



The Dutch National LNG Platform





- Platform connects business firms and government agencies working on LNG.
- We work on the introduction of LNG as a new, cleaner and quieter fuel for road transport and marine navigation.
- Founded in July of 2012
- Focus: remove barriers, encourage innovations.

Green Deal Policy in the Netherlands

- Green Deals aim to stimulate a sustainable growth of the economy. By taking away bottlenecks (regulation, laws, permits), activating cooperation or helping to source funds, in order to support the realization of the plans.
- Companies take initiatives that meet the targets set by the government in the field of climate and environment.
- Topics are: Energy, water, climate, transport, mobility, food.
- LNG combines several items in the Green Deal Rhine and Wadden.
- Parties involved: government, NGO's, companies, knowledge institutions
- All working together in the National LNG Platform

Submitter Government Result





Need for sustainable transport

Global:

- Climate change → CO2 emission Alternative fuels, drive-lines
- Shortage of oil → Alternative fuels

Local living environment:

- Air quality
- Noise







The start of PIEK

- In the city we have to:
 - Live
 - Work
 - Shop
 - Recreate
 - Sleep
- Noise reduction in urban environment
- Legislation in the Netherlands (based on WHO)
 - 19.00 -23.00 : 65 dB(A)
 - 23.00 07.00 : 60 dB(A)
- A challenge, a threat, an opportunity



	7,5 m DB(A)
Slamming door	74
Driving up/away	67 - 83
Load hatch	65 - 92
Containers over load floor	74 - 85
Refrigeration kicking in	70 - 78
Removing onboard forklift	77-82
Truck engine	65 - 82









Logistic implementation > 2004

- Traffic congestion problem
- Deliveries < 7.00 0'clock not allowed unless Peak, quiet vehicle
- Noise reduction accomplished →
 Evening-night distribution option
- Investment quiet equipment + 15 %
- Cost reduction > 20 %?
- Trials Albert Heijn

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Trials 2007

- Distribution night without noise complaints?
- 10 shops, 9 cities
- 1000 Deliveries morning and evening
- Trials 3 months
- Monitor:
 - Noise complaints
 - Local environment
 - Greenhouse impact (emission)
 - Logistic improvement
 - Costs

Trials
Albert Heijn 5 trials in 2007 Deliveries between 05:00 and 07:00
Deliveries between 19:00 and 02.00
> 1000 Deliveries, 1 complaint
Results Emission reduction 30%
Cost-savings :
Better usage of capacity
Less delays / waiting hours / km's \rightarrow ROI < 3 years

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- Replace 1000 vehicles in 2010
- PIEK implemented in 50 cities
- 1400 PIEK deliveries per week





Why international development is crucial

- Source approach
- Truck industry is international
- Level playing field
- Same rule, bigger market
- Congestion is an international problem
 → solution everyone's concern

















Contact information

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