

Ett närproducerat Svenskt bränsle

Lokalt Avfall



Lokalt Bränsle



Lokal Transport



Scania's syn på hållbara transporter

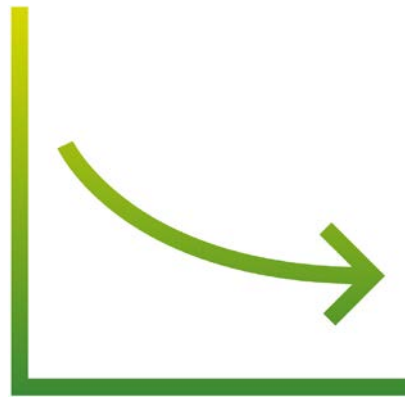




Scanias syn på hållbara transporter



Smartare transporter



Energieffektivitet



Alternativa drivmedel

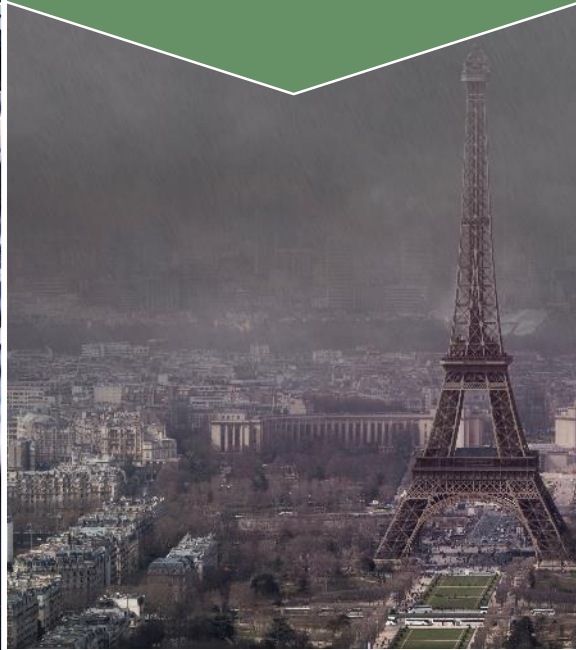


De fyra drivkrafterna för hållbara transporter

Trängsel



Föroreningar



Energi



Klimatförändringar

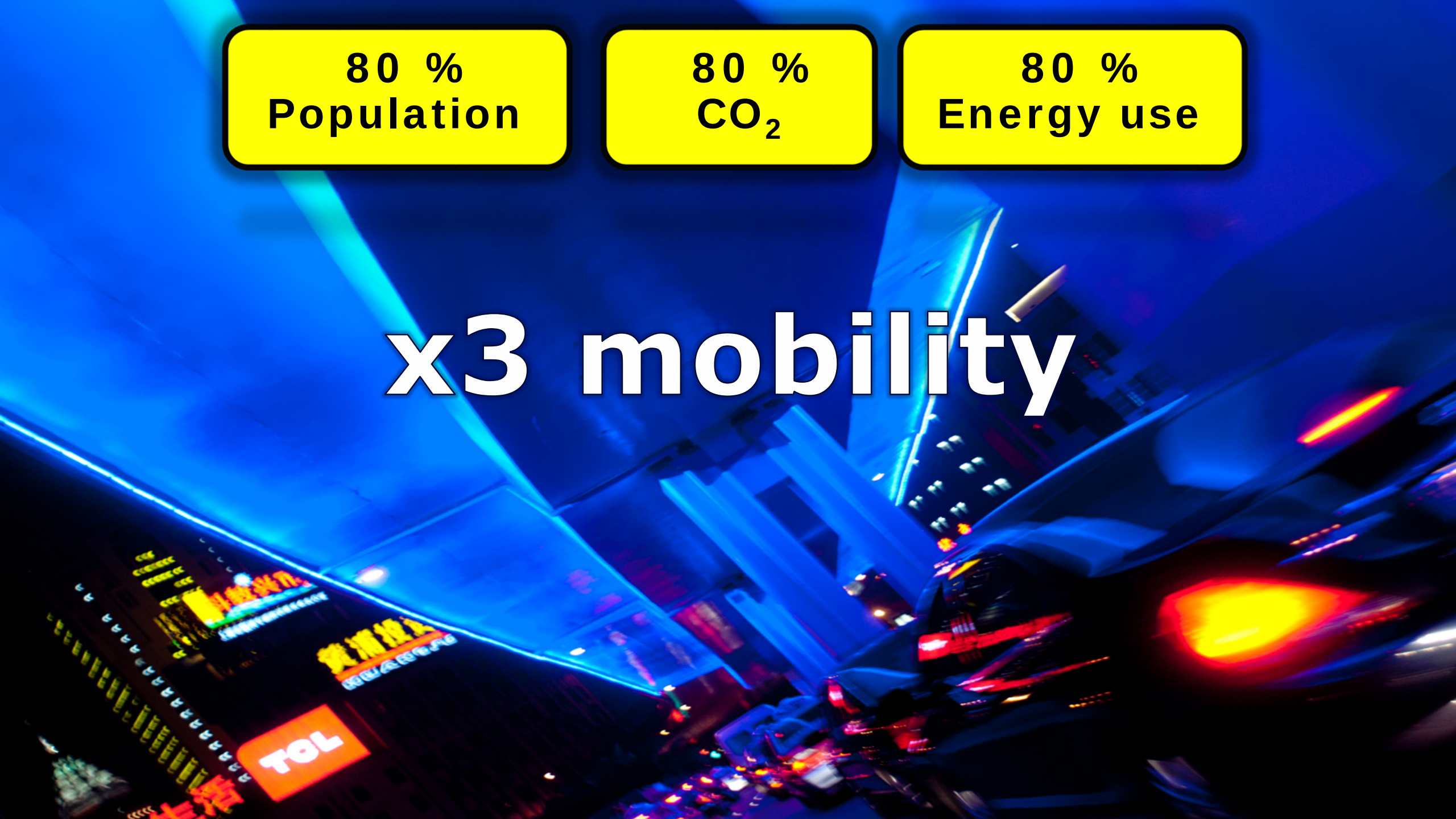


**80 %
Population**

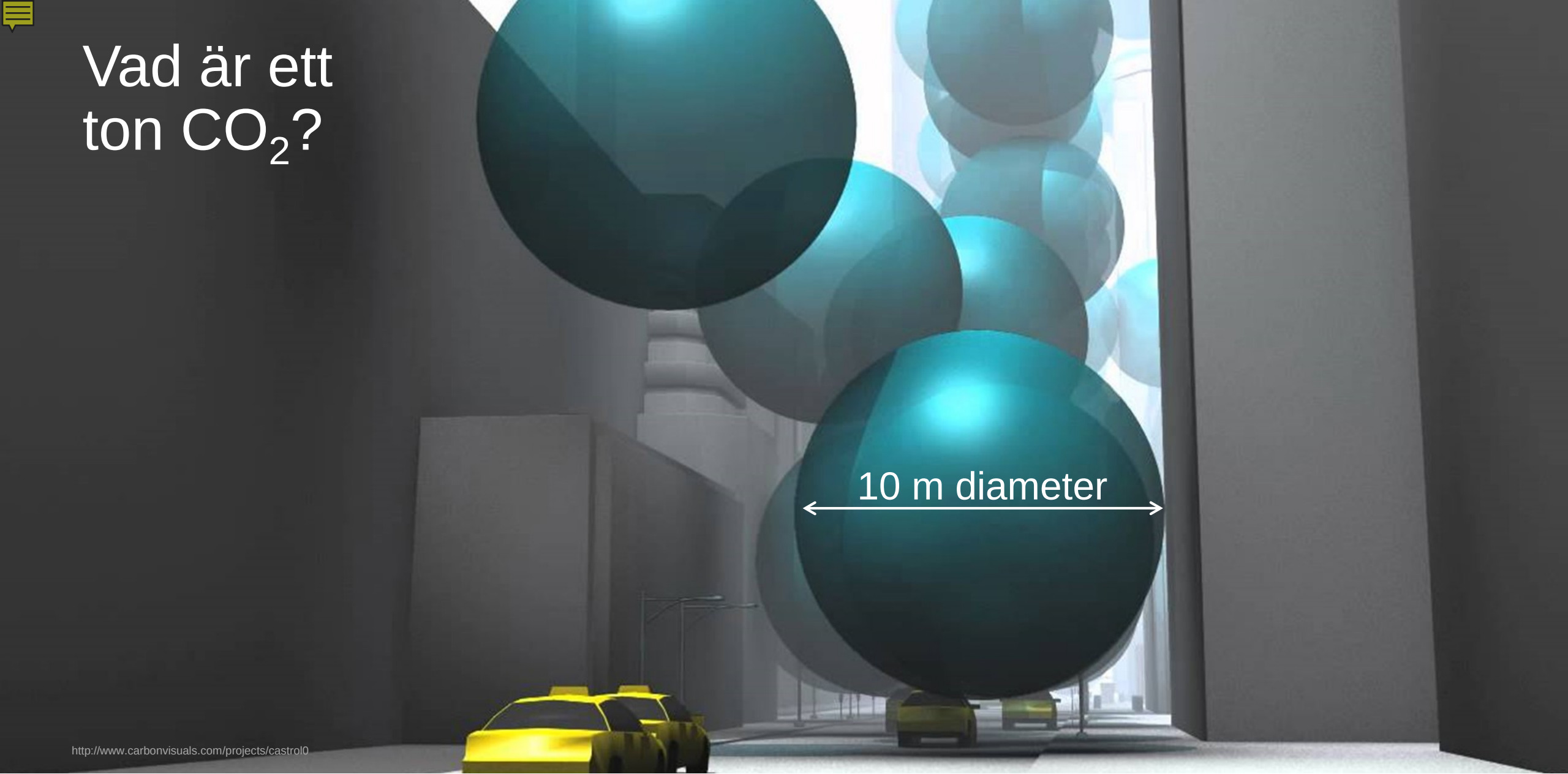
**80 %
CO₂**

**80 %
Energy use**

x3 mobility



Vad är ett
ton CO₂?



10 m diameter

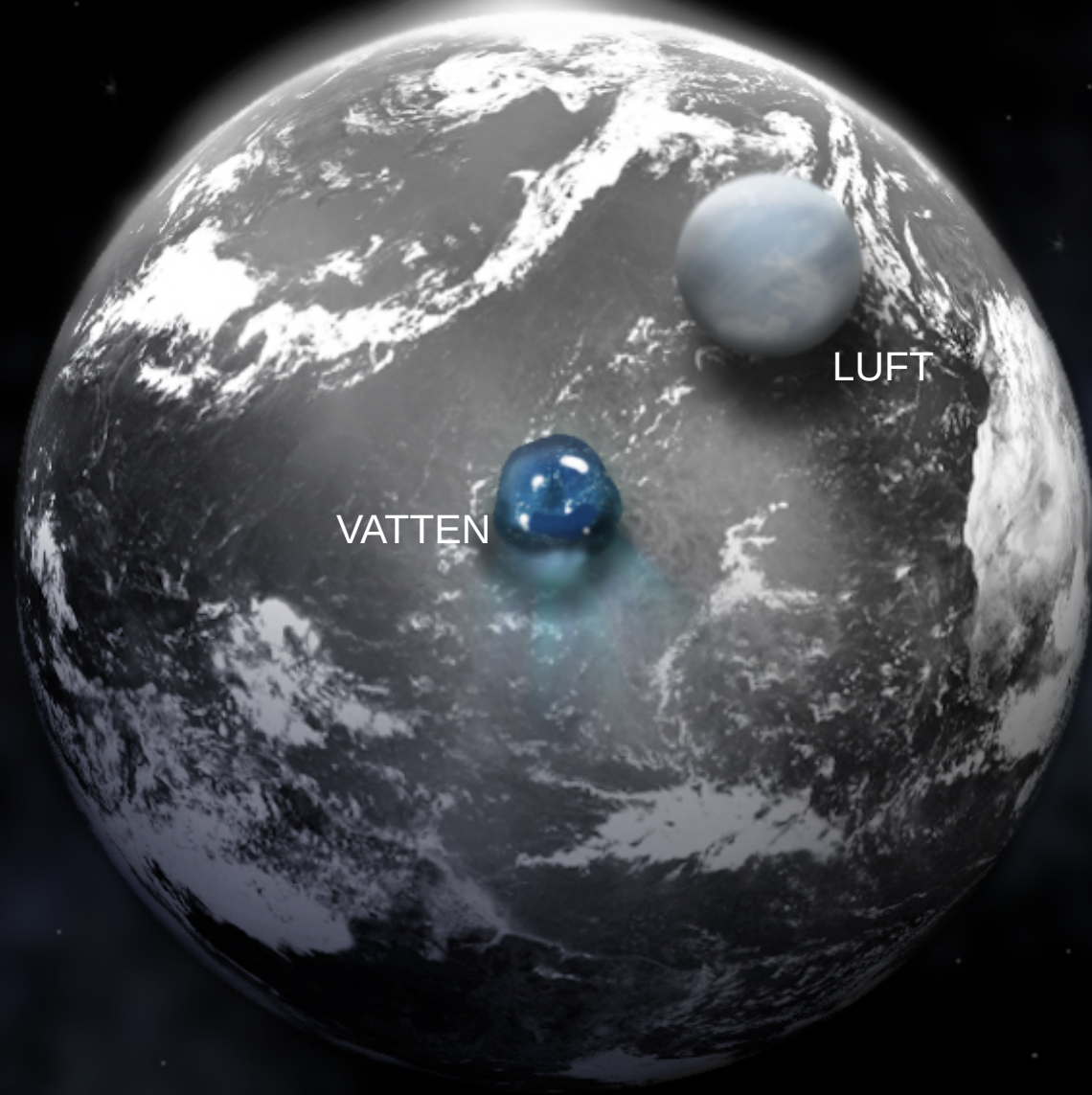
<http://www.carbonvisuals.com/projects/castrol0>



Ett dygns CO₂ utsläpp i New York



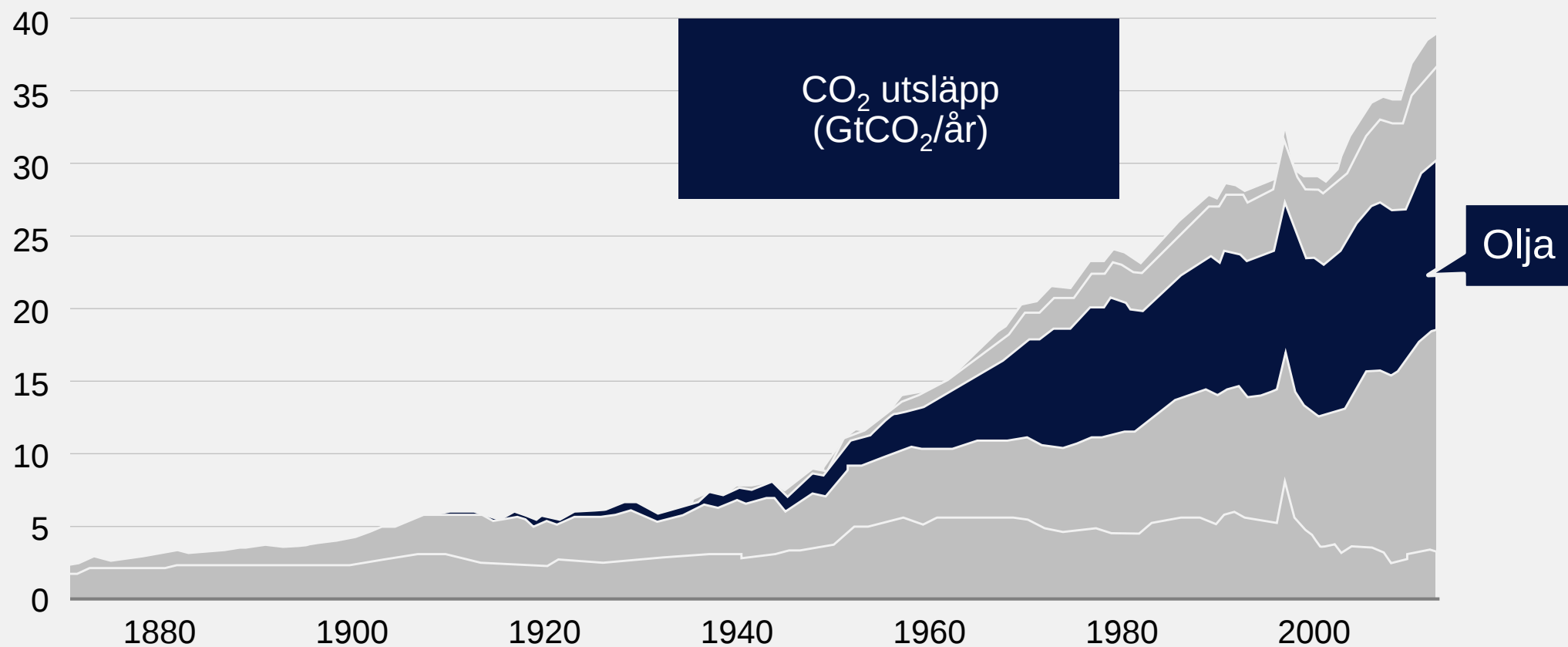
<http://www.carbontrust.com/projects/castrol0>



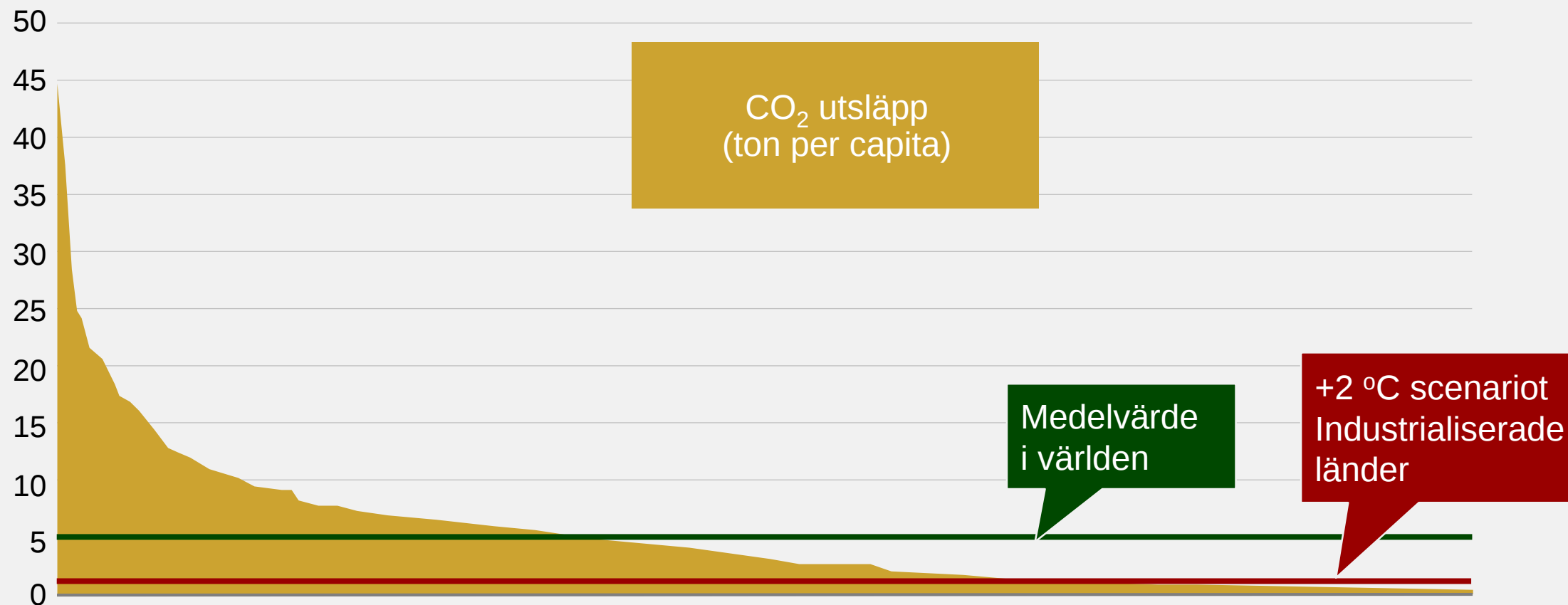
VATTEN

LUFT

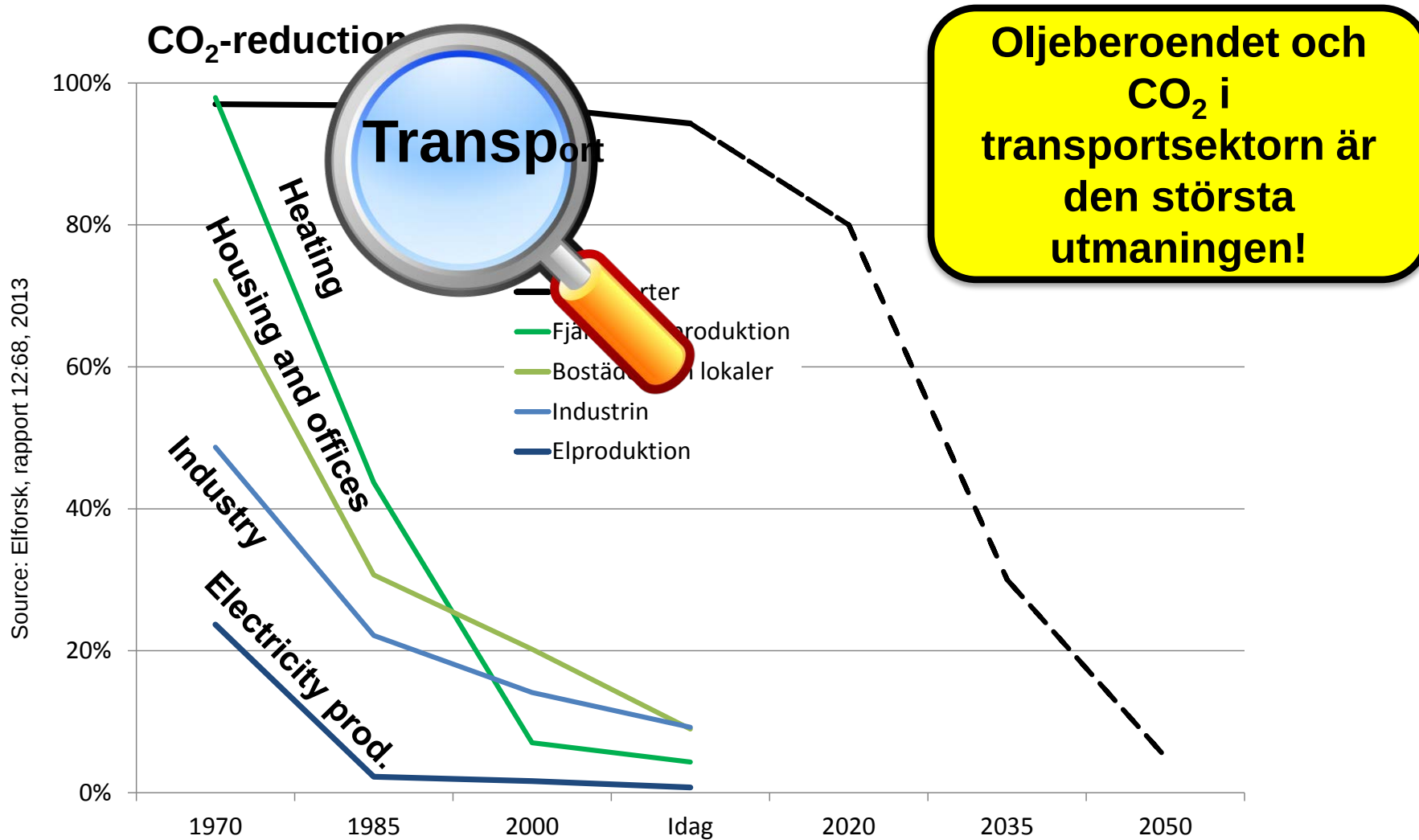
Vi måste göra CO₂ utsläppen så små som möjligt



+2° C scenariot, mer än 80% CO₂ reduktion till 2050



Den sista striden...





CO₂-målen kan uppnås – här och nu!

Naturgas

-20%

Biogas

-90%

HVO

-90%

Biodiesel

-66%

Etanol

-90%

Hybrid

-92%

CO₂-reduktion

-90%



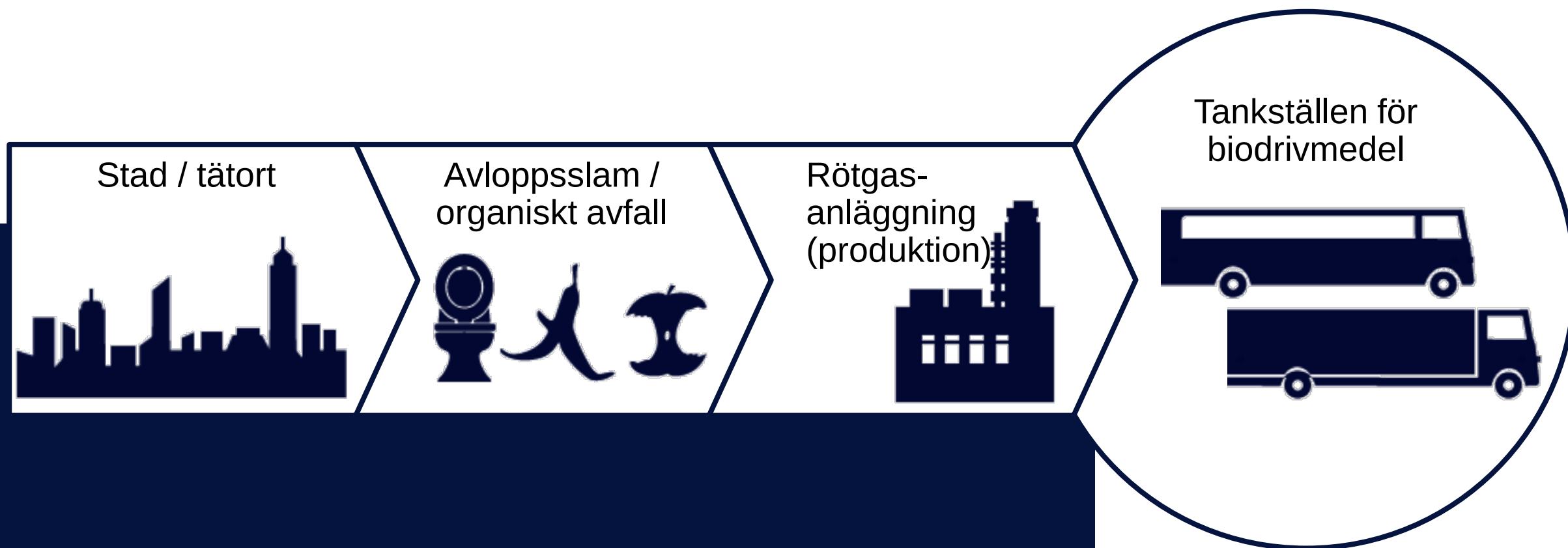
Alternativa drivmedel

- Kommersiell mognadsgrad
- Tillgänglighet
- Infrastruktur





Biogas, ett närproducerat lokalt bränsle



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Biogas, hög potentiell CO₂-reduktion



Upp till
90%
reduktion





Metangasens egenskaper gör att den bäst lämpar sig för motorer med tändstift



Högt oktantal



Optimalt för ottomotorer

Ren förbränning



Låga emissioner



Scanias gasmotorer - kännetecken



Effektivitet

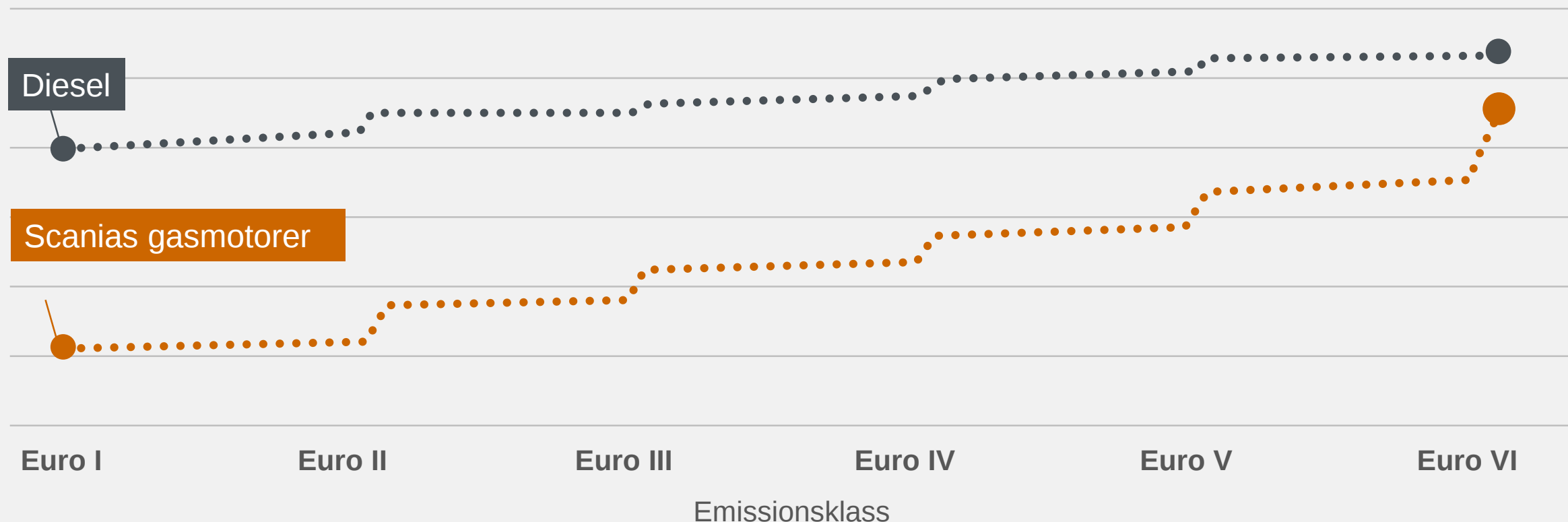


Hög prestanda



Paradigmskifte – Scania's gasmotorer

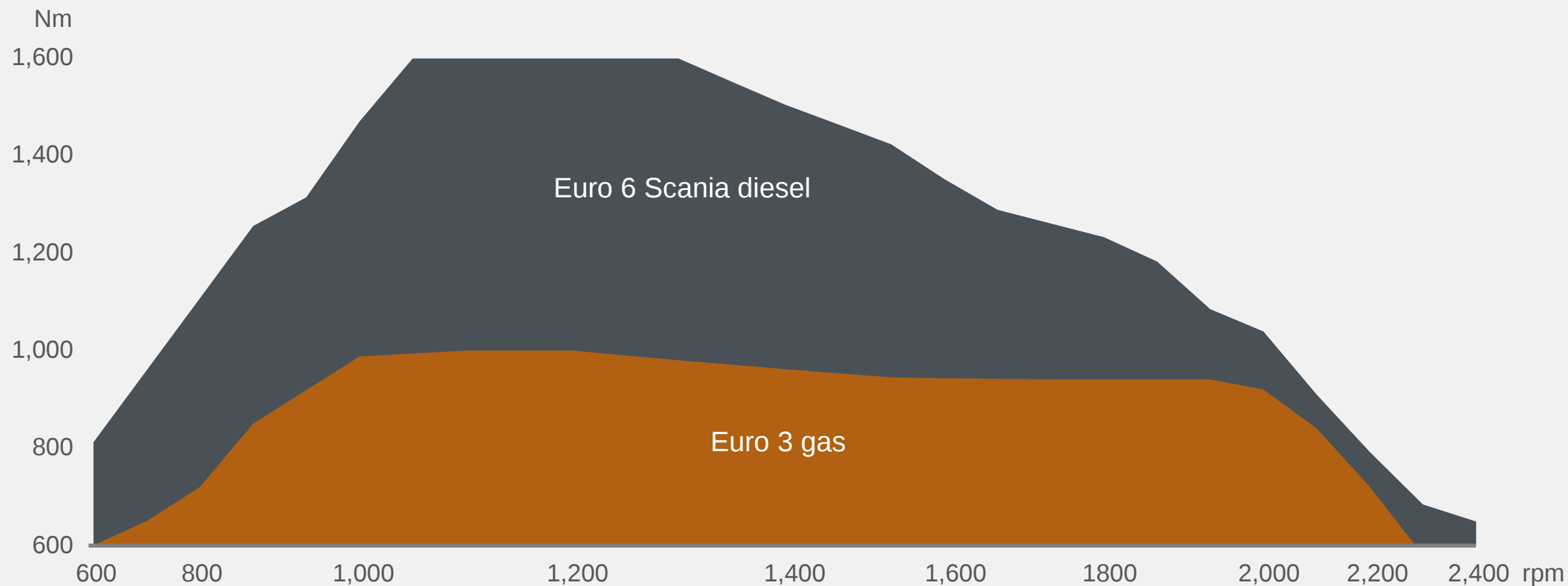
Bränsleeffektivitet





Paradigmskifte – Scania's gasmotorer

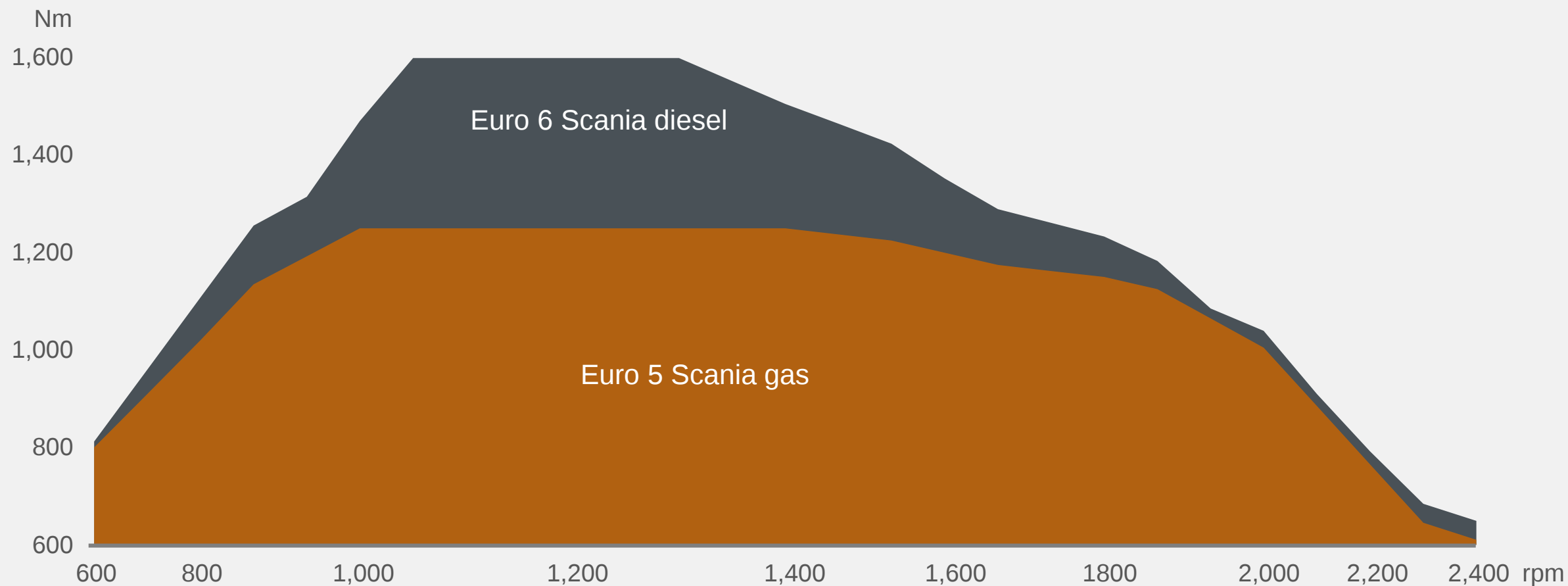
Vridmomentutveckling





Paradigmskifte – Scania's gasmotorer

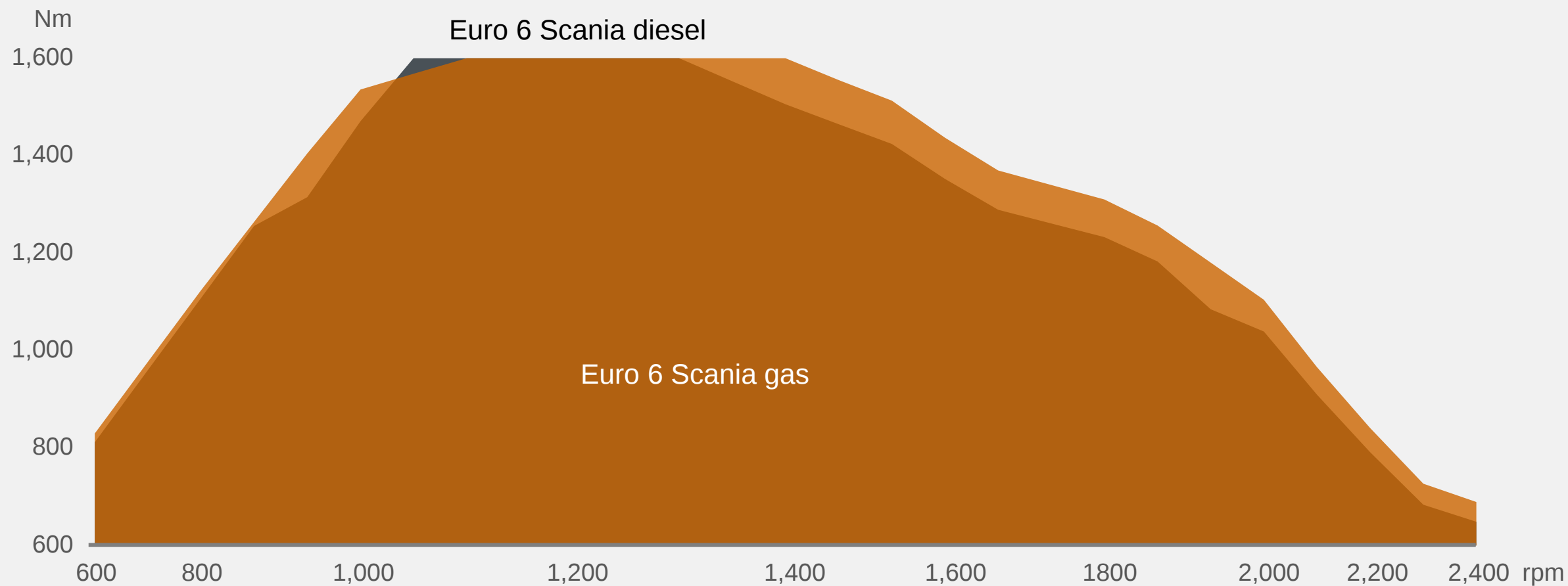
Vridmomentutveckling





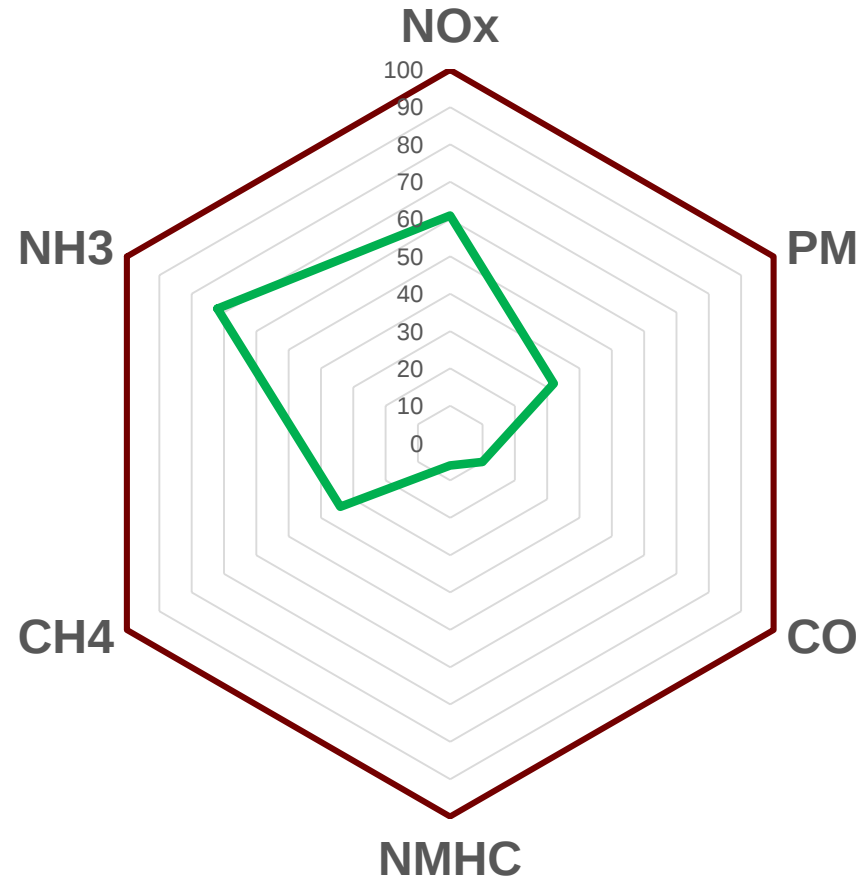
Paradigmskifte – Scania's gasmotorer

Vridmomentutveckling



Ultralåga emissioner - lägre än Euro 6

—Euro 6 demand —Scania Euro 6 Gas



PIEK low noise certifikate

Gas

Bio-
diesel

HVO

Etanol





Världens vanligaste biodrivmedel



Produktion (energi)



Kommersiella biodrivmedel

Gas



Biodiesel



HVO

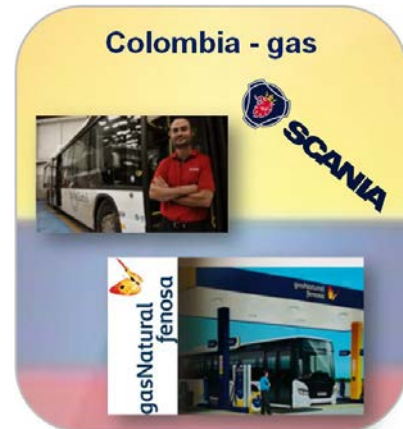


Etanol



Swedish greentech experience

Buses, trucks, biofuel production and cleantech





94% of solid waste goes to landfill



Ground water is poisoned



72% of waste water left untreated

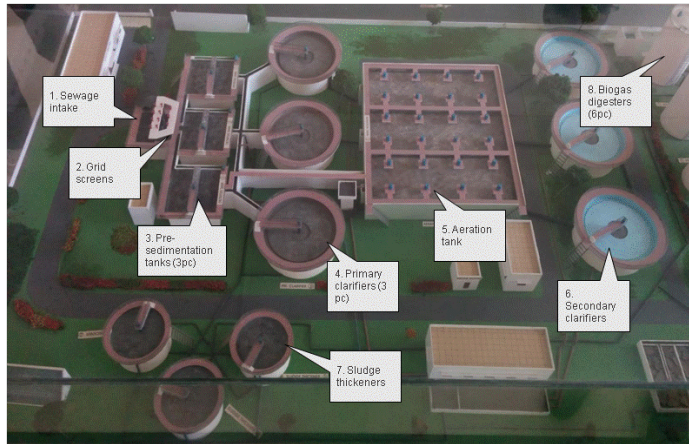


MEGA TOXICITIES

Polluted air doesn't just make you cough, wheeze and sicken. It kills. There's even an estimate for the number of people stricken dead by just breathing: 6.2 lakh

620 000 deaths due to polluted air

India - 4 streams of clean, local biofuels



- 1) Nagpur city sewage treatment plant :
Upgrading of biogas to vehicle fuel.
- 2) Puri Nagpur ethanol plant: Ethanol for vehicle fuel + 3) the organic waste from ethanol production turned into biogas of fuel quality.

→ 55 ethanol buses and 50 biogas buses in phase 1.

Competitive vs. diesel and natural gas!

Co-op NMC (City of Nagpur), Puri, Swedfund, IVL (Swedish Environmental Institute), Business Sweden, Spectrum and Scania.

- 3) Pune
- 4) Bangalore



TAKE CO₂NTROL

RIGHT HERE. RIGHT NOW.



SCANIA