IVECO

Your partner for sustainable transport





Air quality ...





Diesel ...



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Low Emission Zones









FACT: Euro VI trucks are exceptionally clean ...

- Exhaust emissions are cleaner than the air drawn into the engine
- Almost act as vacuum cleaners for particulates in many cities
- Thanks to screening effects of diesel particulate filters





BUT ...

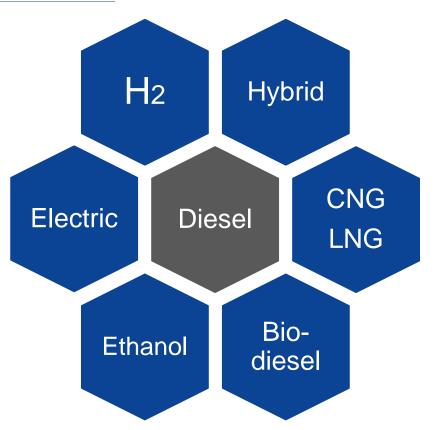
VORKSHIRE

- As a fossil fuel, diesel has the highest carbon content per energy unit
- Diesel combustion produces particulates
- Diesel combustion generates noise
- Production & transport risk major ecological damages (oil spills)
- Diesel taxation is only going to increase

Alternative solutions are needed ...



Replacement candidates



Must be as efficient as diesel

- Total Cost of Ownership
- Reliability & Safety
- Payload & Versatility
- Comfort & Performance

Must be low environmental impact

- Reduced CO₂ emission
- Reduced air pollutants
- Reduced noise levels

Efficient distribution network

- Widespread availability
- Ongoing, easy access supply



Replacement candidates

		Alternative technologies				
		Full Electric	Parallel Hybrid	Plug-in Hybrid	CNG Bio CNG	LNG Bio LNG
Missions	Urban	+++	+	+++	+++	+++
	Regional	Impractical	No benefit	+	+++	+++
	Off-Road	Impractical 10 years +	No benefit	+	+++	+++
	National	Impractical 10 years +	No benefit	No benefit	+++ Rigids only	+++
	Long Haul	Impractical 10 years +	No benefit	No benefit	Difficult	+++



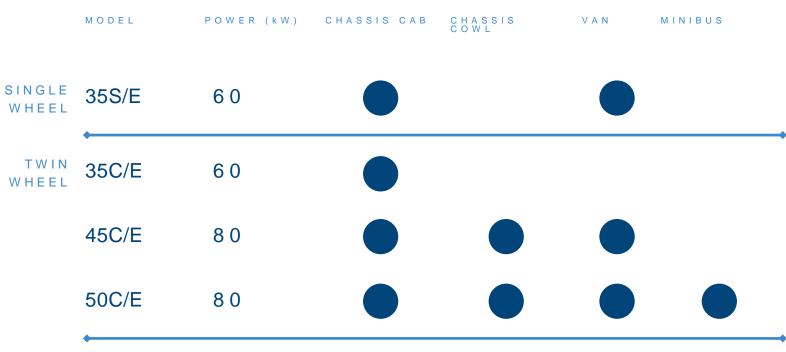
BLUE POWER DAILY ELECTRIC



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BLUE POWER DAILY ELECTRIC



Battery configuration from 1 to 3 units, up to 200 km range

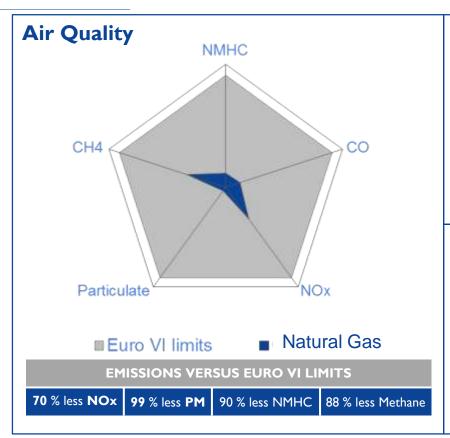


Natural Gas: a clean solution ...





Natural Gas



Global Warming

10 to 95% CO2 emissions annually

Up to 20 tonnes CO2 saving per truck

Up to 125 tonnes CO2 saving per truck with Bio-CNG/LNG

Noise

3 dB noise reduction

Piek Quiet Truck Certification (-72 dB)

Night time delivery possible



Natural Gas BIO

CNG-LNG vs DIESEL Euro VI				
NOx Emissions	-54%			
NO2 Emissions	-96%			
CO2 Emissions	-10% (15 tonnes/truck/yr)			

BIO CNG-LNG vs DIESEL Euro VI				
NOx Emissions	-54%			
NO ₂ Emissions	-96%			
CO ₂ Emissions	-80% (120 tonnes/truck/yr)			





Daily Natural Power (with Hi-Matic)





Eurocargo NP





IVECO

19



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20



4X2 TRACTORS
UP TO 1,600 KMS



6X2 TRACTORS
UP TO 750 KMS



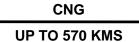
UP TO 1,150 KMS



2 & 3 AXLE RIGIDS
UP TO 1,600 KMS









CNG + LNG
UP TO 1,100 KMS



DOUBLE LNG
UP TO 1,600 KMS



SINGLE LNG
UP TO 800 KMS



Natural Gas engine range ...

F1C



136 hp

350 Nm

URBAN DISTRIBUTION **NEF 60**



204 hp

750 Nm

INTER-URBAN DISTRIBUTION

CURSOR 8 NP



330 hp

1,300 Nm

MUNICIPAL & DISTRIBUTION

CURSOR 9 NP



400 hp

1,700 Nm

REGIONAL & LONG HAUL

CURSOR 13 NP



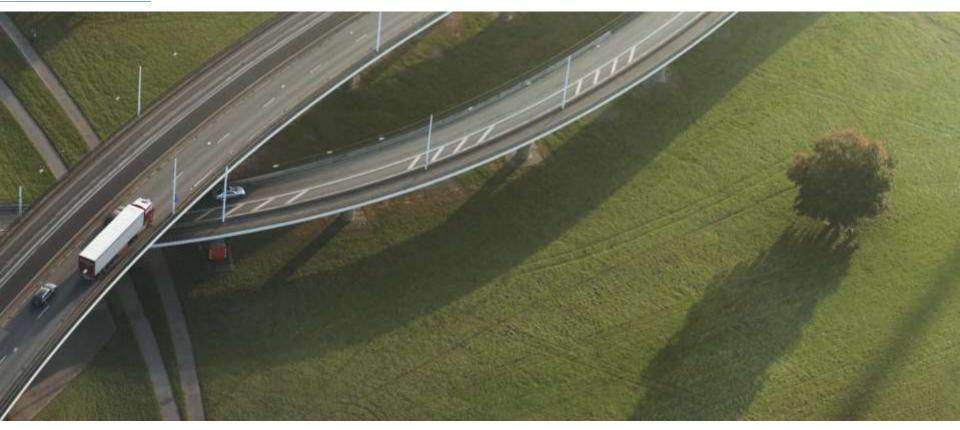
460 hp

2,000 Nm

INTERNATIONAL



Natural Gas: Because the world won't wait ...





LEADER IN ALTERNATIVE FUELS



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