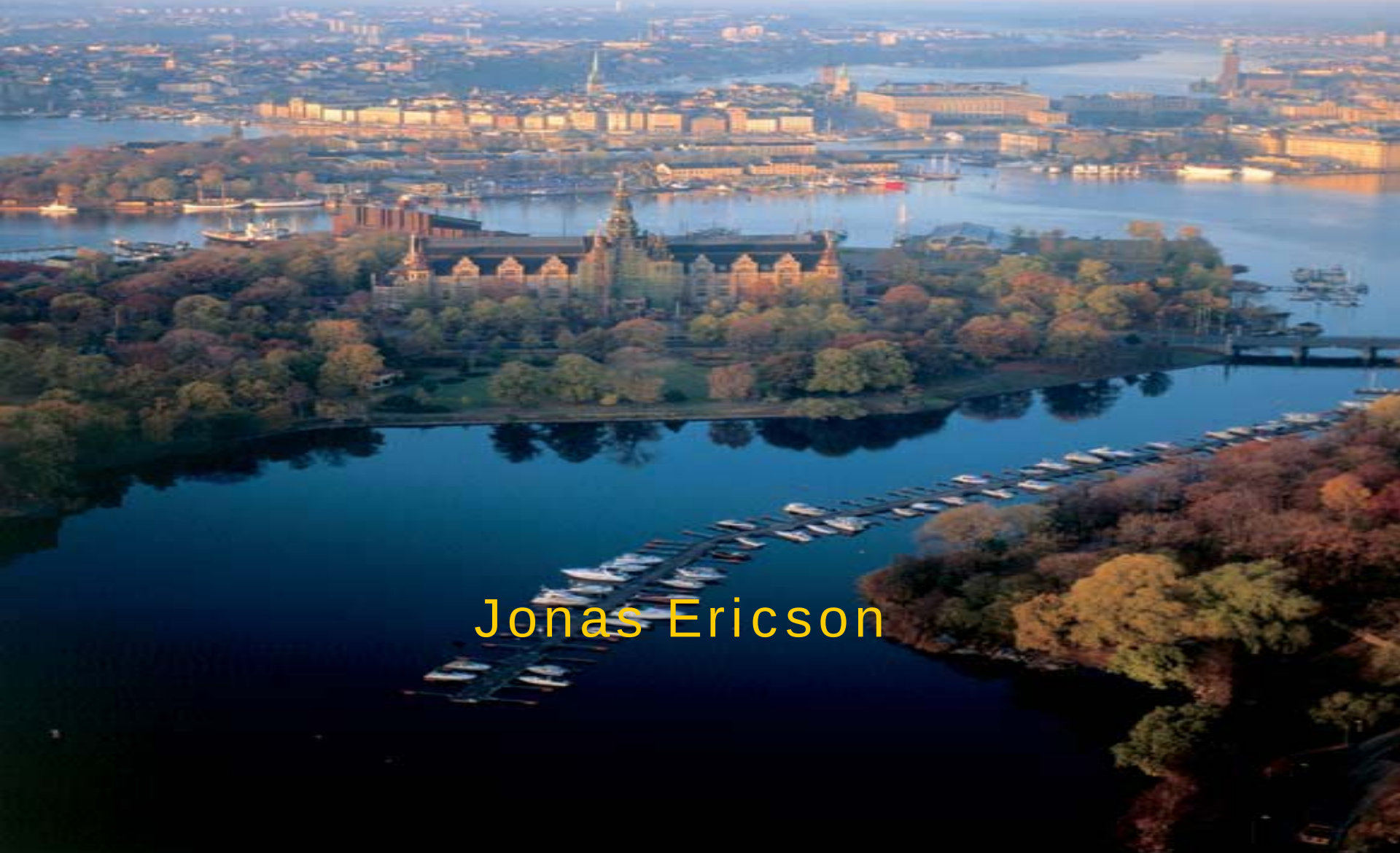


Clean vehicles & Fuels in Stockholm

Jonas Ericson





200.000 clean vehicles
23 %!

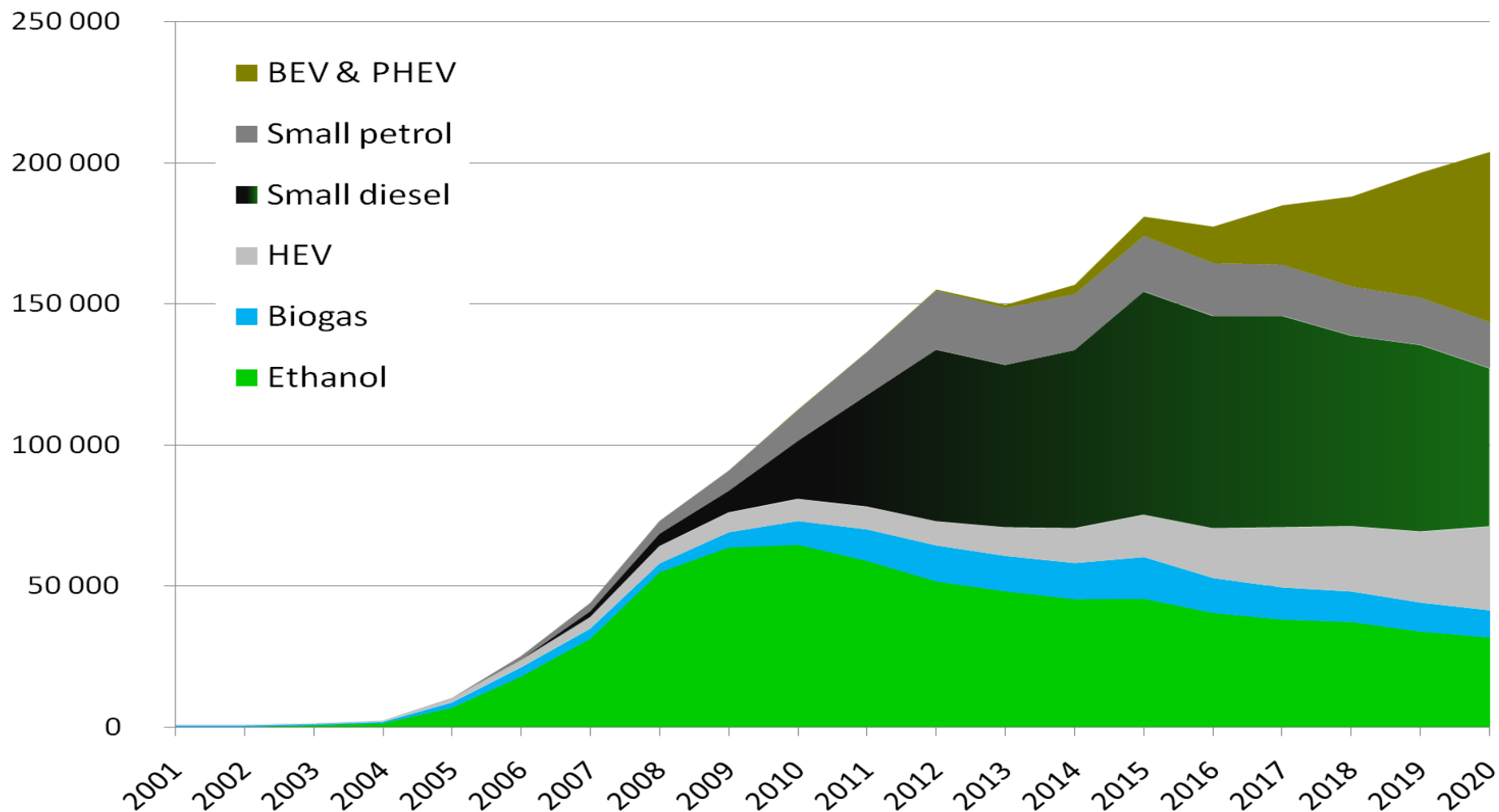


30% CO₂-reduction in diesel



Clean Vehicles in Stockholm

No of Clean Cars in Stockholm



CLEAN VEHICLES IN STOCKHOLM

ENVIRONMENT & HEALTH ADM

www.miljobilar.stockholm.se

How?



Start with Municipal fleet

heavy duty vehicles

- limited n° of fuelling stations
- large environmental impact





Start with Municipal fleet

light duty vehicles

Stockholm City Council decision 2010:

By 2014:

- 100 % Clean Vehicles in municipal fleet
- 50 % of all new vehicles in Stockholm
- 16 % renewable fuel sold
- 10 % of all new trucks sold



Make the cars Joint procurement! available!

- 1994-5 National Electric vehicle procurements (100 +200)
- 1996 International EV procurem. (500)
- 2000 Ford Focus Ethanol (3,000)
- 2002 Clean vehicles (5,000)
- 2008 Ethanol Van (3,000)



- Introduction on market
- Develop new technology
- Introduce battery leasing
- 10-50 % Lower price
- Doubling fuel stations

Fuels

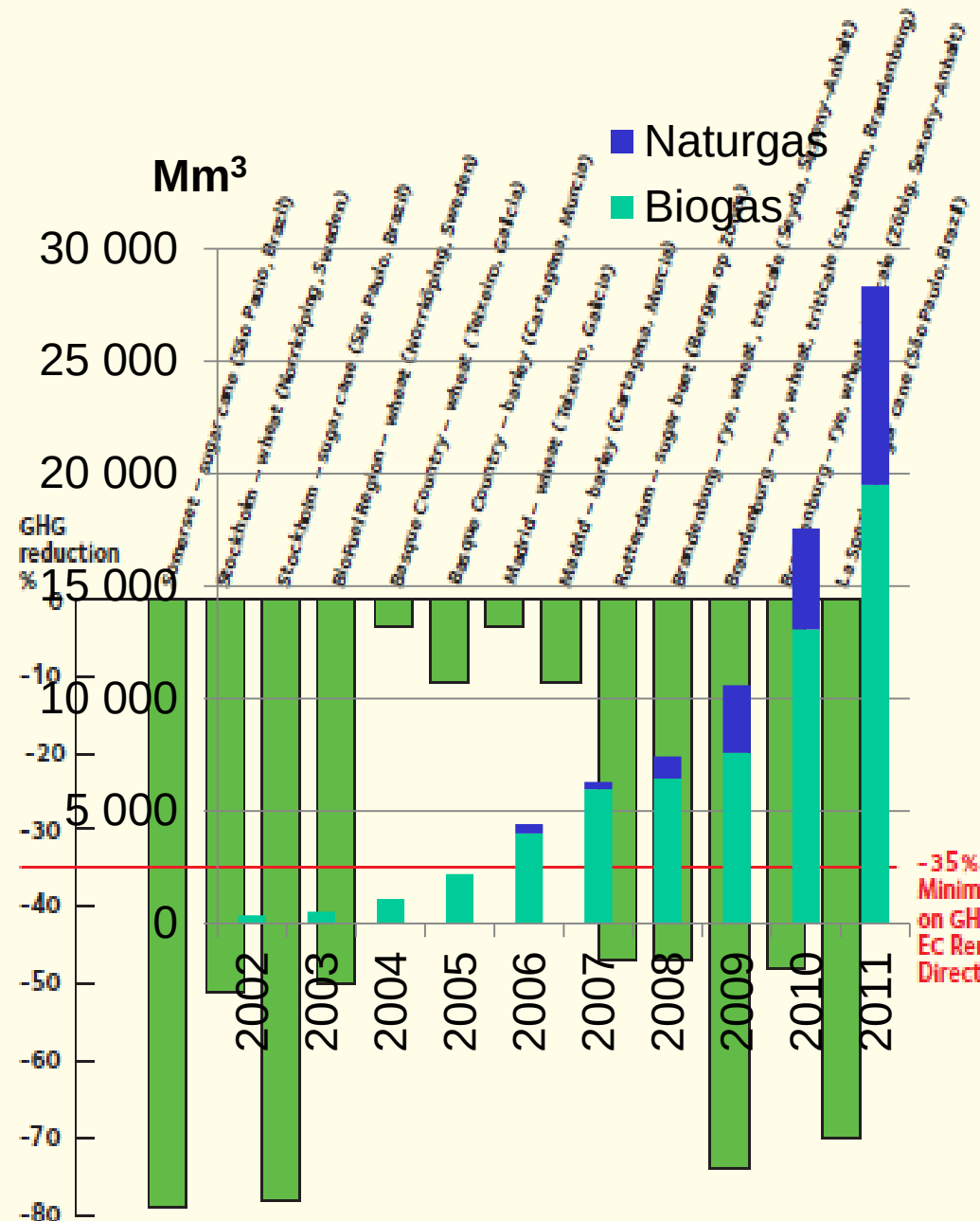
Biomethane

- Produce biomethane
- Find a distribution system

Ethanol

- Find good producer
- Promote fuelling stations

Greenhouse gas savings by bioethanol used in BEST 2006



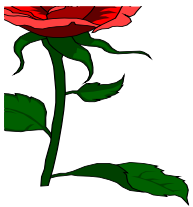
National incentives

Mayors of Stockholm, Göteborg, Malmö met with ministers over and over again - for more than 10 years

Result:

- Long term tax discount for biofuels/vehicles
- Special discount for Company cars
- Mandatory clean fuels at fuel stations
- Government procure clean vehicles
- Definition of clean vehicles
 - Free parking and other local incentives
 - Grants for Clean Vehicles





Local incentives

- ✓ No congestion charges
 - ✓ No parking fees
 - ✓ Test fleet
 - ✓ Taxi priority
 - ✓ Subsidies for special vehicles
-
- Permission to use bus lanes
 - Access to restricted areas
 - Designated parking spaces



Address the
market



Greening transport through procurement

Companies working for the city

- Public transport
- Waste collection
- Taxis
- Courier service
- Disabled transport
- School transports
- Sick transports
- Security guards
- Moving
- Internal mail service

The Coca-Cola logo in its classic red script font.The Scandic logo, featuring the word "Scandic" in a red sans-serif font on a light beige rectangular background.The DN.se logo, with "DN" in a large, bold, black serif font and ".se" in a smaller, bold, black sans-serif font.The SVT logo, with "SVT" in a blue outlined sans-serif font followed by a blue stylized flower-like graphic.The IKEA logo in a bold, yellow, blocky sans-serif font with a registered trademark symbol.The DHL logo, with "DHL" in a bold, red, italicized sans-serif font on a yellow background, flanked by red horizontal bars.

**Analyse the market –
find potential adopters**

- Coca-Cola
- Scandic Hotels
- Dagens Nyheter
- Swedish television
- IKEA
- Danzas

”At least one clean vehicle”

Clean Vehicles in Stockholm

Biogas vehicles

- 340 Buses: Regional procurement
- 90 waste collectors: City procurement requirement
- 13.300 light duty vehicles
 - Taxi: Regional/City procurement requirement
Arlanda's clean taxi priority
 - Company vehicles: City procurement requirement
Internal/customer driven policy
 - Fringe benefit cars: Company Tax incentives
 - Municipal fleet: Local procurement
 - Privat citizens: Environmental awareness/incentives



Information

- Campaigns
- Demonstration events
- Advertising
- Newspapers, TV
- Web
- Telephone advise





Detta är miljofordon.se

Detta är en riksomfattande informationstjänst om miljöfordon och bränslen. Portalen drivs gemensamt av Stockholms Stad och Malmö Stad.

[Mer om miljofordon.se](#)

Just nu

Gröna Bilister – nyheter juni

[Läs mer](#)

Över 400 nya miljöbilsmodeller!

[Läs mer](#)

Vårt senaste nyhetsbrev att hämta

[Läs mer](#)

Verktyet för miljöjämförelse uppdaterat

[Läs mer](#)

Hämta ny "Elbil- och laddhybridguide"

[Läs mer](#)

Sök miljöbilar

Sök bland alla miljöfordon på den svenska nybilsmarknaden

☒ Personbilar ☐ Transportfordon

Bränsle

Märke

Definition

Sök fordon



Fortsatt kommunal drift

Kommunerna som driver www.miljofordon.se undersökte under hösten 2010 möjligheten att överlåta webbtjänsten till extern part. Nu finns åter medel att driva sidan och den består i kommunal regi.

Jämför

Gör jämförelser mellan fordon, ekonomi, miljöprestanda m.m.

- [Personbilsmodeller](#)
- [Fordonsekonomi](#)
- [Jämför bränslekostnad](#)
- [Miljöbilsdefinitioner](#)
- [Miljöprestanda](#)

Seminarier & konferenser

[Hämta mer info här](#)

Sök tankställen

Hitta alla stationer med miljöbränslen på din ort.

[Tankställen](#)



Miljöjämförelse

Jämför olika fordons utsläpp av miljöfarliga ämnen.

[Gör miljöjämförelse](#)



Ekonomijämförelse

Här kan du beräkna din årliga kostnad för en miljöbil och jämföra med motsvarande konventionella modell.

[Gör kalkyl](#)



The Results



200.000 vehicles
23 %!



Conclusions



CITIES are Key players

Big local fleet owner

Fuel producer

Fuel infrastructure

Tax incentives

Local Incentives

Transport buyer

Independent info

City	Central gov	Industry
☒		
☒		☒
☒		☒
☒	☒	
☒		
☒		
☒	☒	



Thank you!

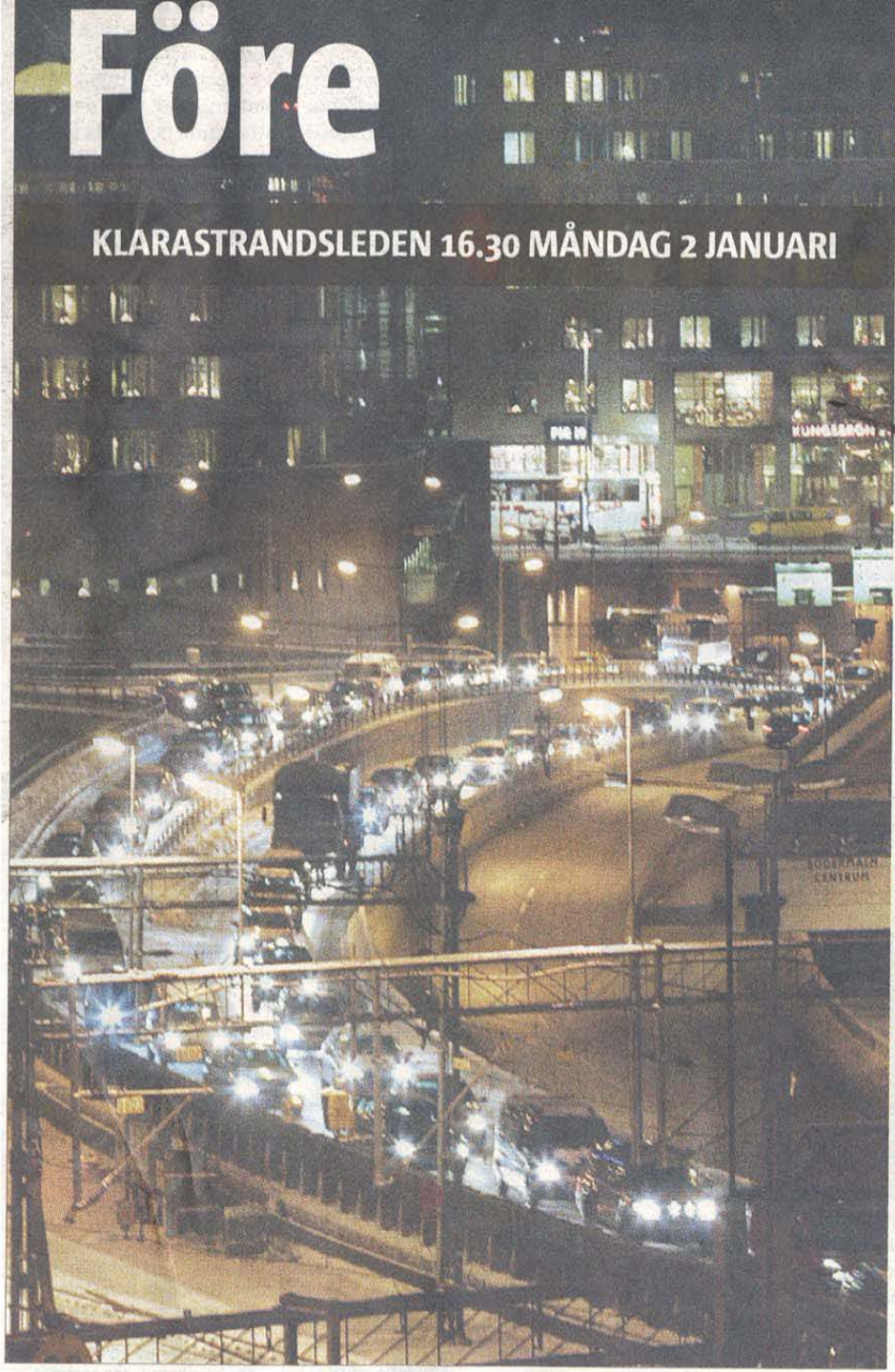
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Före

KLARASTRANDSLEDEN 16.30 MÅNDAG 2 JANUARI



Few models $\Rightarrow$ volatile market

