

26th World Gas Conference

1 – 5 June 2015, Paris, France



Success years? 2015-2016

Lennart Pilskog, Secretary General
NGVA Europe



Vision

Natural Gas is a major transportation fuel in Europe, the share of Biomethane is growing and the fuel is recognised as a contributor to sustainable mobility.

We all depend on transport



Methane for all type of vehicles and transport modes

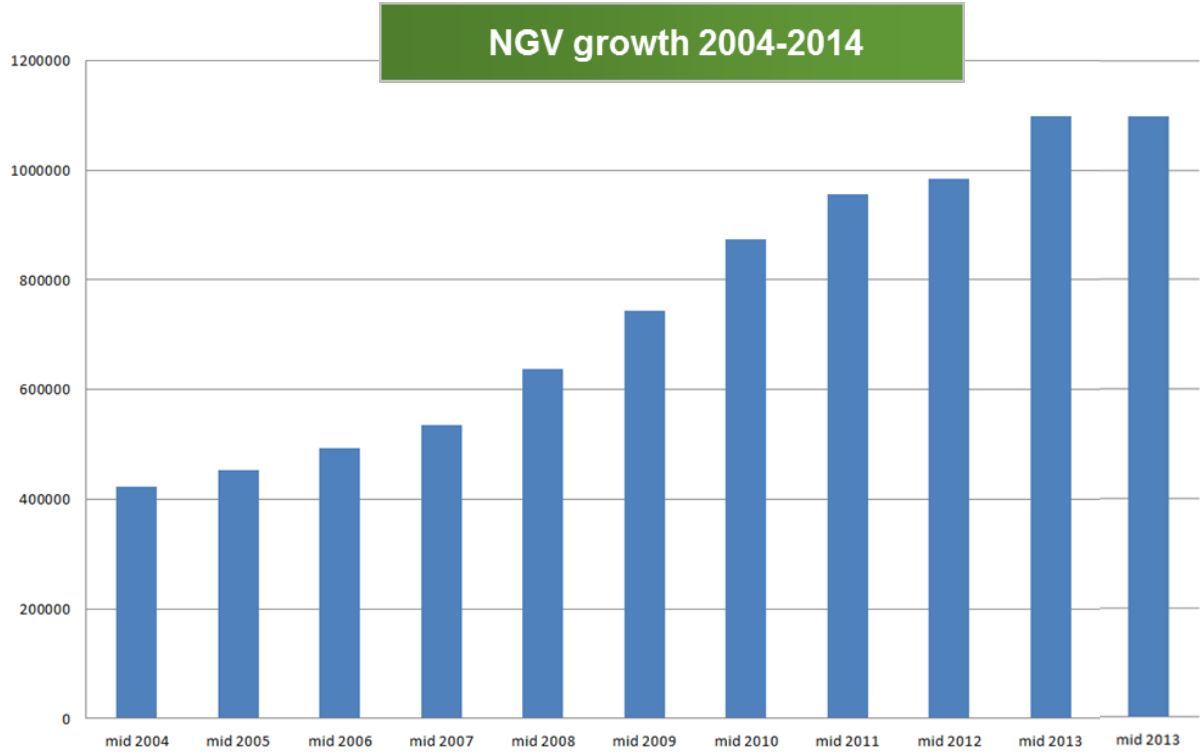


CNG

LNG

- Significant reduction/avoidance of CO2 emissions
- Integration of renewable methane, Bio-Methane, no blending limitations
- Substantial reduction of Particles and NOx
- Reduction in noise levels
- Only real alternative to oil available today!

European NGV Market development (75% of the NGV market is in Italy)



1.2 million NGVs mid 2014 (market share < 1%)






CNG buses & garbage trucks – a European success story (main countries 22.000 units)



Mercedes Econic NGT, Athens



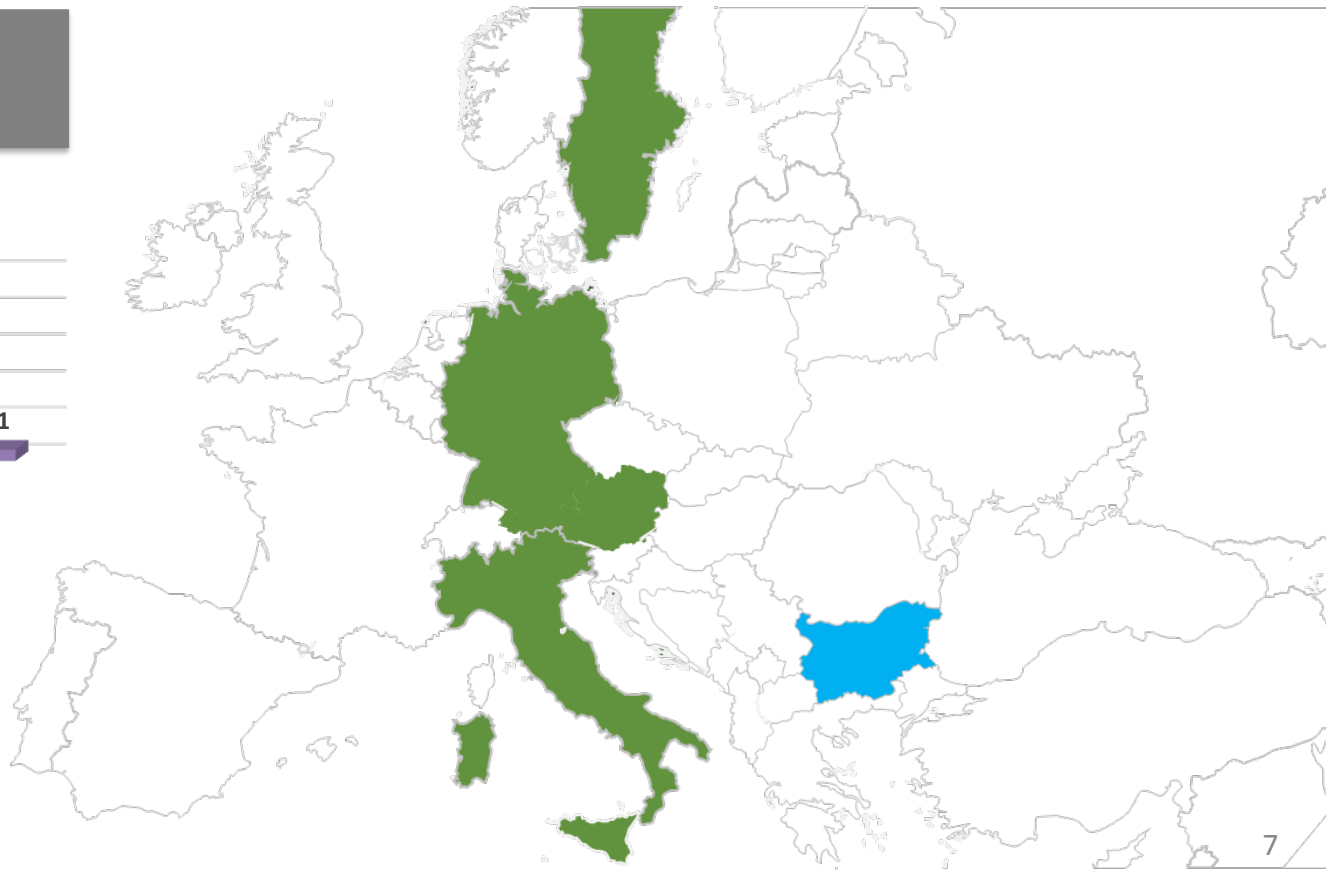
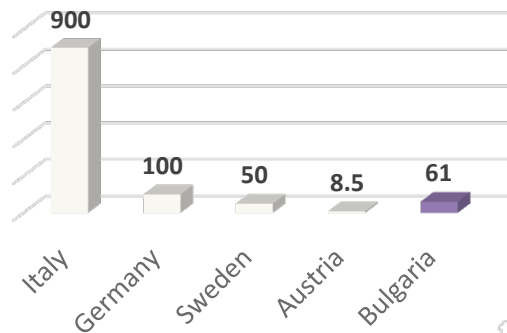
Iveco Bus CNG, Barcelona

	CNG buses: 2.300 CNG trucks: 3.000
	CNG buses: 2.400 CNG trucks: 1.100
	CNG buses: 1.609 CNG trucks: 1.322 (incl. 320 LNG)
	CNG buses: 2.160 CNG trucks: 755 (incl. 70 LNG)
	CNG buses: 1.735 CNG trucks: 176

Others (HD NGV): Netherlands (1.070, incl. 300 LNG), Greece (720), UK (700, incl. 630 LNG), Czech. Rep. (600), Norway (540), Poland (450), Portugal (440), Slovakia (325), Bulgaria (320), Lithuania (300), Switzerland (300), Austria (220)

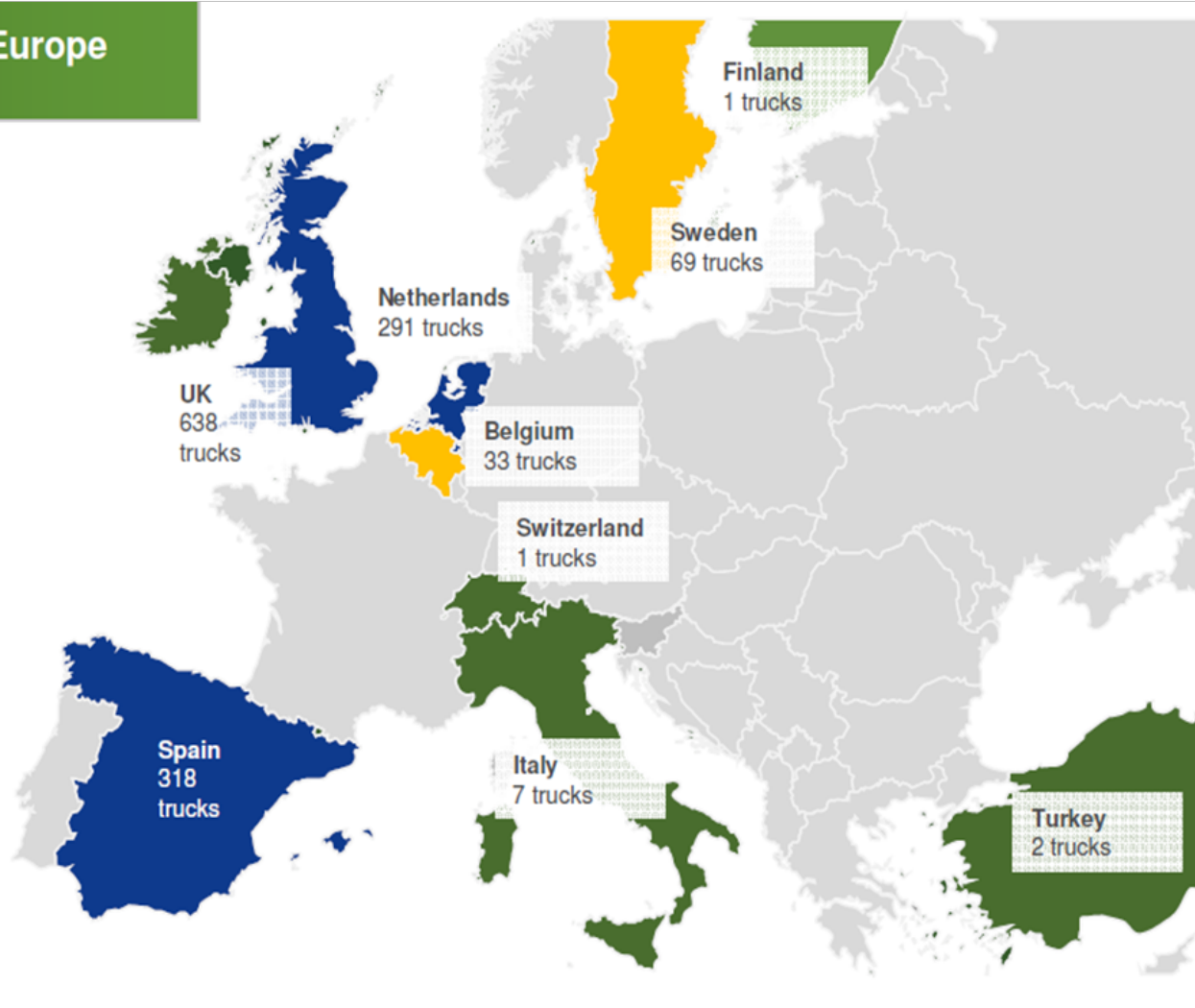
Current NGV market

22,000 Buses and Trucks
1,2 million Light Duty Vehicles



Source: NGVA Europe, 31.12.2014

LNG Vehicles in Europe



- > 200
- > 25
- < 10
- None

LNG Blue Corridor Project

LNG Stations

- 5 LNG facilities have been built so far (Italy, Sweden, Belgium, Portugal and Spain).
- It is planned that the 14 stations will be in place and the end of this year.
- + 5000 fillings in the LNG BC stations

LNG Trucks

- + 100 trucks already generate data for the project.
- The initial expectations of 100 LNG trucks will be exceeded by far since not less than 135 trucks will be monitored.
- The first Euro VI trucks were put in place by Iveco with its new LNG-powered Stralis 330 truck, in accordance with UNECE regulation 110 (LNG trucks and components).
- More than 3 million km driven by the LNG BC trucks so far.



Directive on fuel infrastructure: CNG & LNG



Published in the EU Official Journal October 2014 National policy frameworks within 24 months from implementation.



400 km



150 km

Detailed provisions:

- CNG in cities/densely populated areas by 2020
- CNG & LNG on TEN-T core network by 2025.
- LNG in sufficient TEN-T seaports by 2025.
- LNG in sufficient TEN-T inland ports by 2030.
- Common technical standards by 2016.
- Unit price per "1 petrol litre equivalent" allowed for comparability of fuel prices.

UN ECE Regulation 110 and ADR transports

- ✓ European type-approval for LNG vehicles
- ✓ All on-board components certified according to ECE-110
- ✓ ADR regulations from 2017 for LNG vehicles
- ✓ CNG awaiting approval for ADR transports





Cooperation is the only way forward:

- Politicians, authorities and stakeholders
- Fuel distributors
- Vehicle and component producers
- Transport organizations and buyers

Must work together to:

- Set standards for vehicles, emissions, fuels, filling stations and safety
- Create a well functioning market for supply and demand of methane

- Thanks you for your attention



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