



Valuepark Terneuzen

Agenda

History Valuepark Terneuzen, the Netherlands

Sustainability contribution Valuepark today

Sustainability future for Valuepark

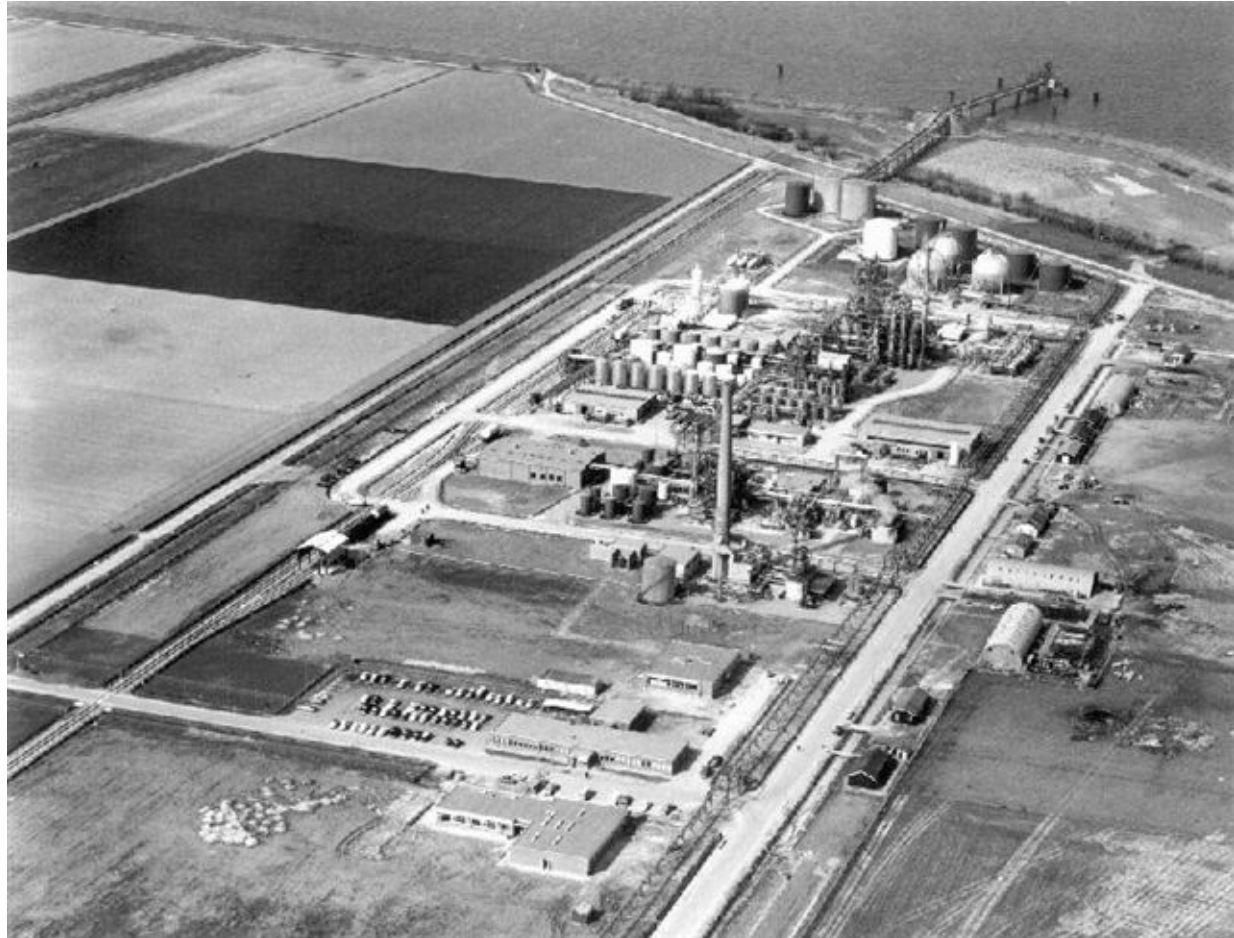


The location.....in the heart of Europe



The start of Dow.....

1965



45 years of growth ...

2008



Expansion and logistics....



ValuePark Terneuzen

the chemical hub for business success

The chemical hub Valuepark Terneuzen is a public private initiative:



50 %

+



50 %

=



Co-site partnership

Business success by co-site partnership:



BIOFUELING B.V.



Developments @ ValuePark

- ZCT, 2000
 - capacity abt. 30,000 TEU
- Katoen Natie
 - 2 warehouses 10,000 m², 3 packaging lines / paletizers
 - 160 silo's each 300 m³
- Vos Logistics
 - 32 silo's each 600 m³
 - warehouse 2000 m²
 - 2 packaging lines
 - additional lease of 8000 m² land for outside storage
- Bertschi railway terminal 2007
 - 2 x 300 mtr railtrack + crane 1st Phase



Developments @ ValuePark

- Oiltanking
 - jetty 60,000 Dwt sea going ships and barges
 - 156,000 m3 storage capacity (500 to 20,000 m3)
 - truck / rail car loading / unloading
 - pipeline connections to Dow
- SGS
 - June 2007
 - laboratory
 - independent surveyor
 - pipeline connections to Dow
 - 7 FTE's
- Biofueling
 - contract signed in February 2007
 - 200,000 MT / year
 - RTO 4 Q 2009

Service synergies:

- **Liquid terminal**
- **Granulate storage and handling**
- **Container terminal**
- **Railway terminal**
- **Deep sea port (100,000 dwt)**
- **Combined Heat & Power plant**
- **Fire water system**
- **Utilities**



Dow as your perfect neighbour

- Potential integration with Dow
 - Raw materials / products
 - Energy (power / steam / gas)
- License to operate
- R&D facilities / support
- Network of contractors and suppliers
- Emergency services



Superior Location

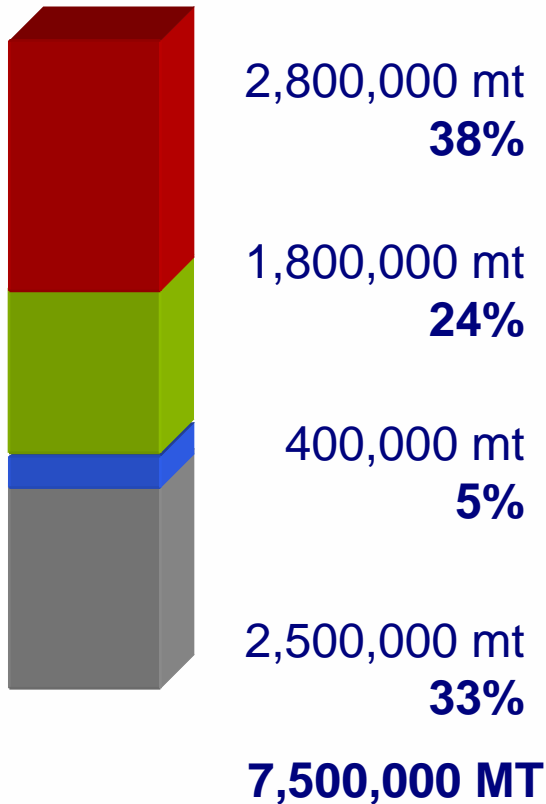


- No congestion in Port Facilities
- In the heart of North-West European industrialization
- One of the last readily available new chemical siting options in Europe
- Perfect road/rail/water connections to one of the largest consumer markets in the world. .



Dow logistic overview (2007)

Turnover



shipments

2920
2%

127,750
90%

10,585
8%



141,255
shipment



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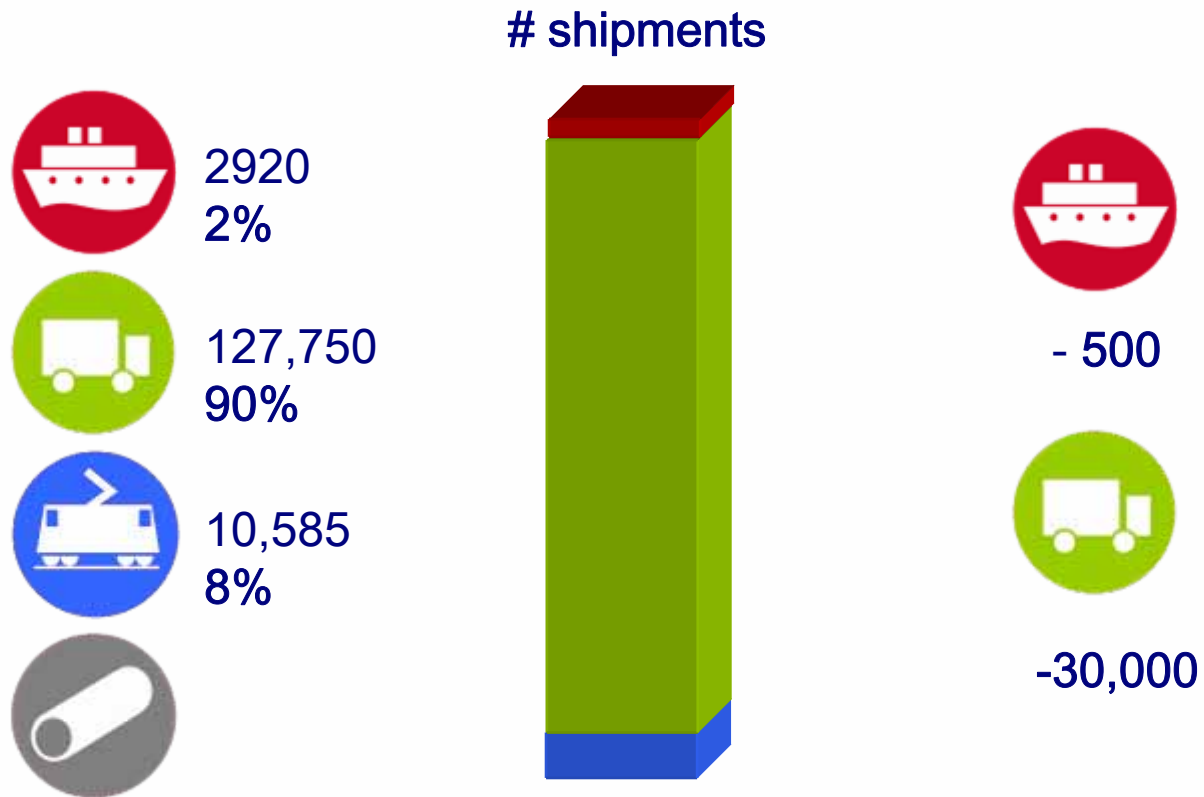
Sustainability future for Valuepark



Logistics to/from Valuepark



Impact... shipment reductions !



Road transport reduction / efficiency

Reduction of shipments	30,000 trucks
Reduction mileage	3,500,000 km
Reduction fuel	1,100,000 liter diesel
Reduction CO2 emission	2,800 ton CO2

Vessels reduction / efficiency

Reduction # terminal operations	9,100
Cleaning reductions	500
Reduction fugitive emissions by reduced cleaning	366,000 kg
Reduction CO2 emissions	3,300 ton



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Future sustainability contribution:

- Job's
- Energy efficiency
- Waste water recycling
- Optimize supply chain and efficiency
- Last plot in the area for full chemical production integration



Project Pipeline

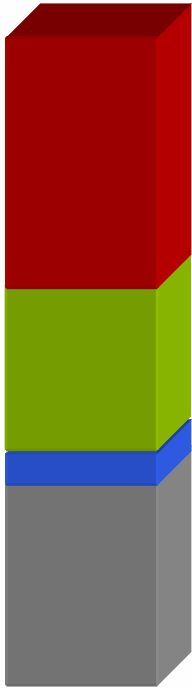
- Biofueling bv
 - € 45 MM
 - 25 direct jobs
- 2 chemical plants under negotiation
- Maintenance Valuepark
- R&D Valuepark
- Dow commitment to create 600 additional jobs by 2015 (base: 2002, 35 % realized)
- Biopark Terneuzen

Bioport Europe

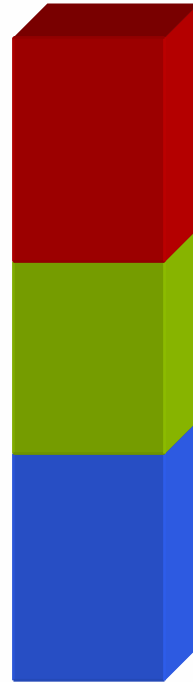
- Port of Ghent and Zeeland Seaports join forces to create Bioport Europe
 - Largest European biofuel capacity of 1.2 million ton.
 - 250 million euro's of planned bio based investments
- Valuepark Terneuzen is partner in Bioport Europe

2015 Plans

Turnover



shipments



2015

Double the turnover to 15 million ton

Significantly shift from road to water/rail/pipeline

Growth Overview





Valuepark Terneuzen

**For further references and contact
details, please visit:**

www.vpterneuzen.com