



Pipeline Networks: a fully fledged mode of transportation

IPIC 2021



Pipelink introduction

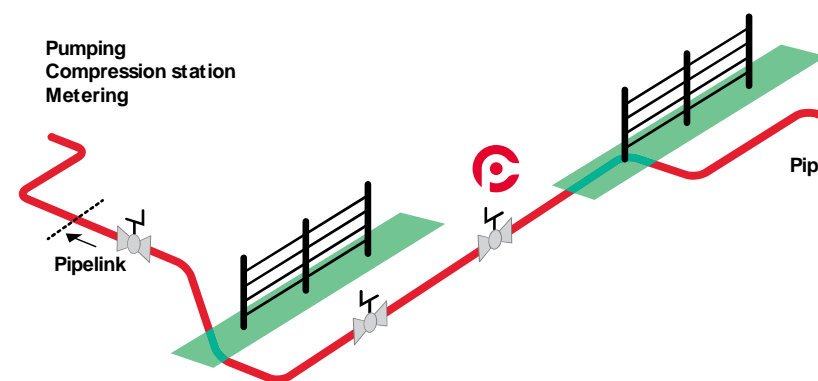
Pipelink is the asset owner and asset manager of approximately 750 km of high-pressure pipelines serving the chemical industry in Belgium.

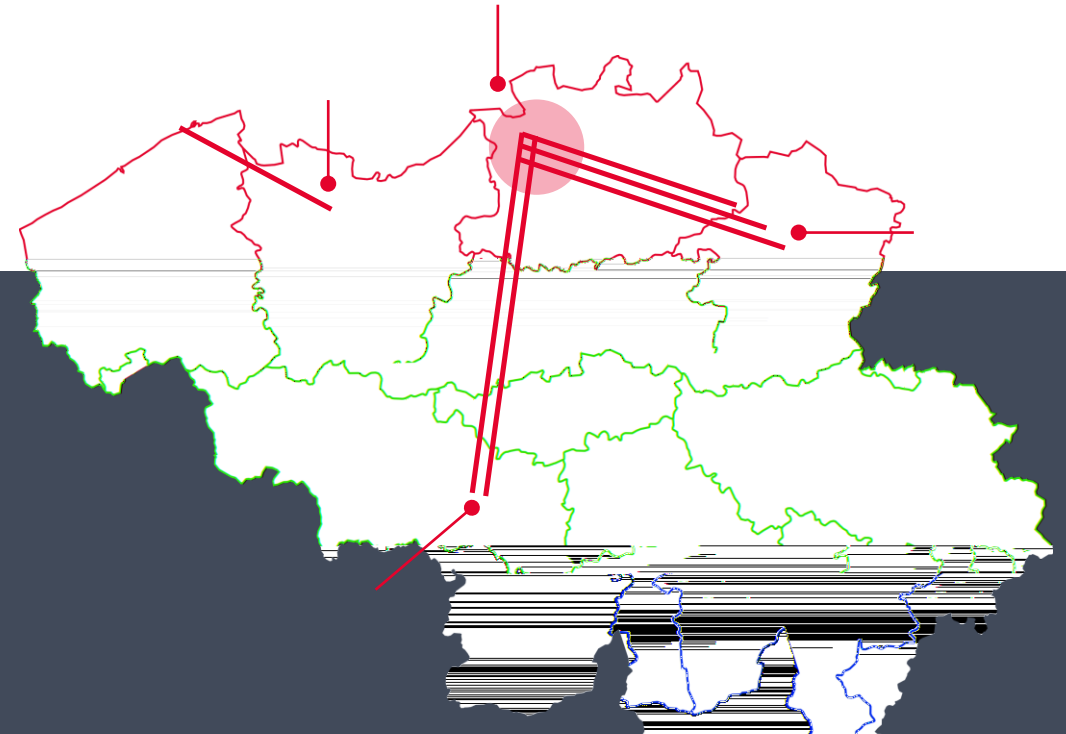




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Belgian gas law





- 735km pipelines throughout Belgium:



- Pipelines owned by Pipelink

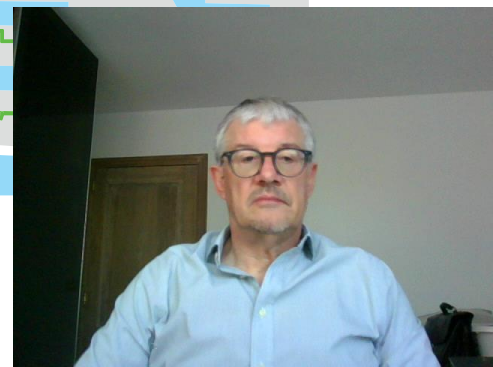
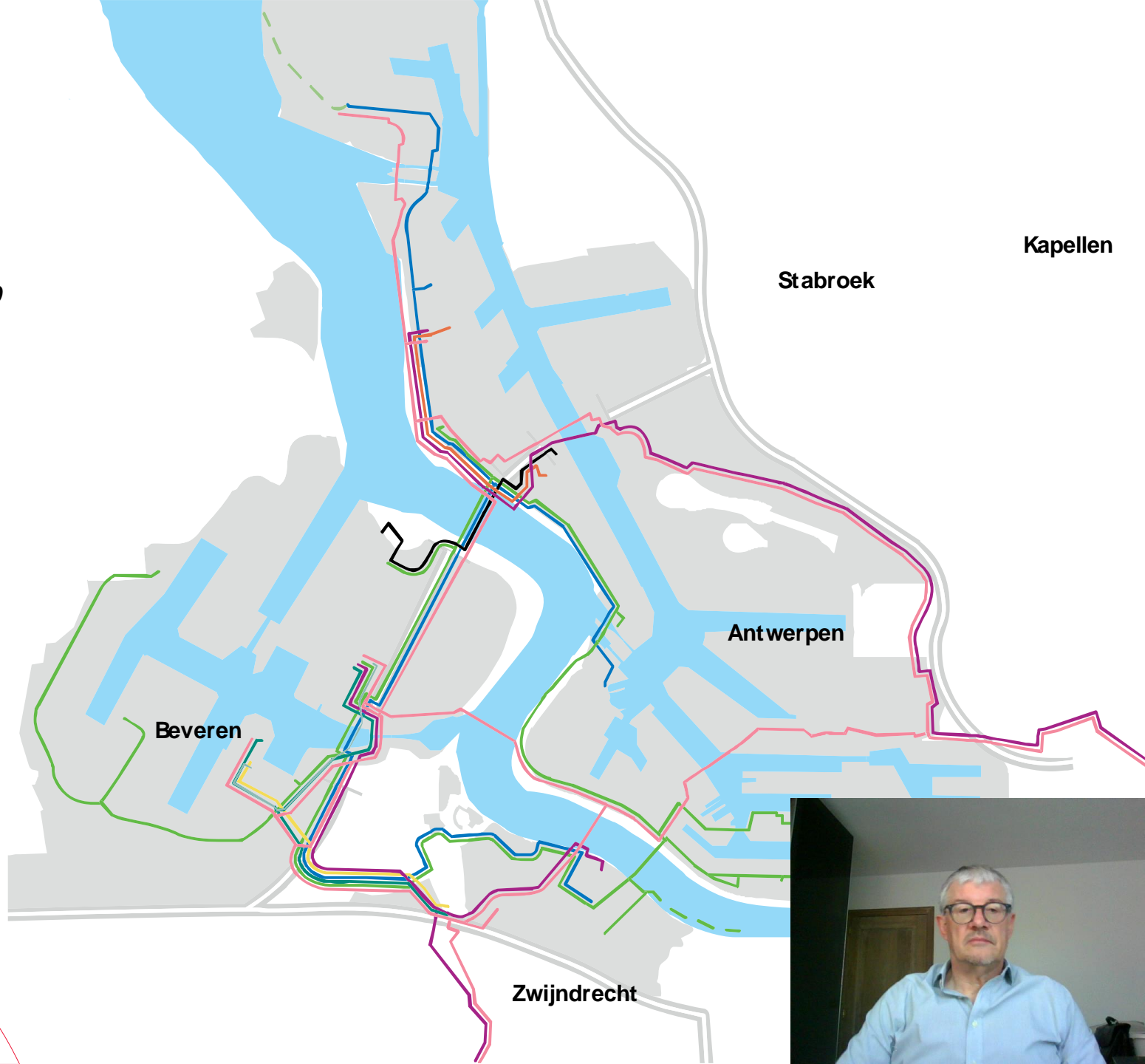


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210 km of pipelines in the Port of Antwerp



USP Pipelink: Unburdening

Asset Owner

**Total
Service Model**

Neutrality

**Operating
License**

**Asset &
Integrity
Management**

Belgian Gaslaw





Total Service Model



24/7 availability of capacity



Belgian Gaslaw



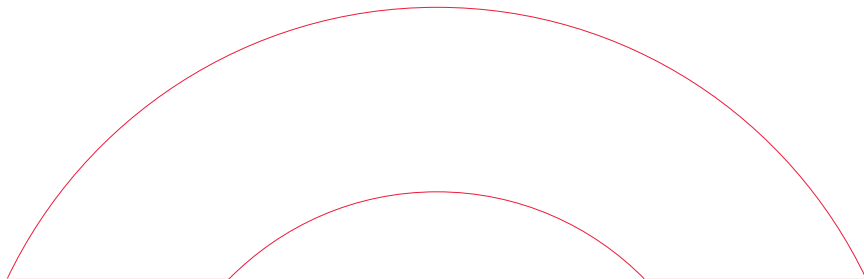
long-term contract



**independent party
third-party access**



De-risking



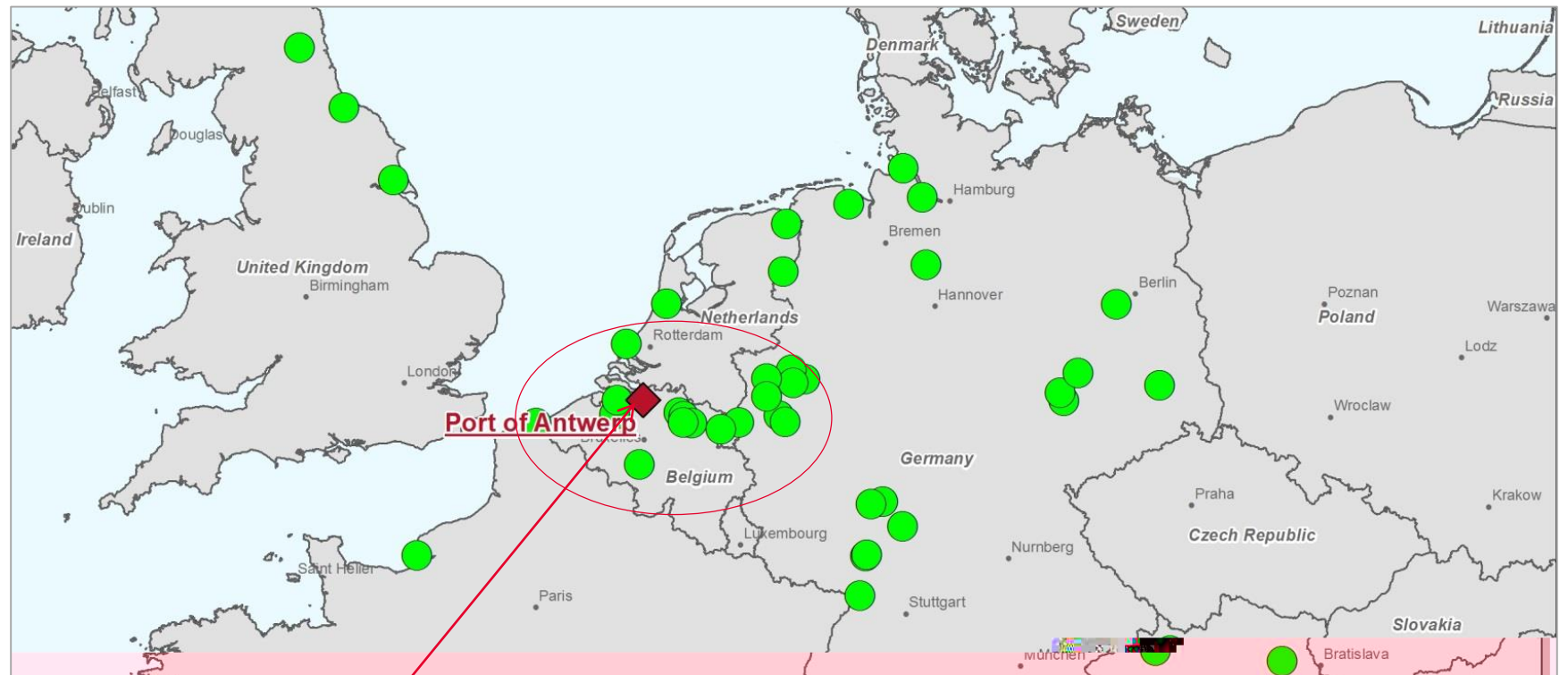
Pipeline networks

**From Point-to-Point Pipelines towards Pipeline Networks in
NW Europe**

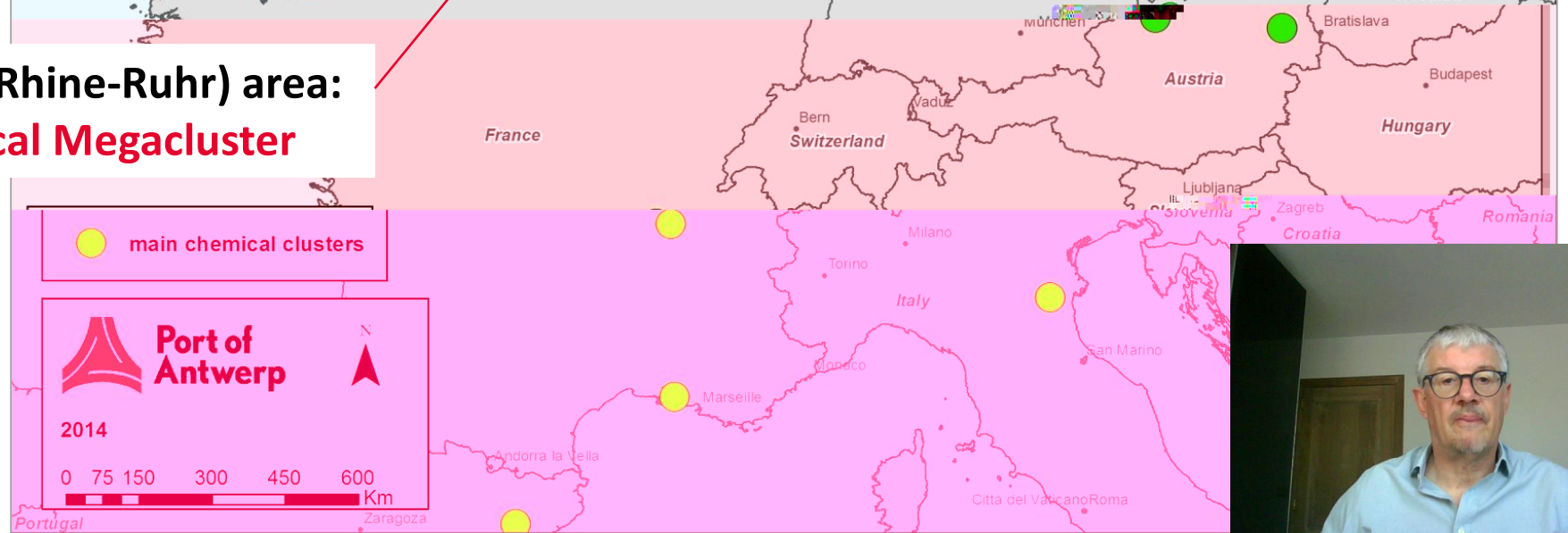


Type	Potential	Products	Remarks / opportunities
Fuels & feedstock			<ul style="list-style-type: none">
Primary petrochemicals			<ul style="list-style-type: none">
Secondary petrochemicals & industrial gasses			<ul style="list-style-type: none">





ARRR (Antwerp-Rotterdam-Rhine-Ruhr) area:
Europe's Energy & Chemical Megacenter



- Inertia & ignorance

- Modal shift

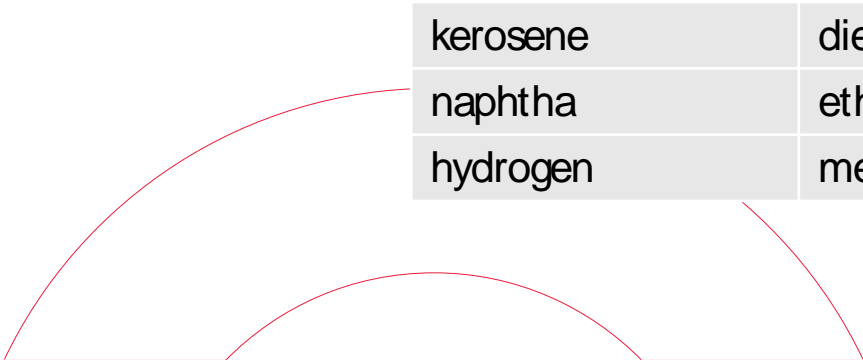
- Modal shift

- Energy Transition

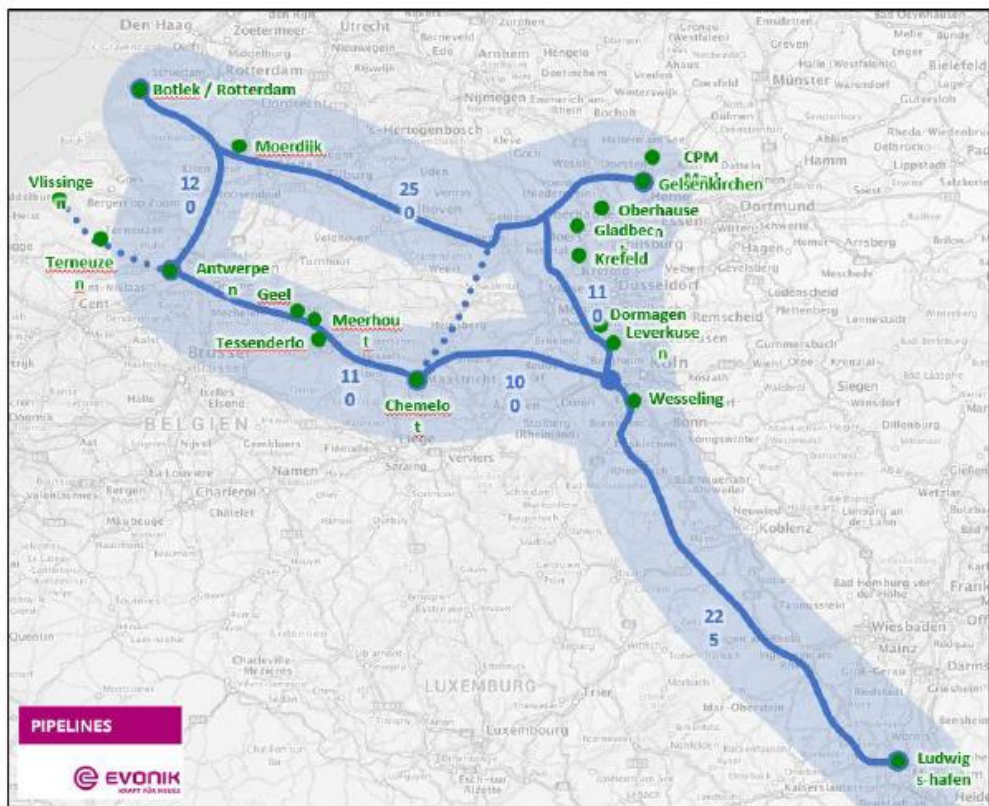
- Overcapacity

- common carriers (“backbones”)

ARRR







Route	Distance [km]
Rotterdam - Gelsenkirchen	250
Rotterdam - Antwerpen	120
Antwerpen - Geelen	110
Geelen - Köln	100
Gelsenkirchen - Köln	110
Köln - Ludwigshafen	225

Stub	Distance [km]
Antwerpen - Terneuzen	30
Terneuzen - Vlissingen	15
Marl	15
Oberhausen	15
Moers	13
Krefeld	16
Dormagen	5

- Analysis of possible routes, border crossings, distances and sites to be connected

- Economical Ratio:
10 km pipeline distance will be profitable with a demand of 100 kt/a

- Result of anonymous survey by VCI NRW

LPG:

	Amount
2025	2200 – 2450 kt/a
2030	2650 – 2900 kt/a
2040	2650 – 2900 kt/a

Other materials in order of replies received:

- Naphtha
- Propylen - Polymer Grade
- Ethylen



TRILOG trilateral chemical strategy: Netherlands, NRW, Flanders

