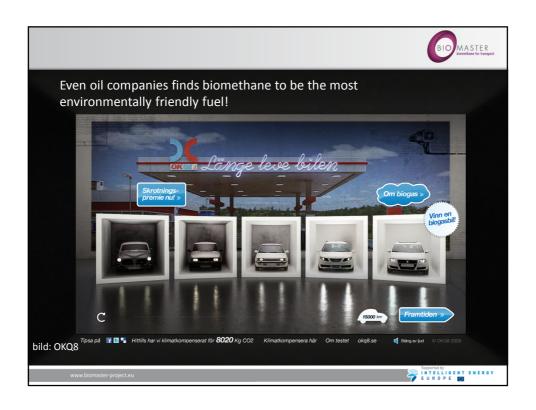














Some perspectives on biomethane and gas driven vehicles

- Skånetrafiken, Regional public transport (mainly buses)
- Skånemejerier, Dairy industry (mainly distribution trucks)
- Björkmans Entrémattor, door mat service (light transport vehicles)
- Wihlborgs fastigheter, real estate concern
- Sydsvenska Dagbladet, Newspaper (personal cars)







Sydsvenska Dagbladet

- Aims at becoming a carbon neutral company
- Transports are important
- Changing to gas vehicles, in total 100 cars
 - Company official cars
 - Fringe benefit cars
- Bonus Lower total costs for the cars!











Wihlborgs fastighets AB

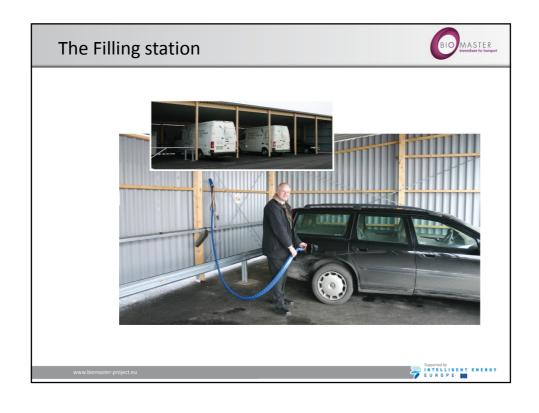
- Main reason for changing to gas driven vehicles was that the older vehicles hade poor environmental performance.
- The janitors driving the vehicles are happy with the performance.









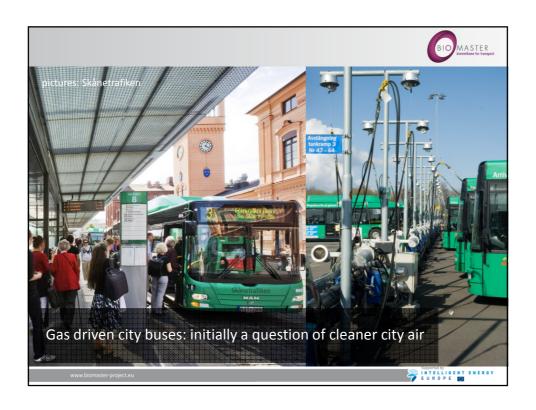




Experience from changing to gas vehicles

- No different to drive than petrol or diesel vehicles.
- Filling station at back yard has saved a lot of valuable time and driving distance.
- The cars gives us a lot of positive attention and free advertising.









Strategy for Skånetrafiken, fossil free public transportation

- In 2007 a decision was taken by the board of public transportation – end the use of fossil fuels
- Goals:

2015 - all city buses

2018 - all regional buses

2020 - every vehicle









Why gas driven buses?

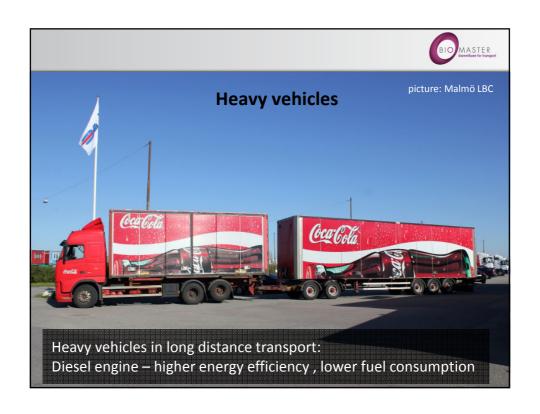


- Security of supply, not dependent on imported fuel when having locally produced biogas.
- Biogas is renewable
- Biogas is Sustainable (both environmental and ethical)
- Contribute to local job opportunities (local production of biogas)

















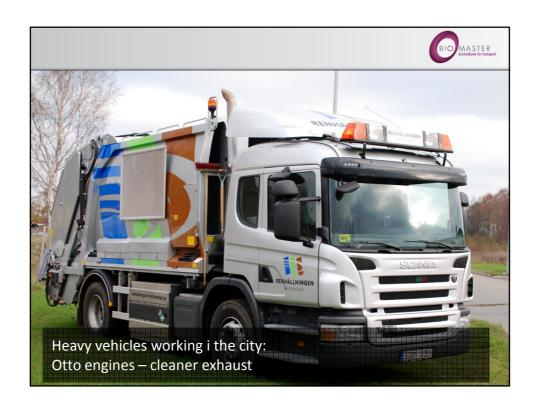
Skånemejerier

- Mercedes Econic used for distribution of dairy products in several cities in Skåne (about 20 trucks)
- Improved emissions in city
- Improves the trademarks environmental status!
- Only half of the noise compared to replaced trucks



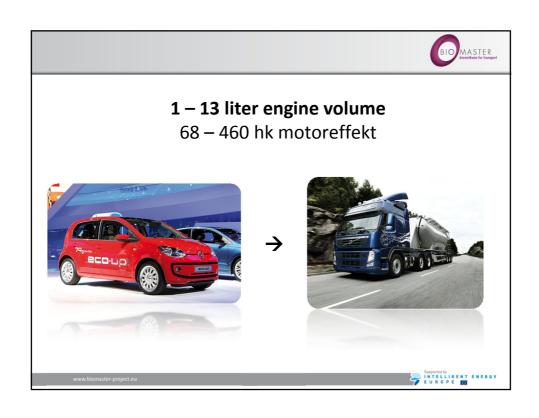
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Conclusions/reflexions, biomethane and gas driven vehicles

- It is possible to run almost every type of vehicle on biomethane
- For some costumers however it is not the best alternative
- Potential for biomethane is big but it will only cover parts of the needs in the transport sector – use it where it gives the biggest effect!



