

The CO₂ targets can be reached here and now



CO₂ reduction
-90%

The CO₂ targets can be reached here and now

Natural gas
-20%

Biogas
-90%

HVO
-90%

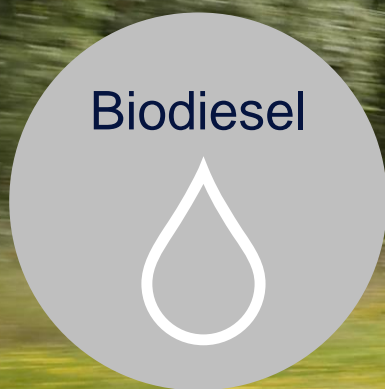
Biodiesel
-66%

Ethanol
-90%

Hybrid
-92%



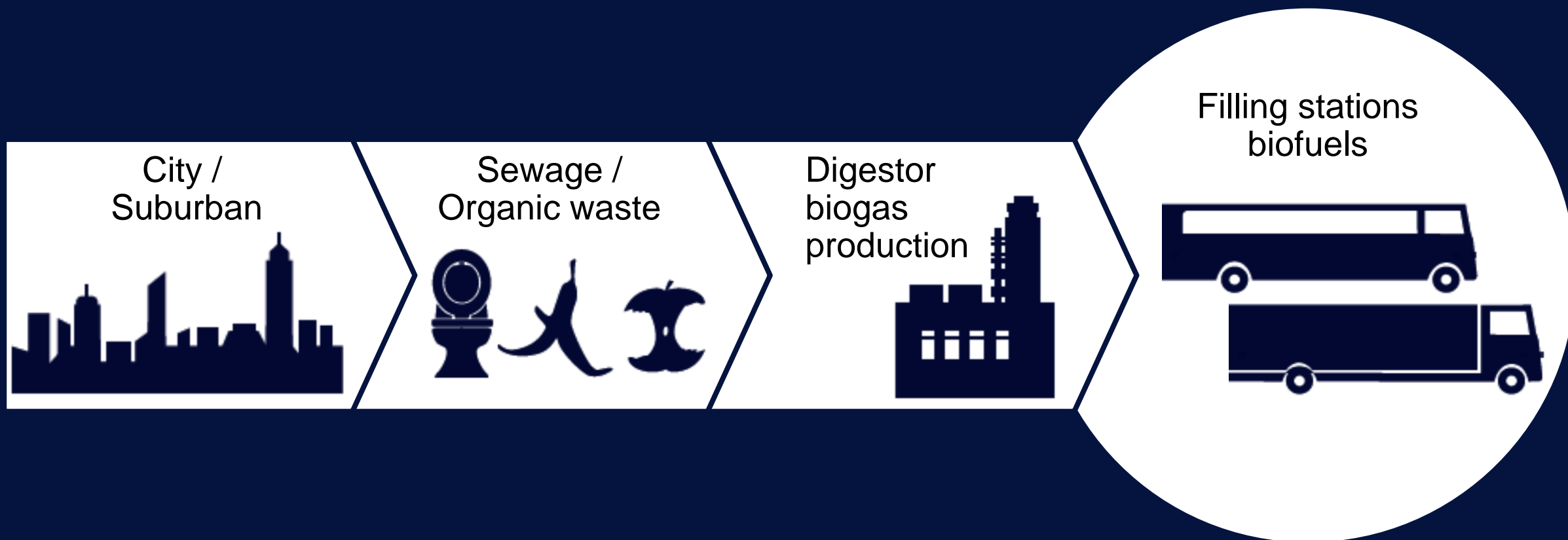




High availability

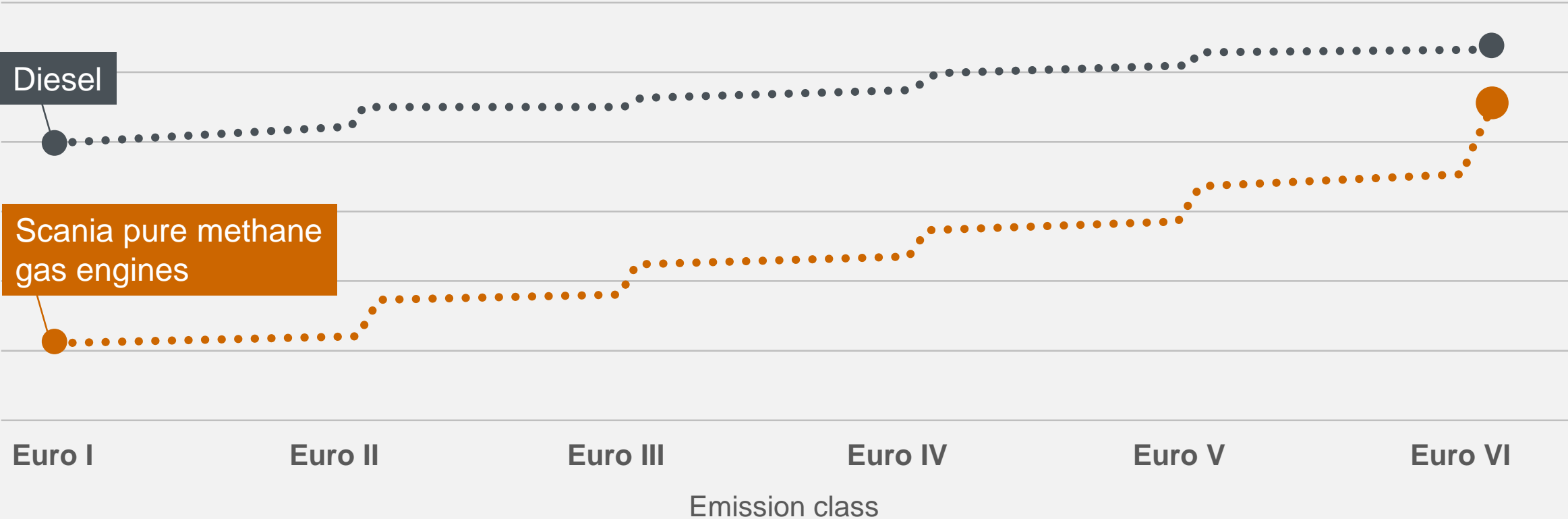
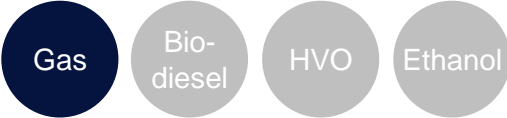


Biogas, great CO₂ reduction potential



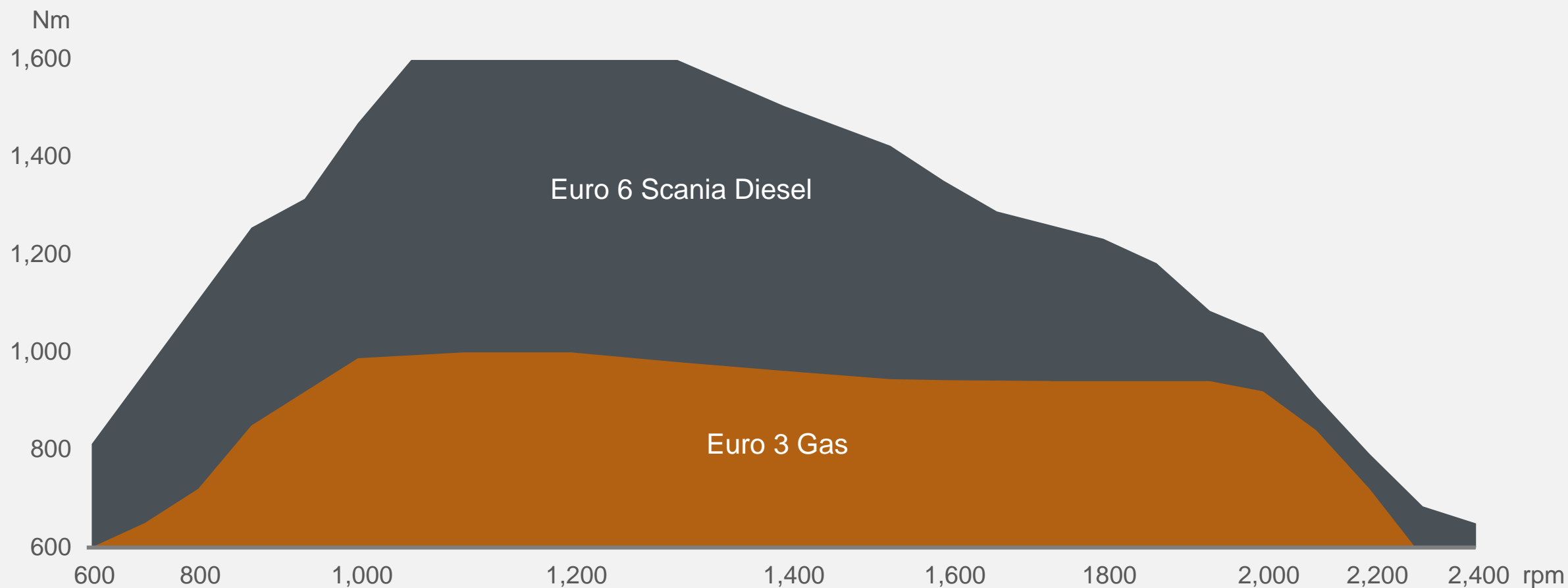
Paradigm shift – Scania Gas Engines

Fuel efficiency



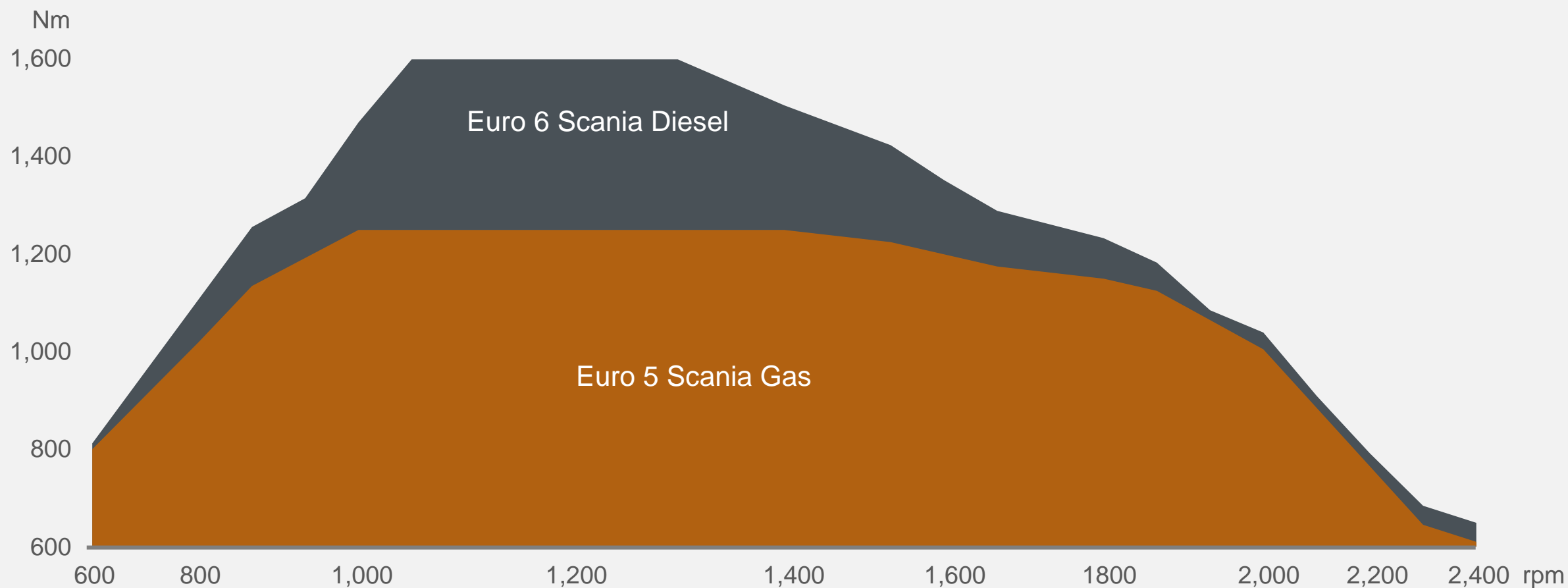
Paradigm shift – Scania Gas Engines

Power development



Paradigm shift – Scania Gas Engines

Power development



Applications



City distribution



Regional distribution



Refuse



General cargo



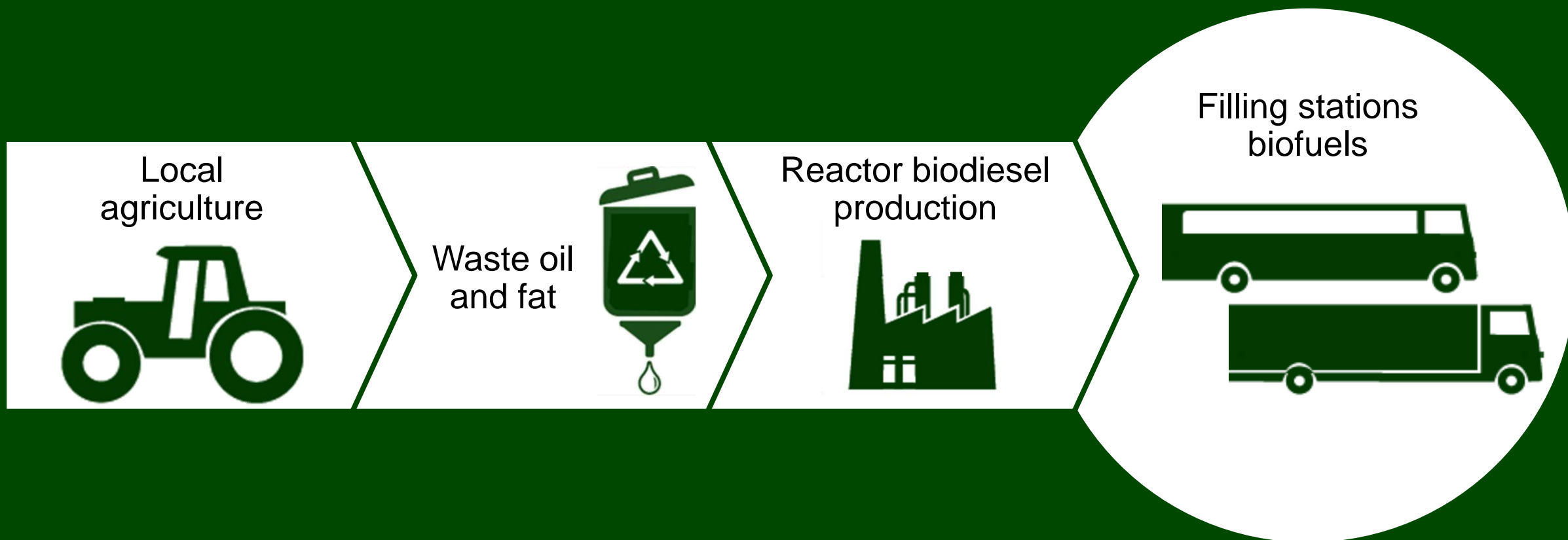
Hooklift



Skip loader



Great CO₂ reduction potential



Scania biodiesel FAME trucks

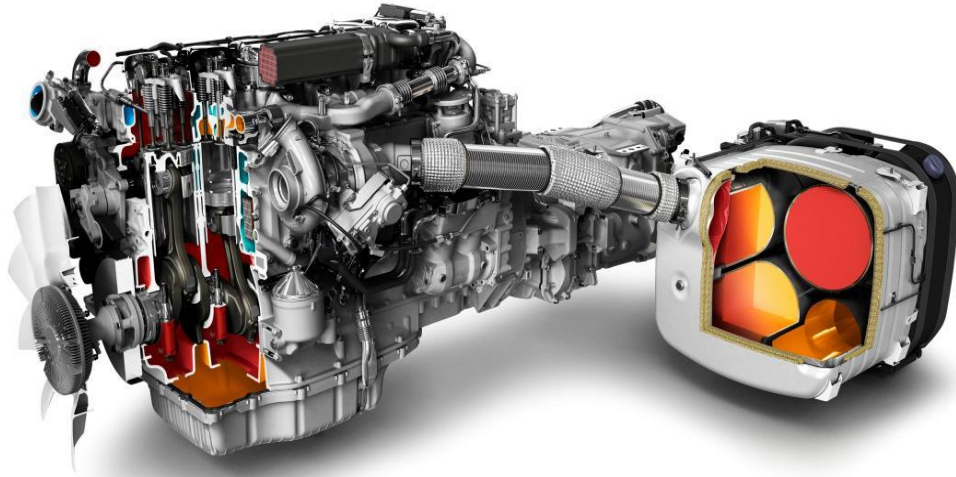


Efficiency



Wide application range

Biodiesel adapted after treatment, modular silencer



Oxidation
catalyst

Particulate
filter

AdBlue

SCR

Applications

Gas

Bio-
diesel

HVO

Ethanol



Distribution



Refuse



Hooklift



Skip loader



General Cargo



Volume



Bulk ADR



Forestry



Gas



Biodiesel



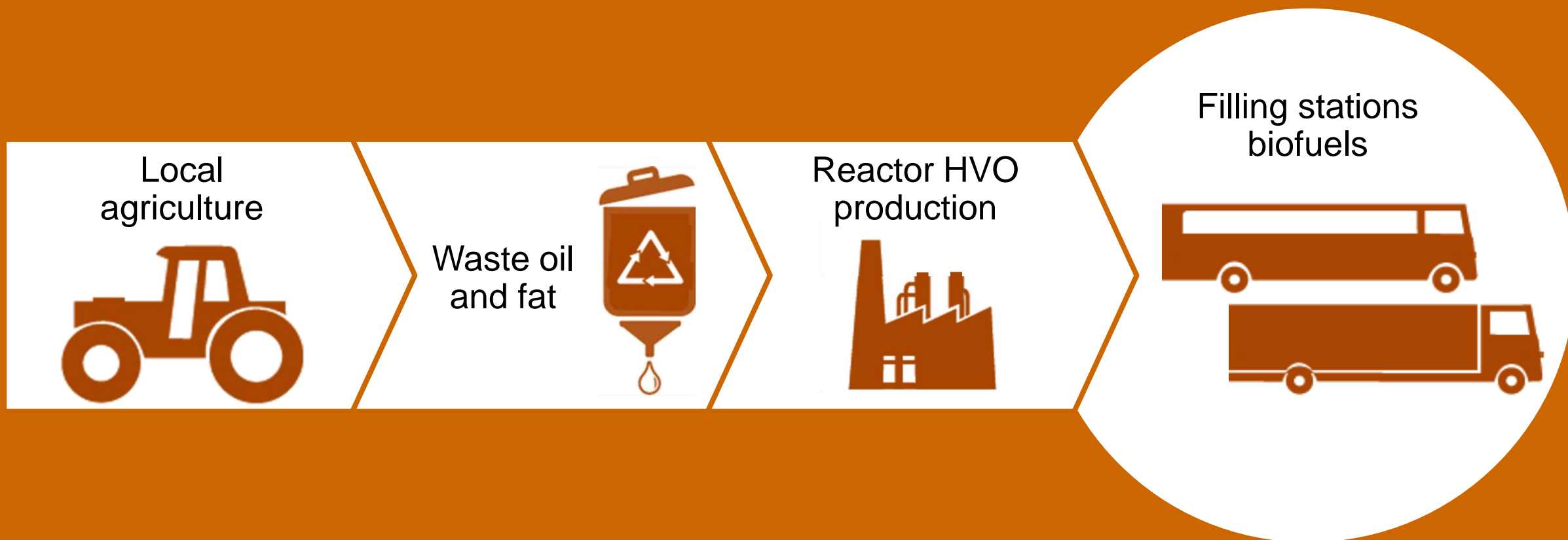
HVO



Ethanol



Great CO₂ reduction potential



Applications



Ethanol, world's largest biofuel



Production split (Energy)



Great CO₂ reduction potential



Applications

Gas

Bio-
diesel

HVO

Ethanol



City distribution



Regional distribution



Refuse



Temperature goods



Hooklift



Mixer



Skip loader



Other

Scania hybrids – A journey, just started

Scania Fuel Cell
Concept bus



2001

Scania Hybrid
Concept bus



2007

Dedicated department
for hybrid development

Scania Hybrid
Demonstrator truck



2012

Scania Citywide
hybrid bus



2014

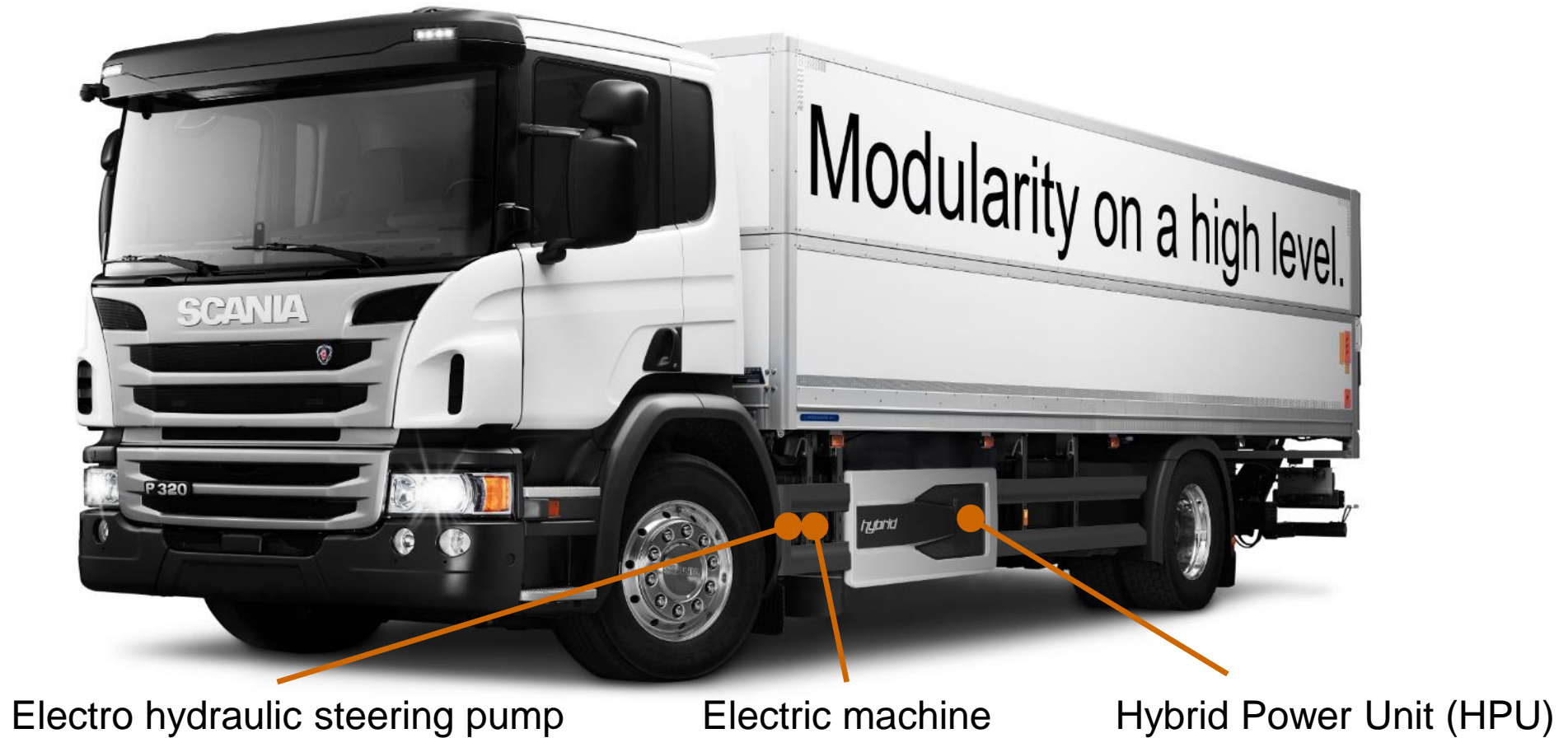
Scania Hybrid truck
– with electric drive



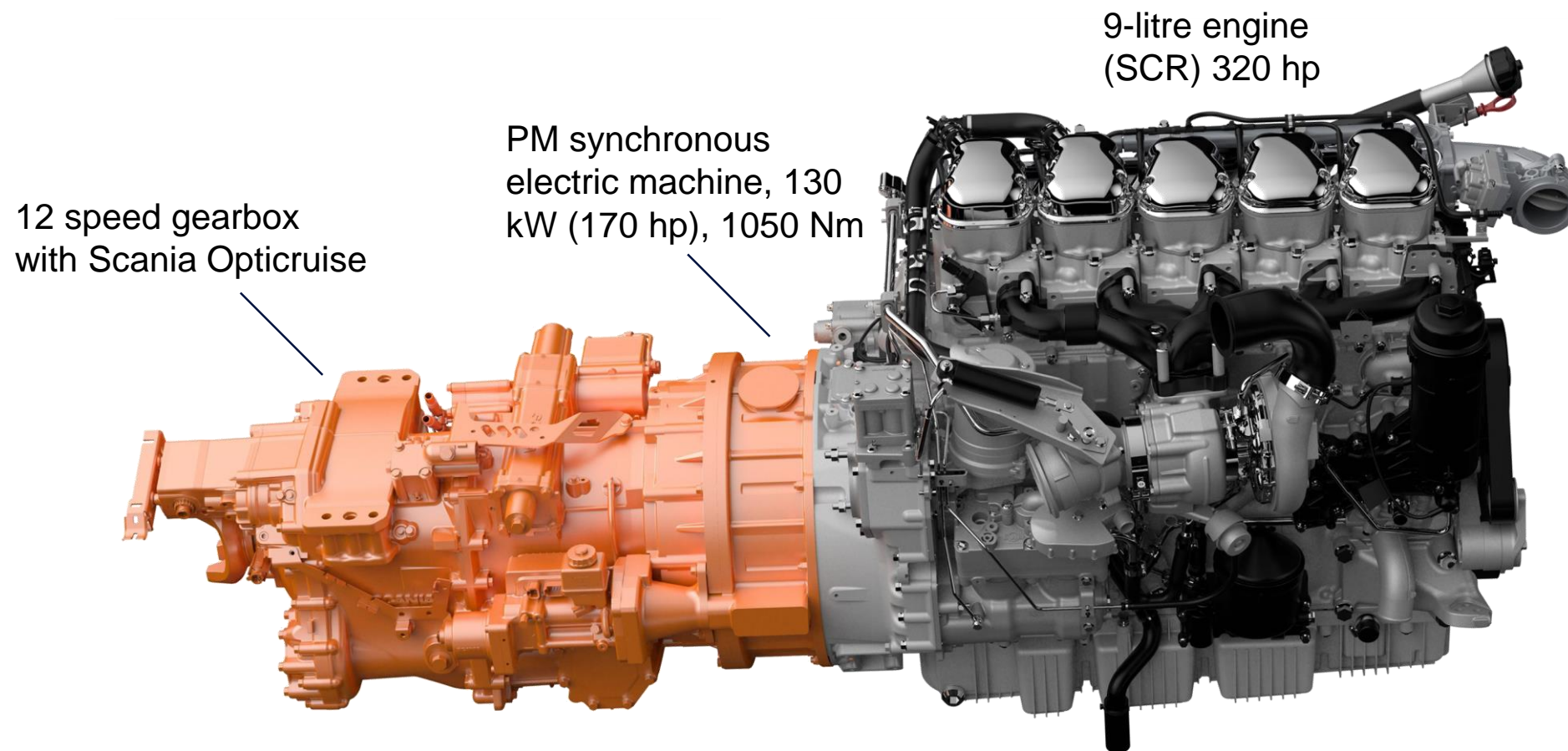
2016

Production starts
Q3

Main hybrid components




Scania parallel hybrid powertrain



Silent mode? Night deliveries.



Night deliveries – Clear trend in Western world

- 
- A world map with a dark blue background. Countries are colored based on their night delivery implementation status: dark orange for 'Fully implemented', light orange for 'Partly implemented', and yellow for 'Trials'. The United States is colored light orange. Several European countries, including the UK, France, Germany, and Sweden, are colored dark orange. Other European countries like Spain, Italy, and Finland are colored yellow. Most countries in Africa, Asia, and South America are white, indicating no data or no implementation.
- Fully implemented
 - Partly implemented
 - Trials

Focus on applications with many stop/starts

City and regional distribution



Refuse collectors



Connectivity

– the bridge into autonomous vehicles



Platooning



Longer vehicles



Electrified road systems



Fully electric vehicles

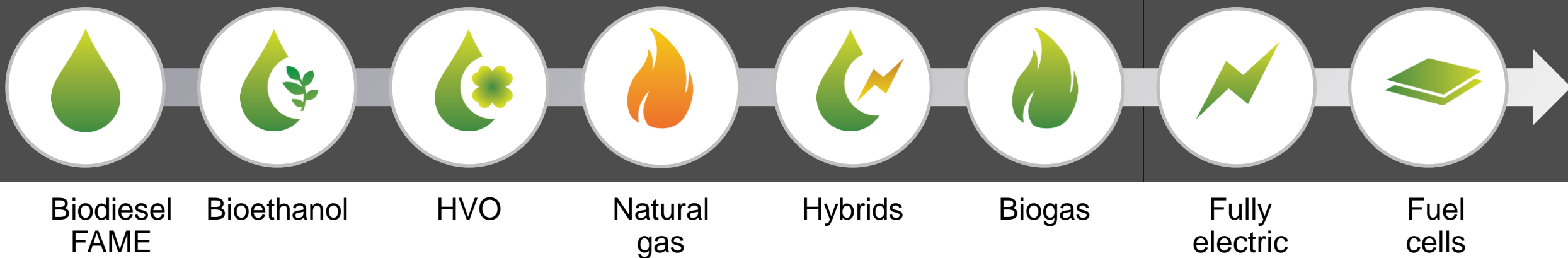


What if you combine these technologies?



Alternative fuels

- Commercial maturity
- Availability
- Infrastructure





SCANIA