

THE GREEN LINE

Corporation for environmental friendly Inland shipping



Inland cargo shipping with
focus on the sustainable future



Patrick Le Cessie:
“We would like to
undertake business
according sustainable
standrds, Together with
customers and suppliers,
is our goal.”

The Green Line

The Green Line is an initiative of Gebr. De Korte LTD. and the three inland shipping entrepreneurs Piton V.O.F., shipping venture, Anda V.O.F and V.O.F Korte-van der Wijk.

This initiative started in 2011, as a result of the shared vision which the ventures have with respect to the future of durable mobility.

The companies have deeply anchored their roots in the inland shipping sector and see here a solution for the increasing question to environment-friendly transport.

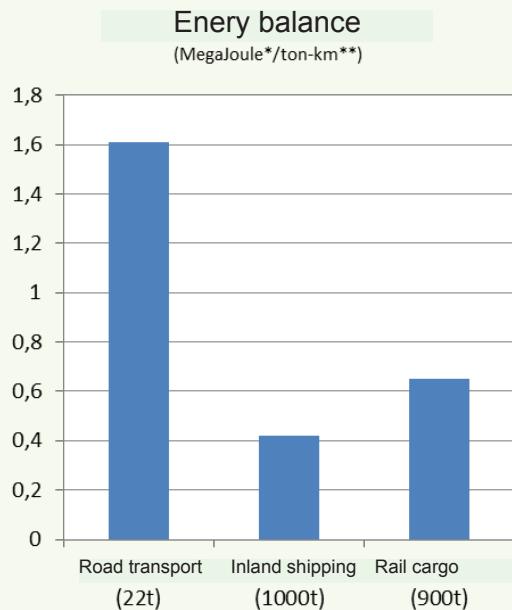
Aims of The Green Line:

- Cooperate with customers, suppliers and other organisations which in MVO try the future thereby long-term transportation contract arrives for a honest price where customer and Captain/owner can undertake both in a socially justified and substainable manner.
- Ongoing in search concern to innovation, developments of new techniques and the striving towards always more durably and environmentel-friendly transport over waterways.
- We show that the inland shipping is already durable but especially can be more durable still.
- An image to give to the most durable and environment-friendly manner of transport.

By the cooperation bond, our (future) partners can be insured that the coming years their goods are transported by the cleanest and most environment-friendly ships.

Why transport on waterways?

Topics as a climate change and sustainability stands present at political and businesses agenda high on . Environment aspects play an always larger role in our society, this also in the transport and logistical segments.



The inland shipping is a by nature clean modality. Everyone is convinced about that. Only already considering an average ship can take 3000 metric tons cargo in one time, or 120 loaded trucks, makes it logical that the inland shipping is an environment-friendly choice.

Energy usage or fuel consumption(Carbon Footprint) is the first and most important indicator in the search to the lowest the transport modality with has the less environmental impact.

In the field of energy usage the inland shipping by far the most economical modality is. By barrel kilometre the energy usage of the inland shipping lies on average even to 3.5 time lower than at the road transport.

A low energy usage has two important advantages: less emission of CO₂ (and so less fuel consumption) and lower exhaust gas emissions as well.

* Megajoule: Joule is the entity of energy

** Ton-km: barrel kilometre is a combined entity for the transported weight concerning the transported distance

Why The Green Line

The Green Line is the most durable manner of transportation mobility, concerning water. This achievement is possible because application of the newest technologies on board of our ships. These technologies ensure a reduction of the emissies which arise at the combustion of gasoline.



Planet

The Ships sailing under The Green Line label are equipped with Full Flow Sootfilters and a SCR NOx reduction catalysts. They reduce 97% of the soot/ fine dust and NOx is reduced by more than 90%. Both in comparison with standard motorised (CCR II) inland ships. These systems perform so well that the new regulations for 2016 are complied. This new emission regulation is comparable with Euro 6 for Trucks.

All ships are also equipped with GPS and AIS systems for track and tracing, also fuel consumption is monitored and sailing advice is given for the smallest CO2 footprint while sailing. The crews are trained to work on the best way with all the equipment. The challenge is to reduce constantly the CO2 footprint with 20% against the standards in the market.

The following ships are sailing under The Green Line label:

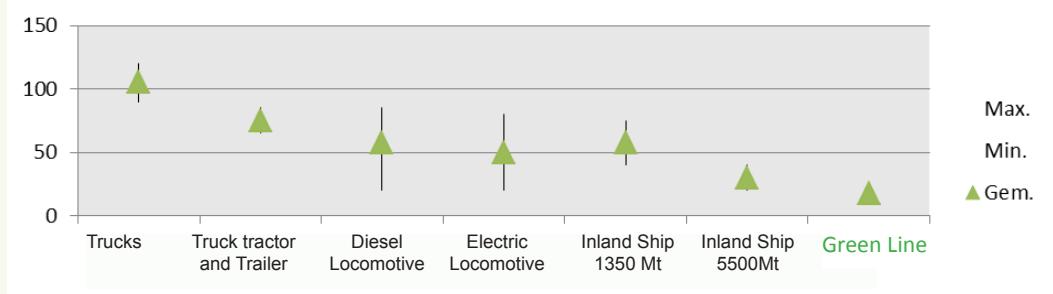
Name:	ms Anda	ms Onderneming	ms Onderneming IV
Length (m):	135	135	135
Width (m):	11,45	11,45	11,45
Draft (m):	3,59	3,67	3,76
Installed Power (Hp):	2x1200	2x1380	2x1414
Sailing speed (km):	20,5	21	21
Load cap. (Mtons):	3878	3972	4175
(TEU cap.):	264 	256 	252 
Truck cap.:	132 x	128 x	126 x
Certificates:	Green Award GMP+ NIWO Lean and Green	Green Award GMP+ NIWO VOL-VCA	Green Award GMP+ NIWO VOL-VCA



There are several types emissies which all are detrimental for the environment.
 Below in the tables its these different emissies for the different transport modalities to see.

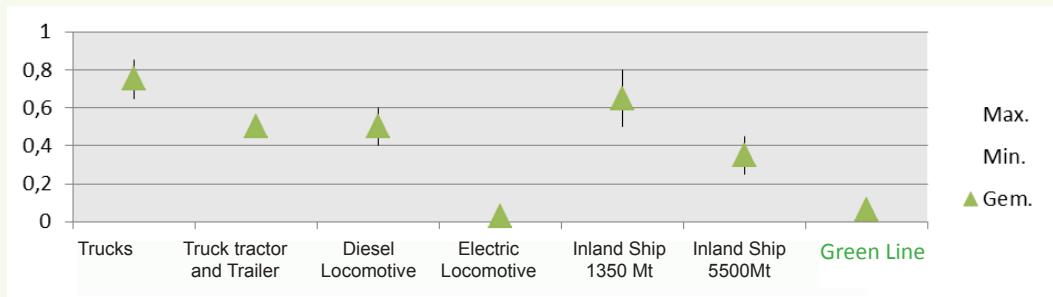
CO2-Emission goods transport at long distances (+150 km) (entity g/ton-km)

CO2 Emission(carbon dioxide) is the most important greenhouse gas. The capacity of the modality has an important influence on the emission.



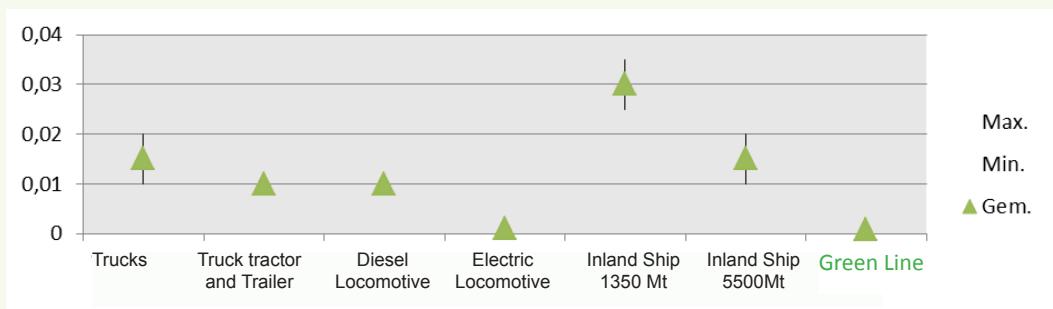
NOx-Emission goods movement at long distances (+150 km) (entity g/ton-km))

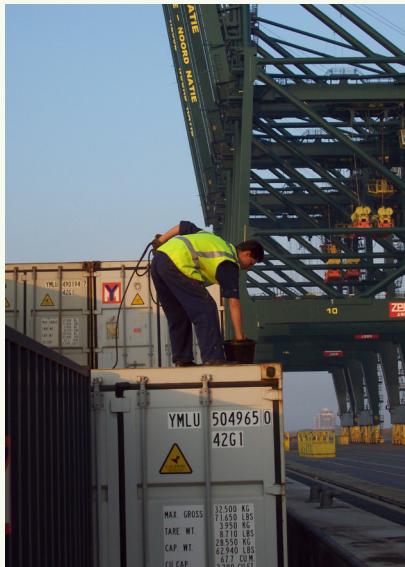
contribute NOx (stikstofoxide) among other things to acid rain and smog.



PM10-uitstoot goods movement at long distances (+150 km) (entity g/ton-km)

PM10 has been confessed better as fine dust.





People

The Green Line exist by the passion, commitment and drive of its employees who believe in a durable future. Several organisations which each other reinforce to do where in as a manner durable as possible they are well in: to transport.

A good assessment between work and private, honest salary, durable dienstverband, possibilities for development/training and a good pension scheme makes it that the employees is motivated and concerned Line feel themselves at The Green.

Security is something what stands high in the standard, certainly to border of the ships.

From the employer everything is put available to be able work in a safe manner and this way meet all ships and workplaces of the required skills or tasks. We work safe or we do not work at all!

Johan de Korte:

“Transport concerning water stands at us for: security, sustainability and your own can distinguish presatie in the field of environments.”



Jacob Verdonk:
“The new kids on the block has the future. So training and education is crucial for the whole inland waterway transport business”.

Profit

Socially justified undertake translates itself in involvement of the venture at the society. They give financial support to Green Line to divergent social projects in the Netherlands.

Each year frees the organisation a budget to donate to social aims. These aims are stipulated per year and in consultation between the staff decided.

The offer an everyone equal chance to Green Line. Some examples from the past are Wajongers which in association with UWV re integratietraject have been offered. Also training period places are regularly offered training related to schoolboys and students with a work.

**If you are looking for sustainable and environmental friendly transport!
Your Choice is The Green Line.**



Source: Bureau Voorlichting Binnenvaart
CBS, Leham
Stream 2008, CE Delft

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