



Lead-Investor in Bioenergi Tønder

verbio

VERBIO Vereinigte BioEnergie AG

Det Energipolitiske Udvalg

Christiansborg, 30 April 2009

VERBIO produces biofuel.

Made in (Denmark)Germany.

From (Danish) German raw materials.

(ca. 1 Mio. tons rapeseed, ca. 750.000 tons grain)

With a staff of 400.

700 in the whole group.

3.500 employees in the
agriculture.

Sales: 666,6 Mio. EUR.

**It is intended to create 50-55 new
direct jobs and 200 indirect jobs!**



VERBIO production capacity 2009:



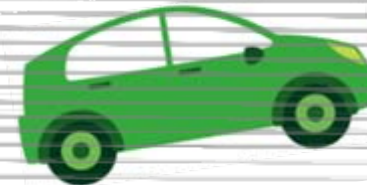
450,000 tons
of biodiesel

Serves the fuel demand of 9,000 trucks
for 1 year




300,000 tons of
bioethanol

Serves the fuel demand of 120,000 cars
for 1 year



1,000,000 MWh*
biomethane

Supplies energy for 750,000 families
for 1 year


No mesh access

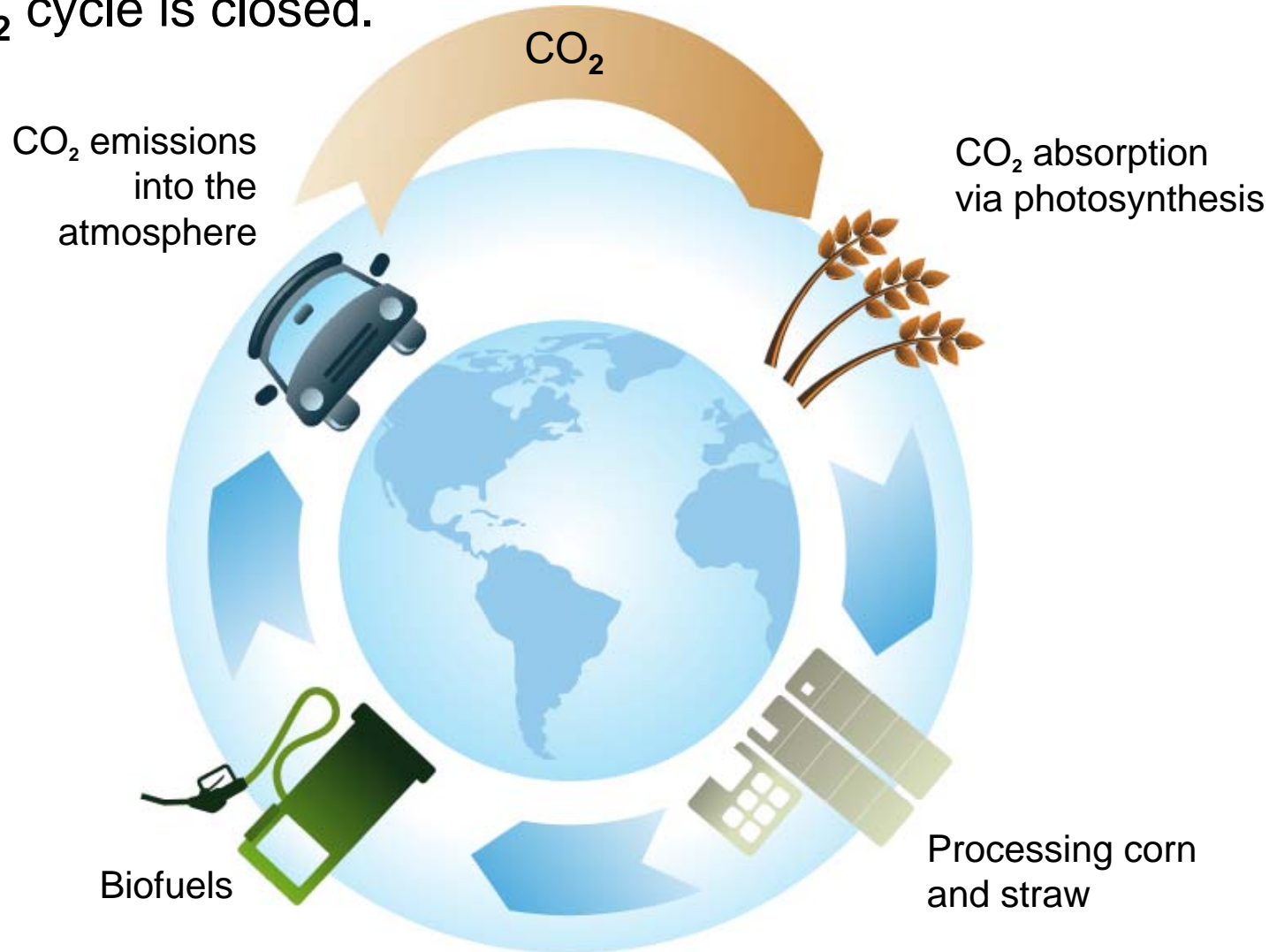
Bioenergy Tønder will sell biofuels to the Danish, Nordic and North German Market.

* verbio biomethane from 2009/2010

verbio biodiesel = consumption: 30 liter/100 km, mileage: 150.000 p. a., verbio bioethanol = consumption: 10 Liter/100 km, mileage: 15.000 km p. a.

Biofuels show up a lack of CO₂-efficiency?

Our CO₂ cycle is closed.



EU-Directive RES-D and Law on Biofuels

1. Security of supply
2. Sustainability
3. Highest possible CO₂-efficiency
4. Usage of non-food material for biofuels
5. Cost efficiency



1. VERBIO-conception of biofuel production...



The same vision is for/has Bioenergi Tønder....

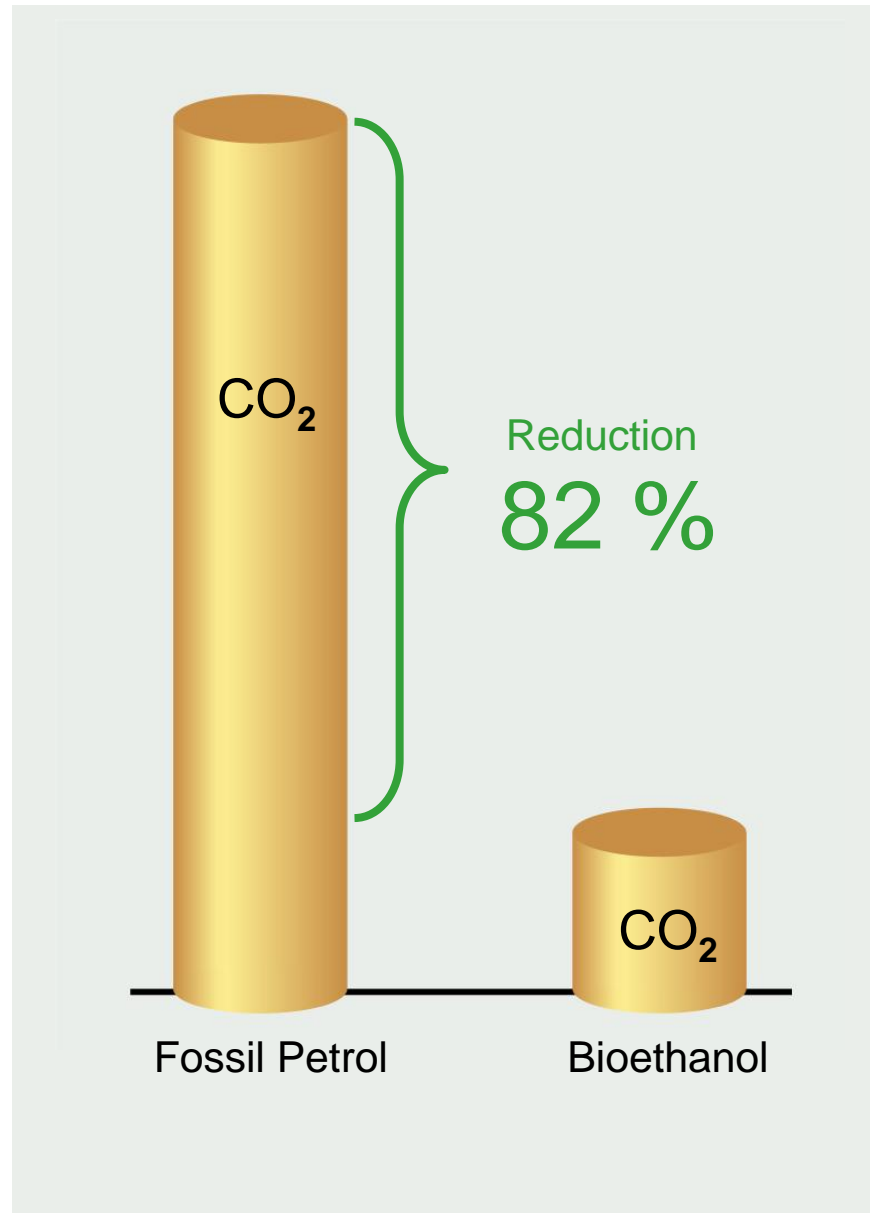
... with max. CO₂ reduction

When producing verbio bioethanol and verbio biogas, VERBIO emits more than **80%** less CO₂ compared with the use of fossil fuels.

This is documented by a result of an independent study from the IFEU- institute (Institut für Energie- und Umweltforschung Heidelberg GmbH).

The study shows that VERBIO holds a CO₂ reduction of more than **80%** over the whole value-added chain, beginning with manufacturing biomass until delivery to the refinery.

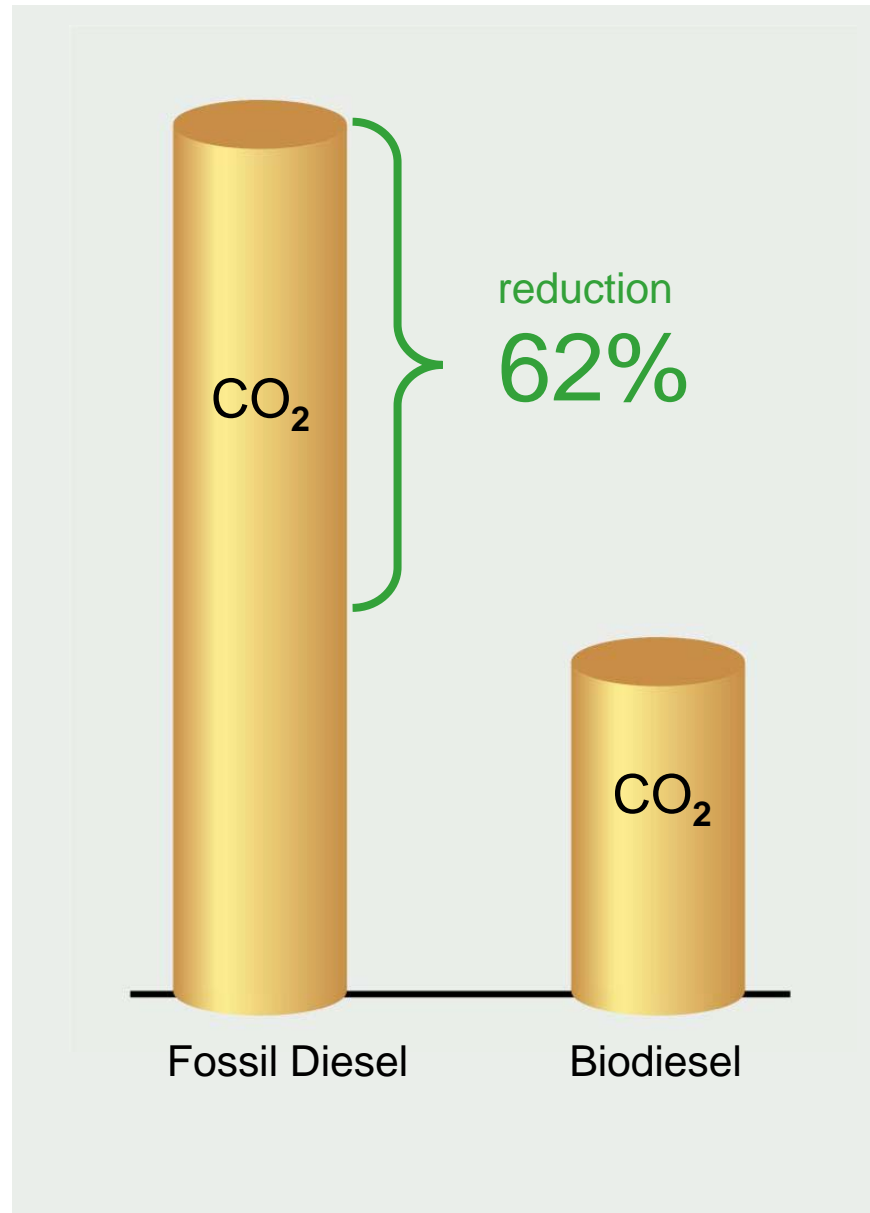
All reviewed procedures clearly provide more CO₂-reduction than in the Biomass Sustainability Ordinance (Biomasse-Nachhaltigkeitsverordnung) defined limit of 30 percent.



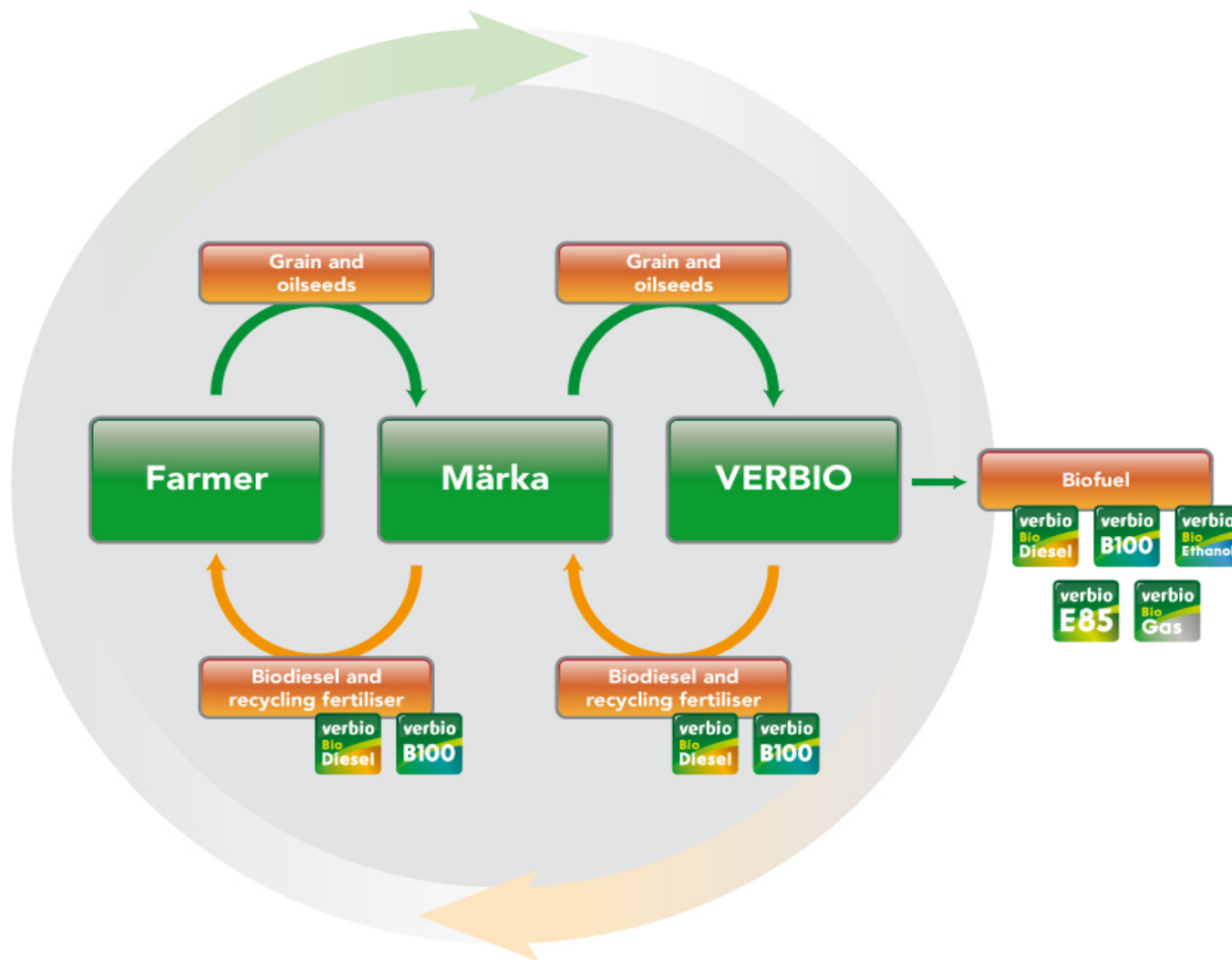
CO₂ reduction

When producing verbio biodiesel, VERBIO emits **62%** less CO₂ compared with the use of fossil diesel.

This is derived from our own calculations, which are based on the models of the German Biomass Sustainability Ordinance (BioNachV).



VERBIO relies on a strong supply chain



Who is Märka?

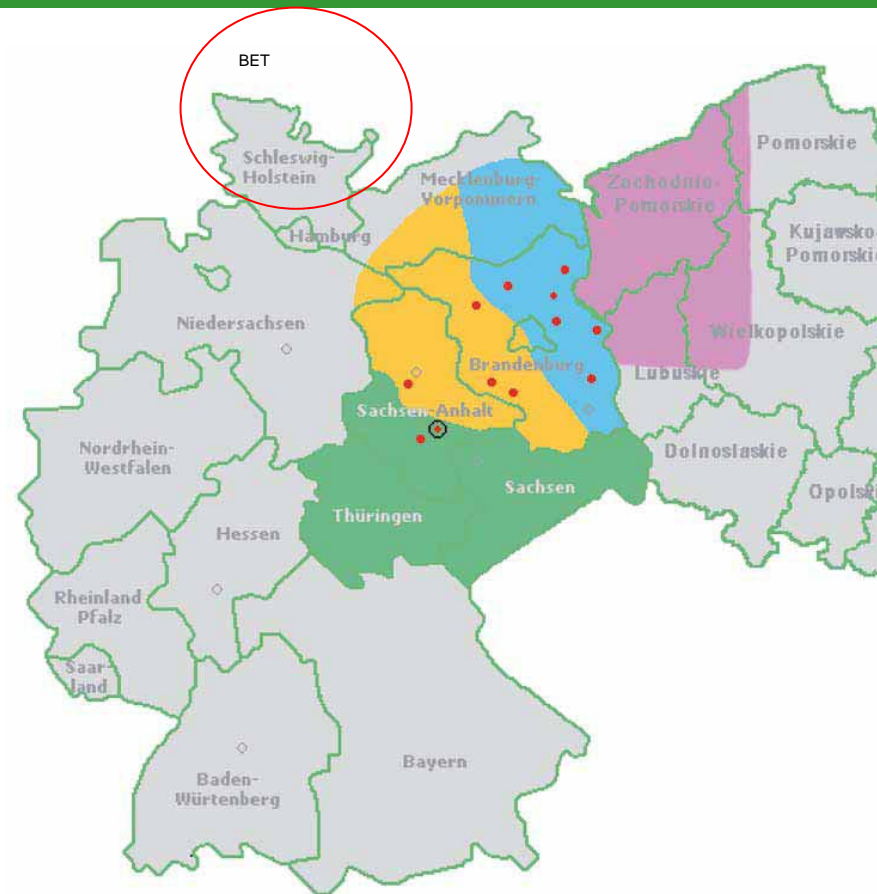
Business location Zörbig (Saxony-Anhalt)

2006: Foundation of Märka GmbH Zörbig
(former Märkische Krafftutter GmbH
Eberswalde/Brandenburg)

Original core operation on intervention-stock
keeping

Today Märka is one of the most important
suppliers of the German biofuel industry

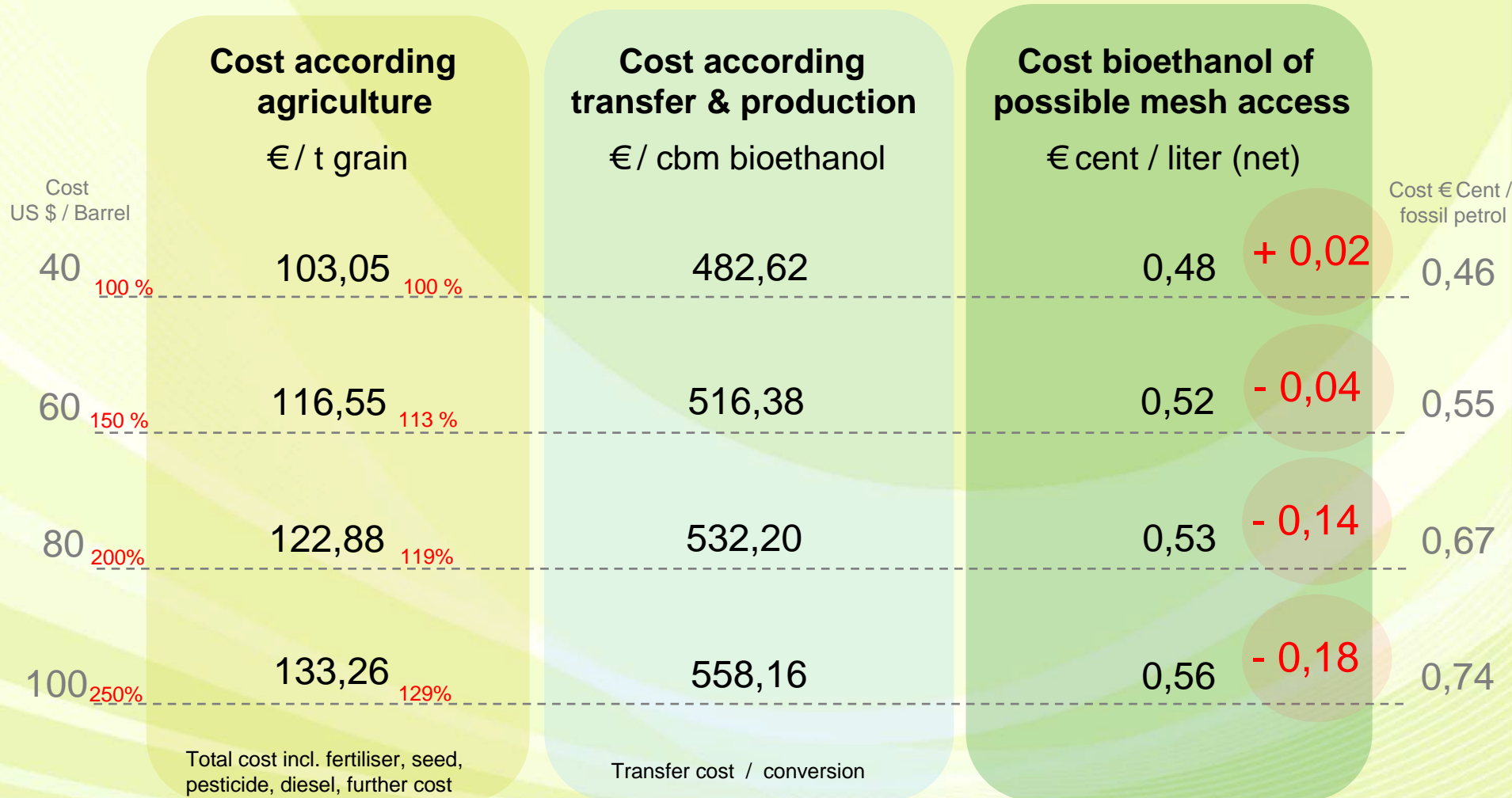
Märka is well prepared with
1,000,000 tons of stock capacity



Earnings in 2007 rd. 350 Mio. €

Utilities:	75 Mio. €
Oilseed:	115 Mio. €
Grain :	160 Mio. €
Work force:	178

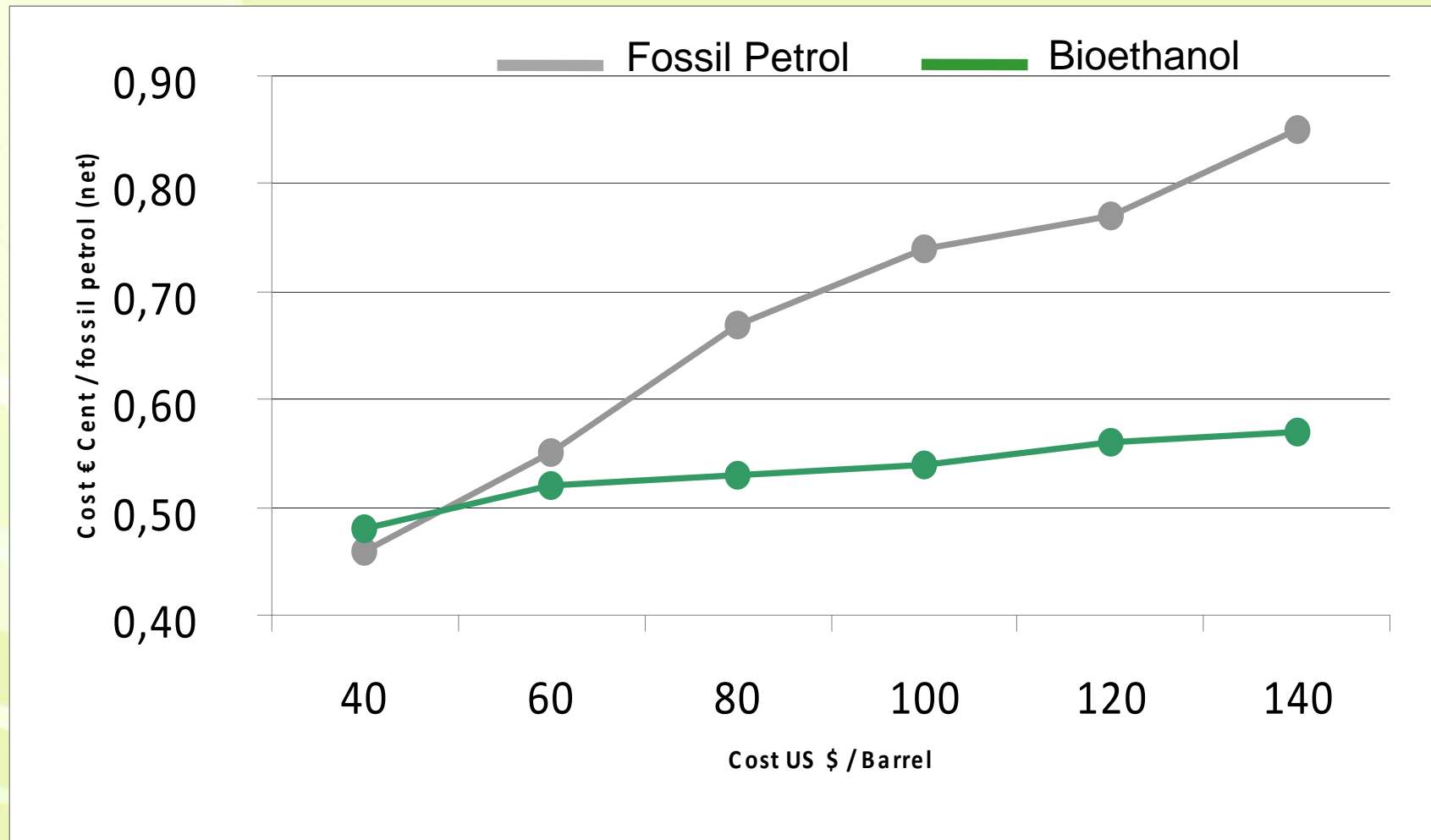
5. Cost efficiency in biofuel production through a steady system



Biofuels contribute to price stability, security of supply and independency of imports.

5. Cost efficiency in biofuel production through a steady system

Increasing spread between fossil petrol and bioethanol



- *Security of supply*
- *CO₂-efficiency*
- *Planning reliability*

Result:

We need:

1. A minimum rate of inclusion 5,75% Biofuels in the Danish Law (Law on Biofuels L 181).
2. A stepwise increase in the inclusion of biofuels to the 10% by 2020
3. Political stability for a minimum of 10 years - investment horizon

We offer:

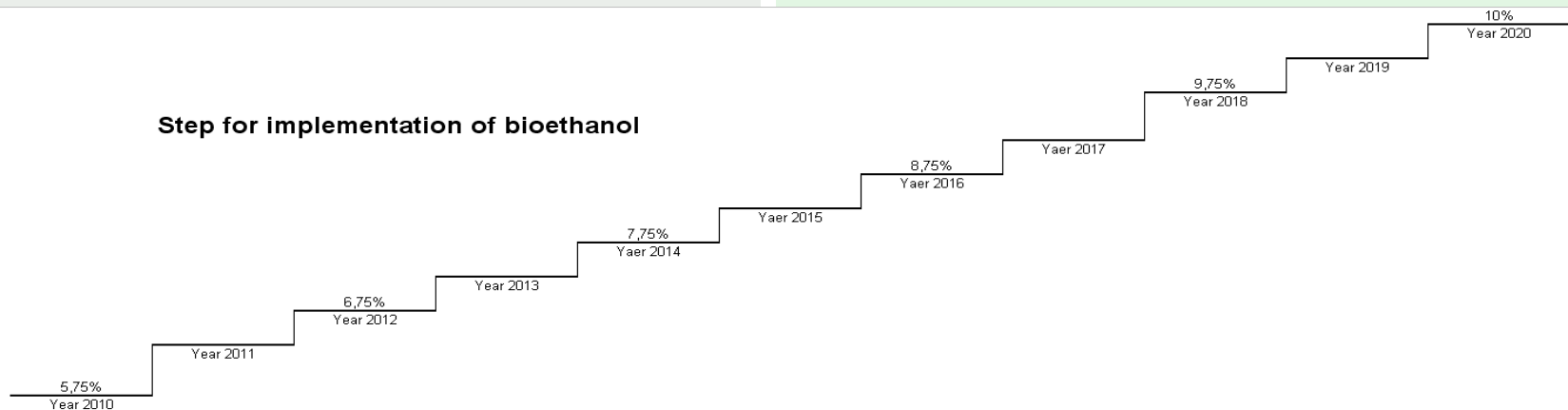
Security of supply (local)

High CO₂-efficiency

Sustainable biofuels

Cooperation with local agriculture

Cost efficiency





VERBIO is the key to the sustainable energy supply of the future

and

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