

INTERNATIONAL WORKSHOP ON GREEN CORRIDORS European Experience and Brazilian Perspectives



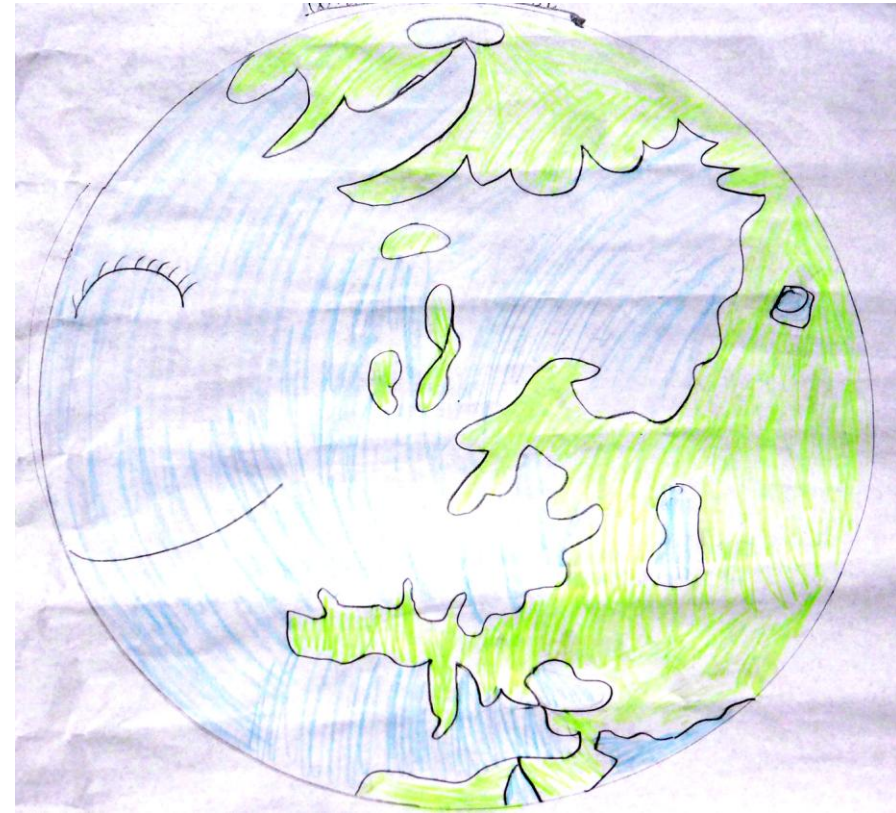
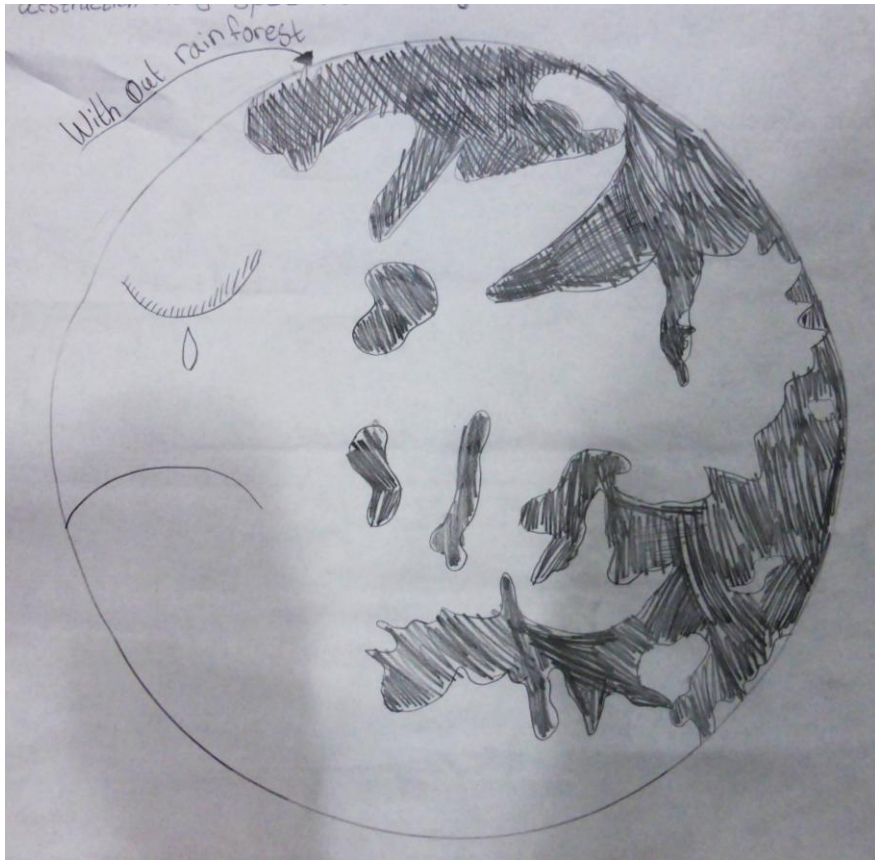
Green Technologies – New Sustainable Technologies for Trucks

Håkan Sjödin

Head of Powertrain Development

Scania Latin America

To be a part of the problem or... be a part of the solution?

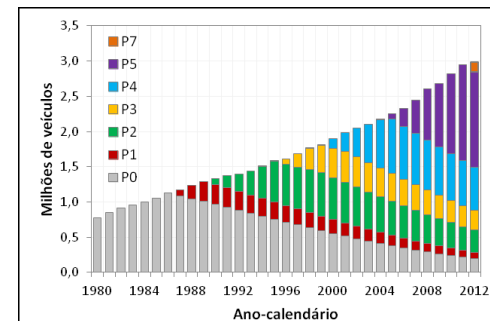
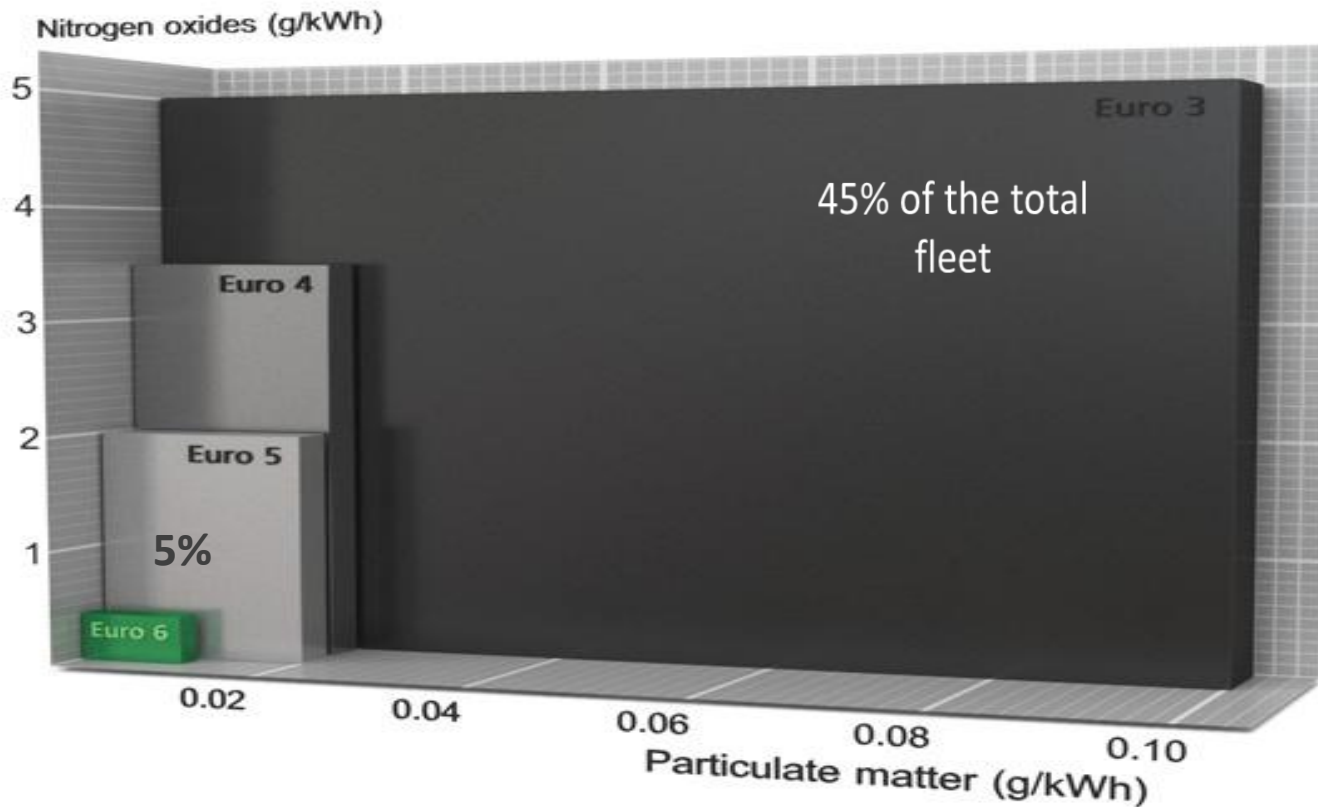


Utilise available solutions



The Brazilian Fleet

55% outside
the box



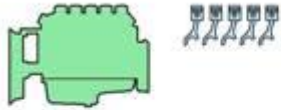
Scania Euro6 Engine program

- Reduced fuel consumption
- First to launch globally with a wide program
- Wide range of different fuel
- Hybrid applications
- Opticruise
- Scania Retarder
- Reduced Air resistance
- Reduced Rolling resistance

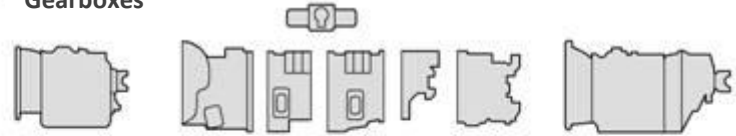


Scania Modular System

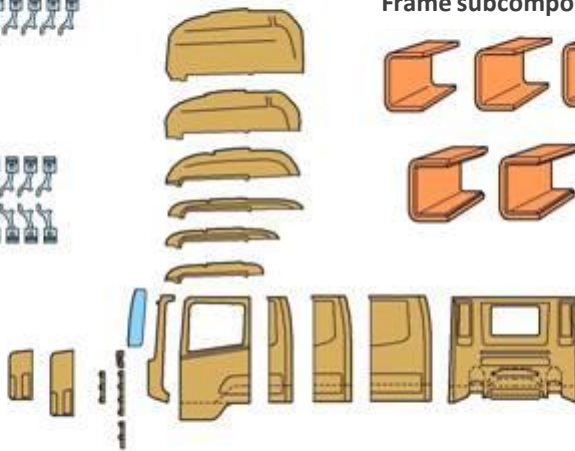
Engines



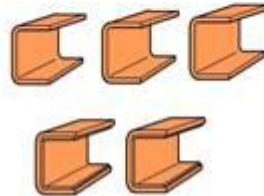
Gearboxes



Cab subcomponents



Frame subcomponents



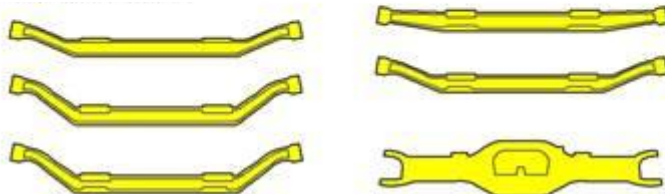
Propeller shafts



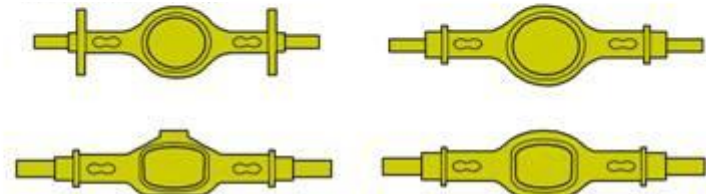
Axle gears



Steered axles



Powered axles



145 439



Different needs ...



...different solutions



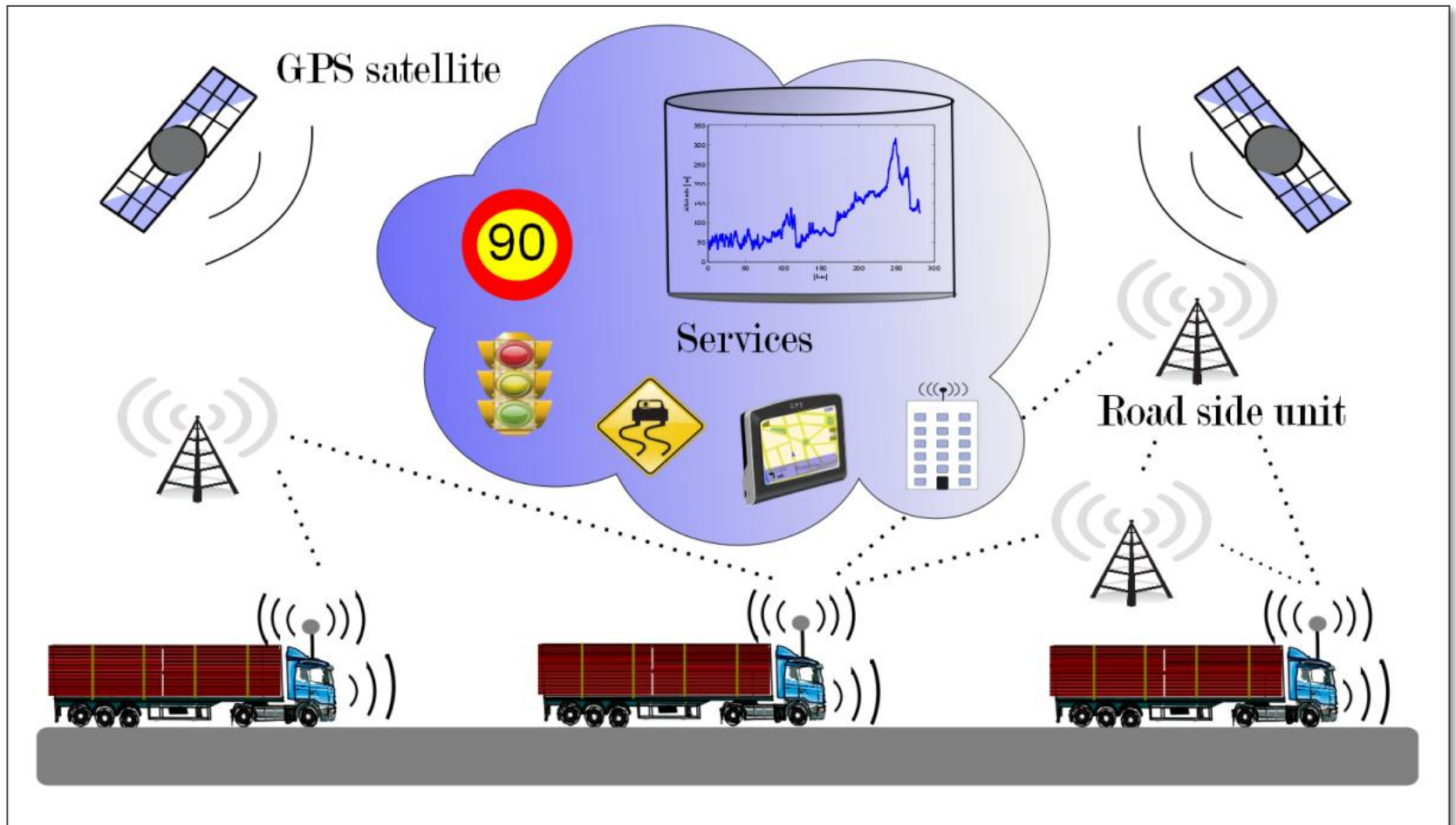
**Conductive power transfer
from overhead lines**



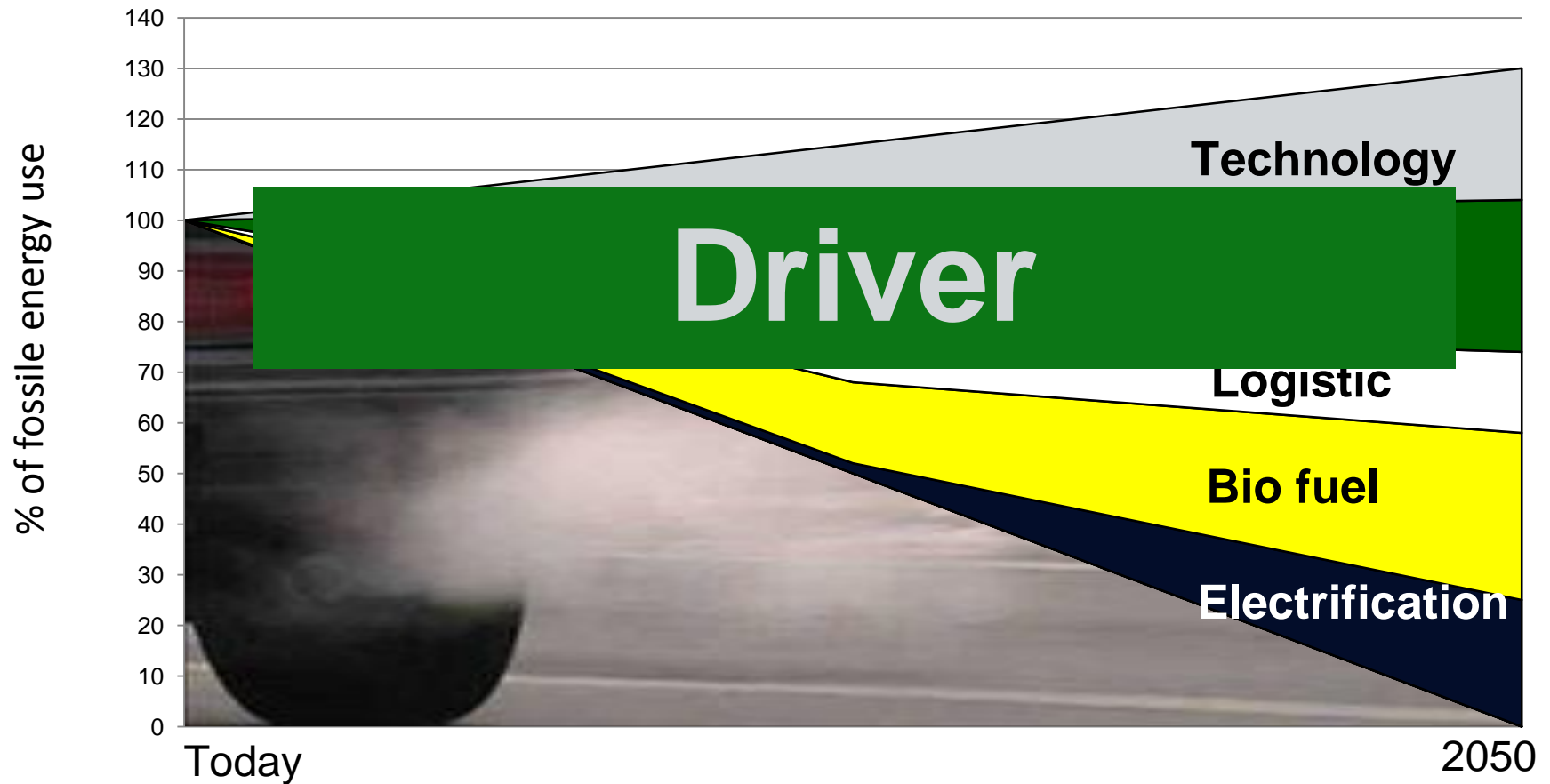
**Inductive power transfer
from the road**



Connectivity



Utilise available solutions



Driver training



Elevation (mining)



Coach



Forestry



Agricultural



City distribution



Fuel transports



City bus



Off road rough



Off road Basic



Winter training



Fuel Efficiency



Vehicle Introduction



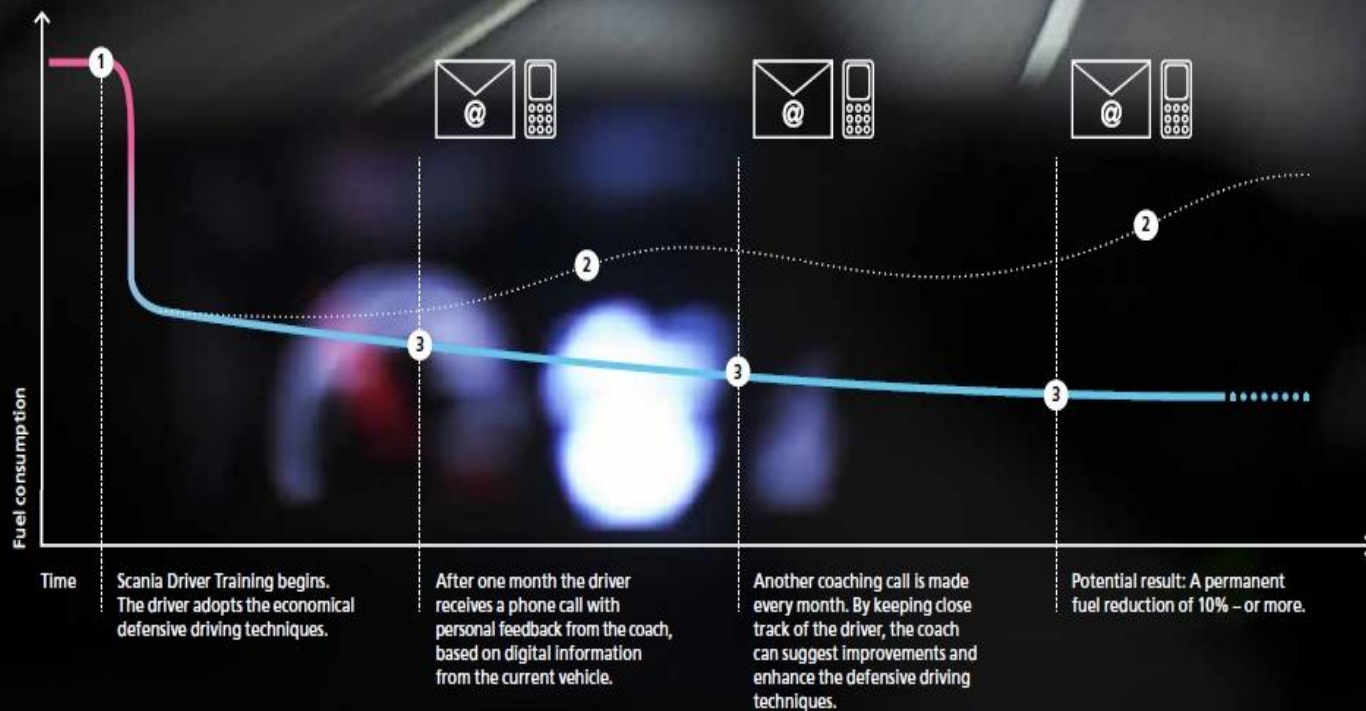
Scania Driving coaching

Stay on top with personal feedback

Studies show that drivers tend to slide back into old fuel-consuming driving patterns between driver training sessions. This can be prevented with Scania Driver Support that provides instant digital feedback on the instrument cluster and Scania Driver Coaching that will boost the driver with regular personal feedback.

This combination can make the great initial effects of driver training – a reduction of fuel consumption by up to 10% – permanent. Better yet, provided that the driver continues to improve, the fuel consumption can in fact be even further reduced.

- 1 Scania Driver Training reduces fuel consumption by up to 10% almost immediately.
- 2 Between driver training sessions the driver relapses into old driving patterns, increasing the fuel consumption.
- 3 With Scania Driver Coaching and Scania Driver Support, the driver can keep developing and further reduce the fuel consumption.



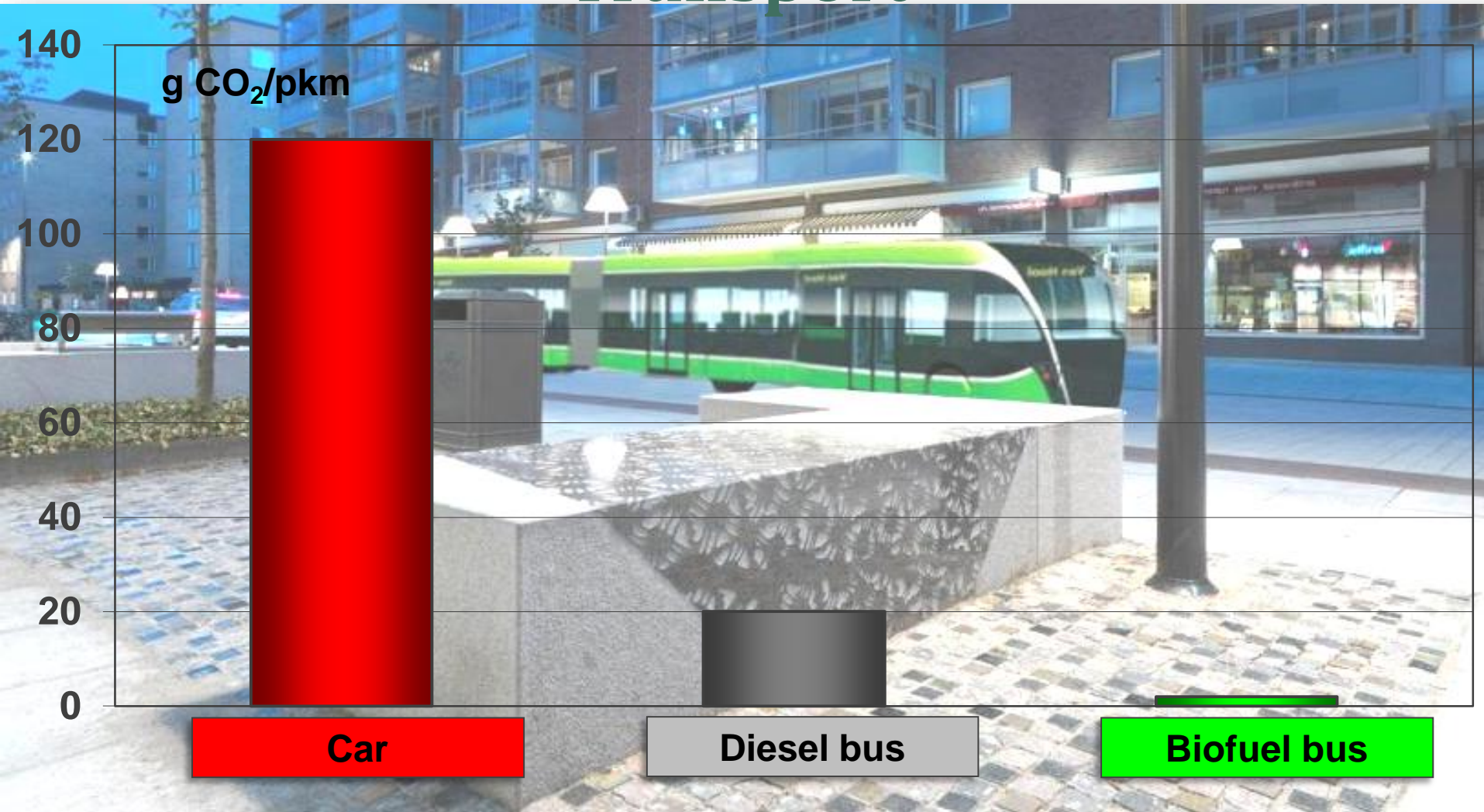
Utilise available solutions



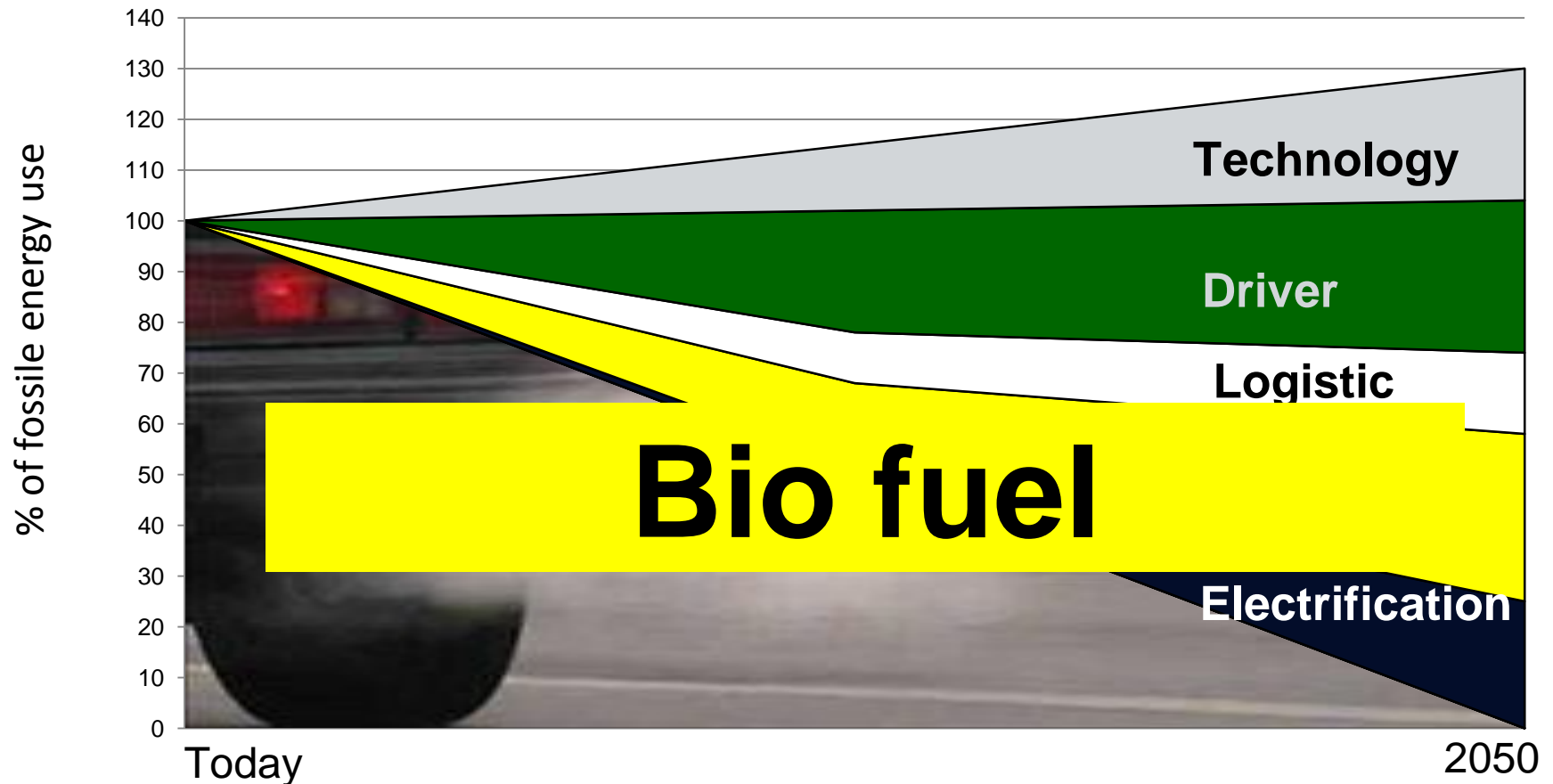
Longer and Heavier vehicles are much more efficient!



Biofuel + Bus Systems = Sustainable Transport



Utilise available solutions



Products for the 4 major alternative fuels



Bioethanol

World's No. 1
biofuel
Diesel engine

*Buses, coaches
waste collectors,
distribution trucks*

Biodiesel

Low blends to
100%
Diesel engine

*All types of
applications*

Methane gas

CNG and
biomethane
Otto engine

*Buses, coaches
waste collectors,
distribution trucks*

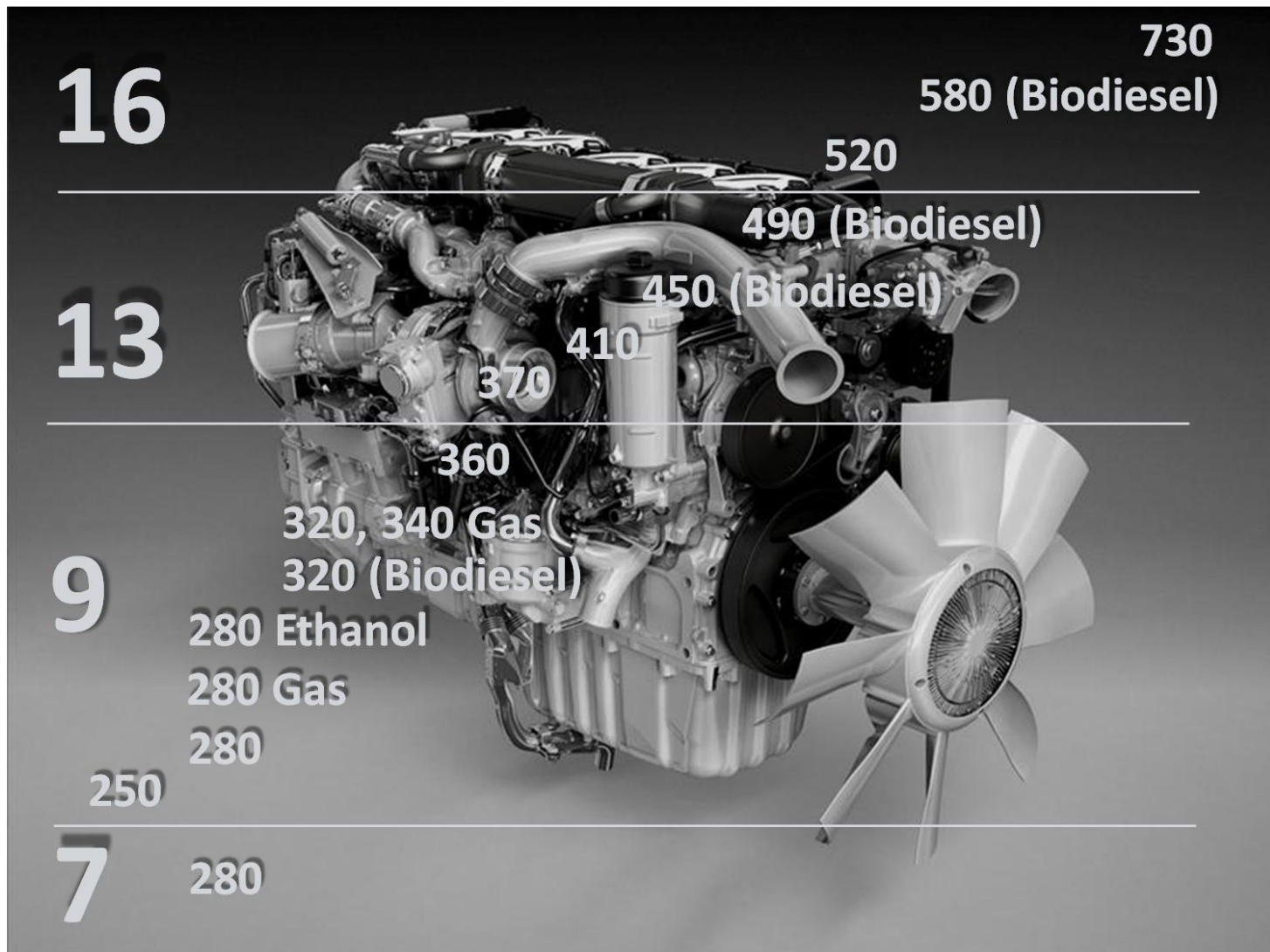
HVO

Low blends to
100%
Diesel engine

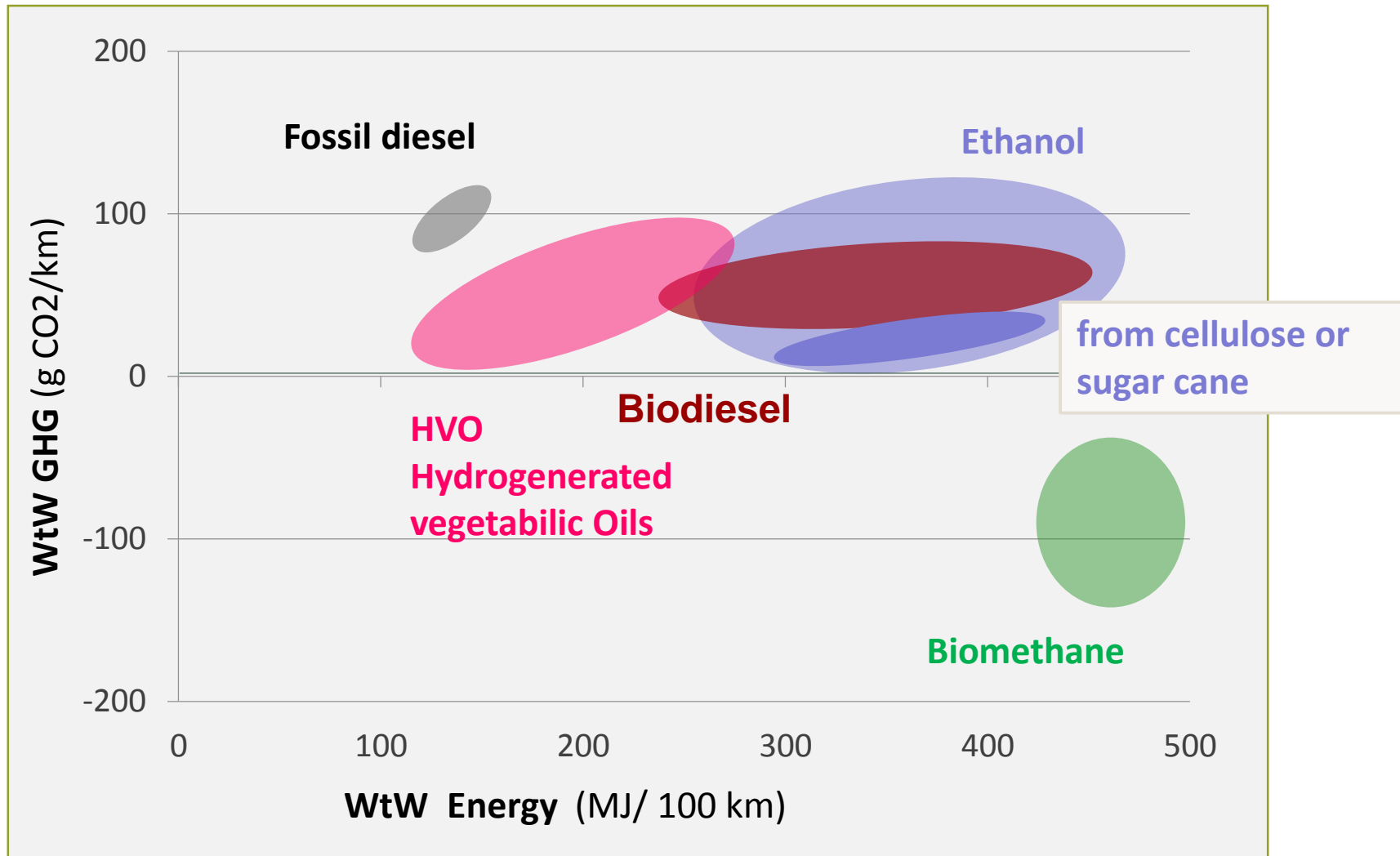
*All types of
applications*



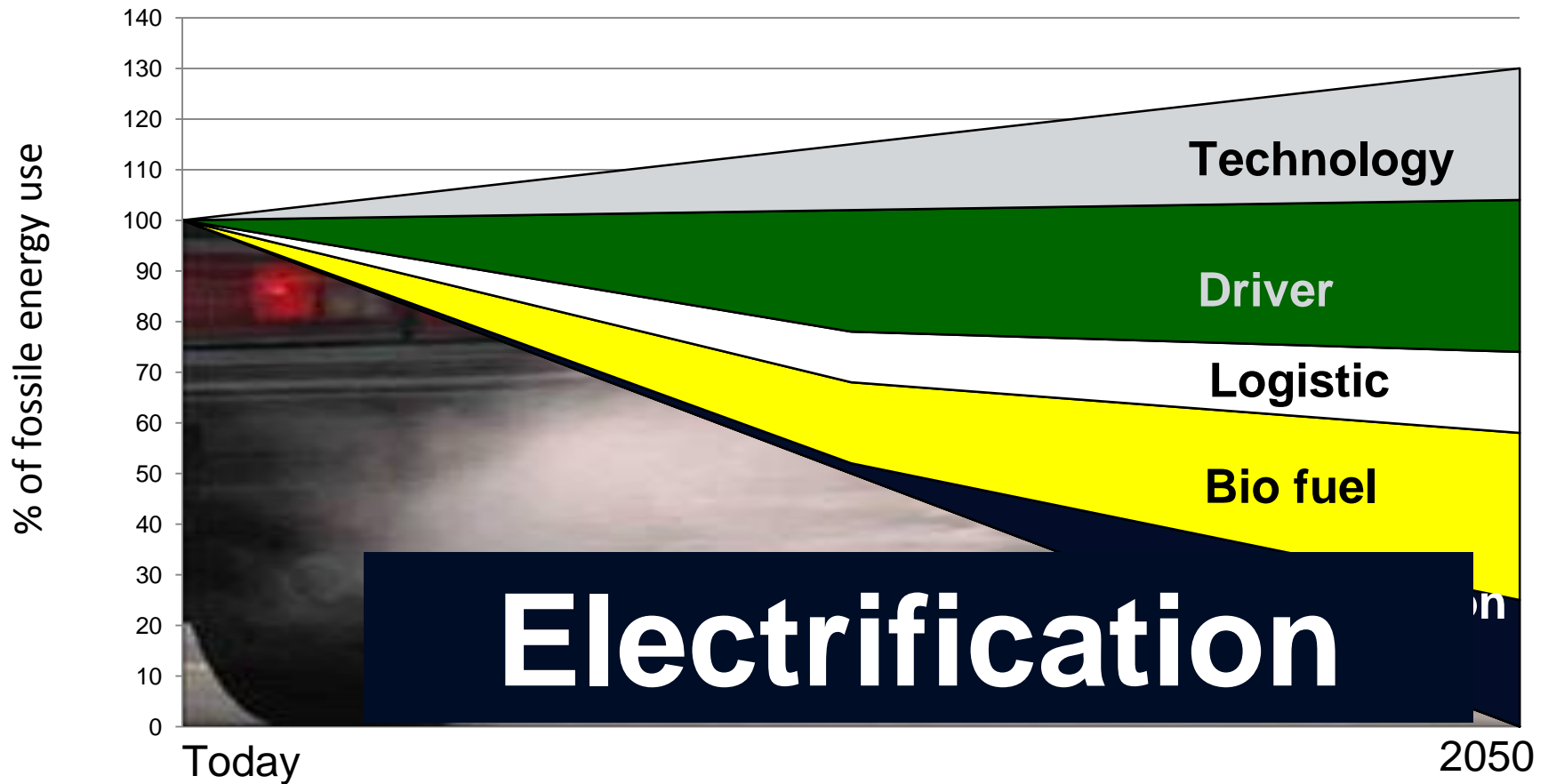
Scania Global Euro6 Engine program



JRC study of WtW, 2014, passenger cars



Utilise available solutions





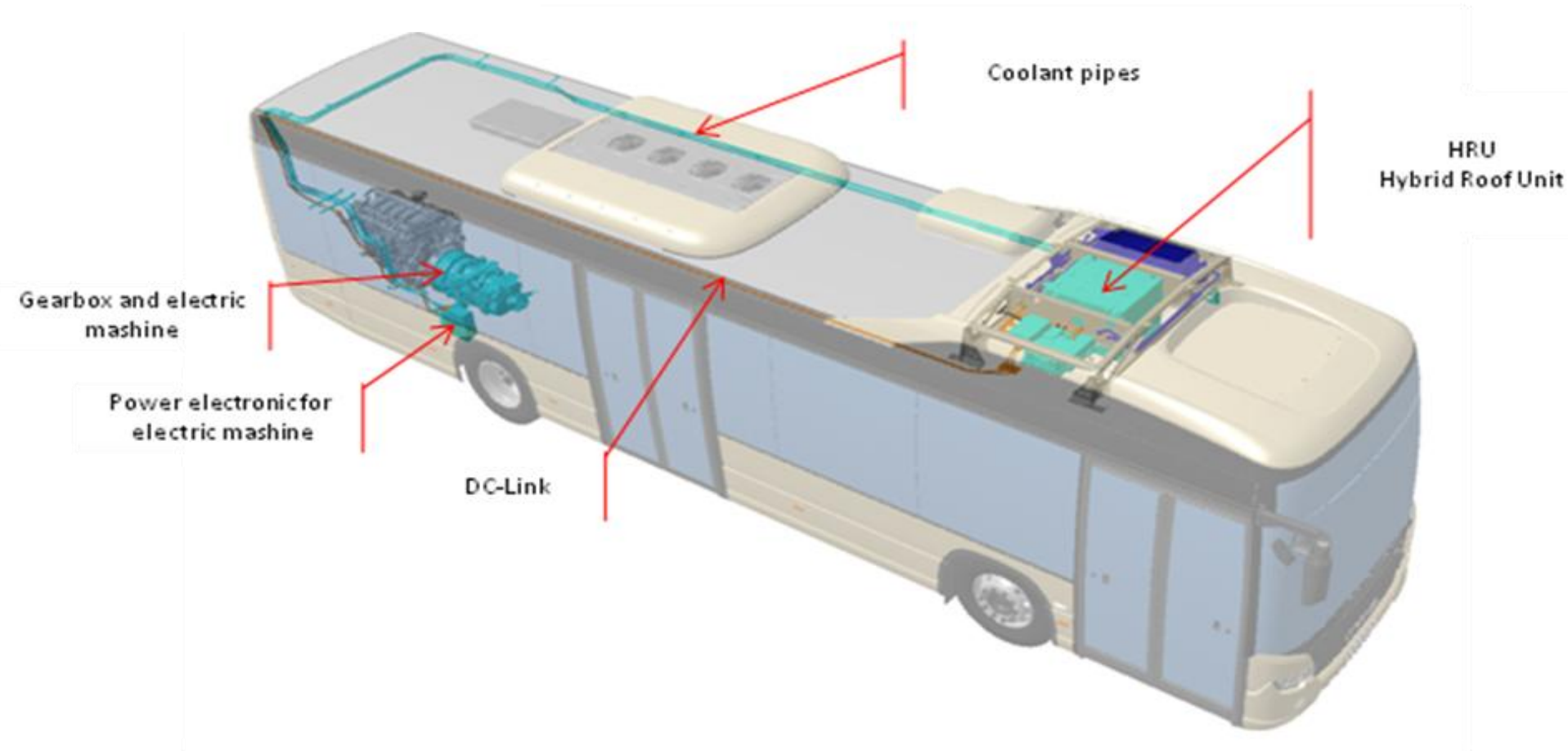
Hybrid saving potential

2,000 - 5,000 litres saved per year

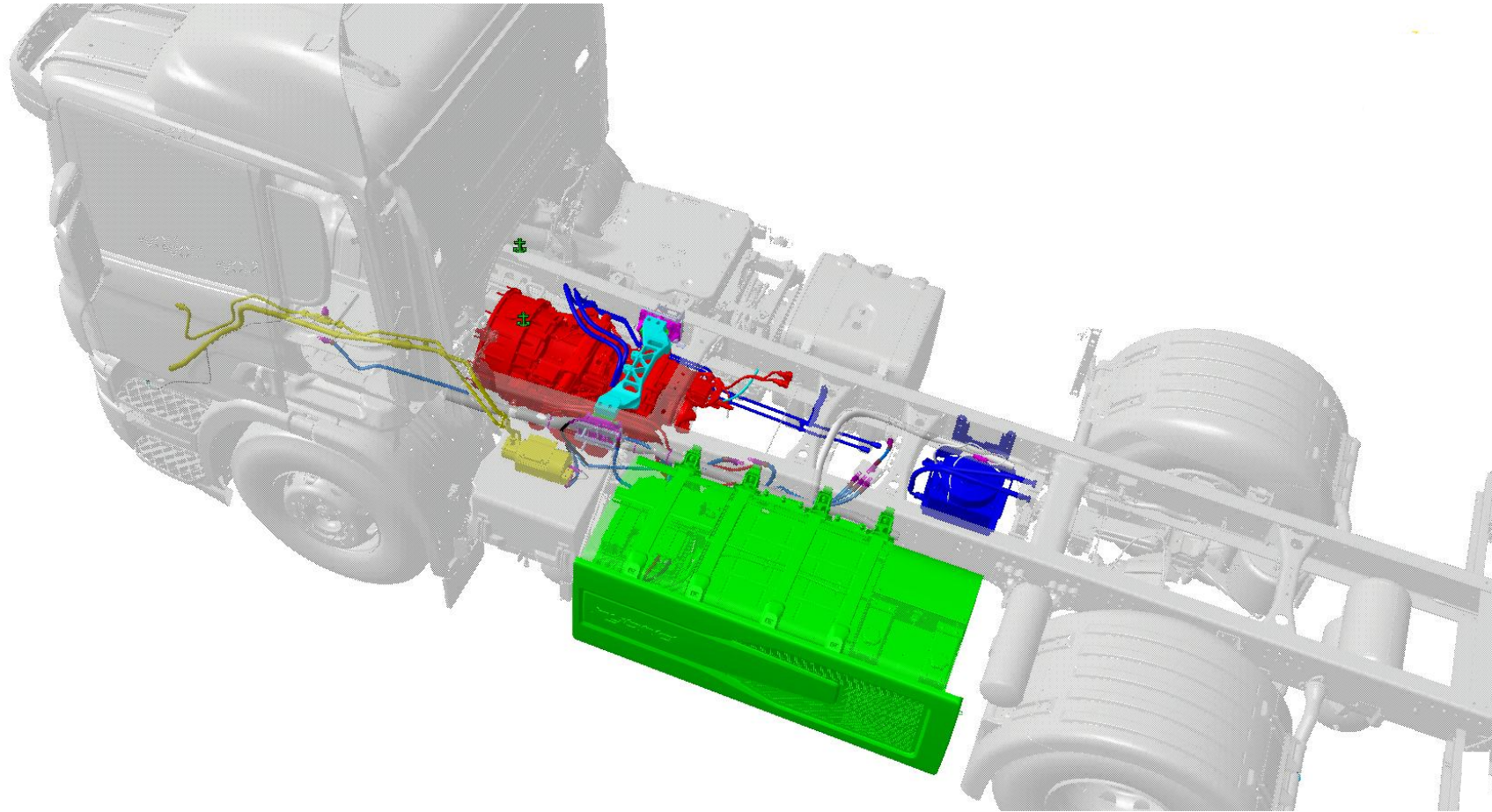


SCANIA

Hybrid system overview



Hybrid truck installation



Utilise available solutions

