## INTRODUCTION



Largest Independent player in the

# Western European

Oil and Gas markets

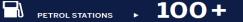
- ✓ Transformation from oil and gas to an all-round energy provider
- ✓ Well-balanced range of energy related products and services
- ✓ Focus on Best-in-Class Biofuels and Renewable Energy
- ✓ Securing position in mineral fuels as in Biofuels
- ✓ The Argos brand is to become a household name in Europe













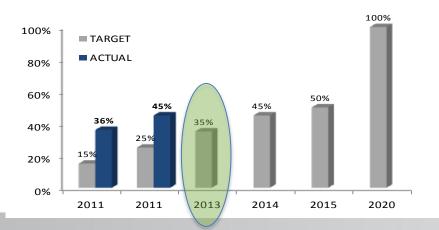




## **FRONT RUNNER**



- ✓ GHG emission reduction > 70%
- ✓ Feedstock selection
  - ✓ Waste
  - ✓ Residues and by-products
  - ✓ Non-food
  - ✓ Cellulosic







✓ Market leader in Renewable jet fuel



- ✓ 1st to be Bonsucro certified in the EU
- ✓ 1<sup>st</sup> to Import Bonsucro
  ethanol into the FU



- ✓ 1st to supply E85
- ✓ 1<sup>st</sup> to blend Fame

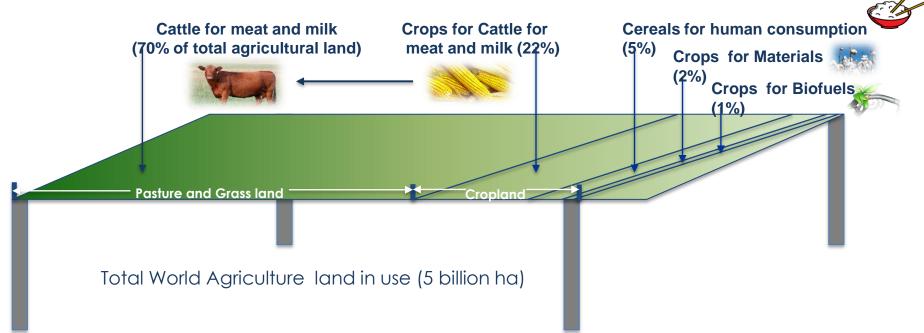




#### **FOCUS ON SUSTAINABILITY**

# The agriculture table





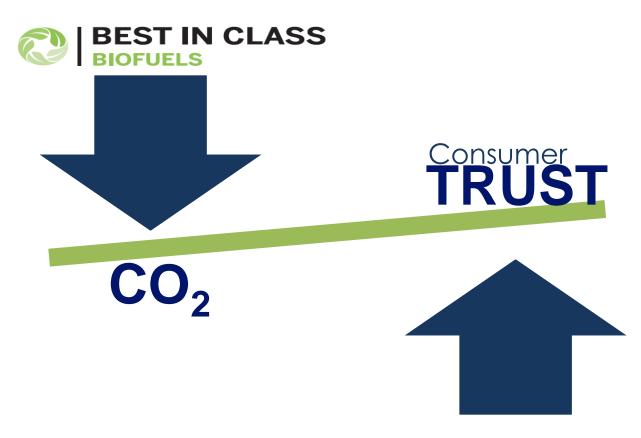
## THE REAL CHALLENGE:

find smart, low land using solutions for an **optimized and integrated** production for food, feed, fiber and fuels?

Source: Argos based on figures in [Shell Deutschland Oil – Biofuels: what role in the future energy mix?, 2012]

# **FOCUS ON SUSTAINABILITY**



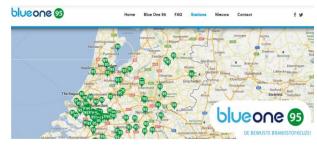


#### **FOCUS ON INNOVATION**



# blueone 9

- √ 15% hydrous ethanol (3.8-7.4% water)
- ✓ Cleaner and Cheaper (than EUR 95)
  - ✓ Extra costs dehydration: 10-30% of total investment in Ethanol plants
  - ✓ Dehydration cost 14-45% of the energy to produce ethanol
- ✓ Prevents corrosion
- √ Lower carbon footprint
- ✓ Suitable for gasoline motors > 2001 (EPA)
- ✓ According to Dutch Standard NTA 8115



www.blueone95.nl (Dutch)

# **NEW OPPORTUNITIES FOR BRAZILIAN ETHANOL PRODUCERS**

- √ Argos creating demand for gasoline with 15% hydrous ethanol (E15)
- ✓ Diversification opportunity for Brazilian producer
- ✓ Can lead to the growth of exports of hydrous ethanol from Brazil
- ✓ For the EU: Hydrous ethanol needs to be certified sustainable
- ✓ Brazilian ethanol: Bonsucro certified sustainable
- ✓ Global strategy: start with NL then other countries
- ✓ Argos has the technology, the market and looks for suppliers.
- ✓ Brazil a great potential supplier of hydrous ethanol

#### CONCLUSION



- √ Argos: unique position in the western Europe oil & gas markets
- ✓ Focus on Best-in-class Biofuels and Renewable Fuels
- ✓ Focus on Sustainability: raising consumer's trust
- ✓ Focus on innovative solutions: Blue One 95
- ✓ Focus on Brazilian hydrous ethanol market as potential major supplier