



PIB Biobased Energy Ukraine  
leading Dutch technologies for integrated solutions

# **Dutch – Ukraine cooperation in sustainable use of biomass and biofuels – Dutch technologies**

Біомаса від сільського і лісового господарства,  
як джерело для місцевих енергоефективних рішень –  
голландські технології

Hans van Klink – International coordinator PIB

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## Biomass from Agriculture and Forestry (1) ?



Briquette of pressed reed



Harvested chopped reed

## Biomass from Agriculture and Forestry (2) ?



Organic wastes  
from greenhouses and restaurants



Grass as a source  
for valuable materials

## Biomass from Agriculture and Forestry (3) ?



Sugar beet  
as the perfect source for valuable  
materials and chemicals



Wood wastes for  
local energy production

# Partners for International Business Biobased Energy Ukraine

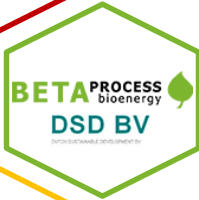
## Public-Private Partnership for the Dutch Biobased Energy Sector

The participants of the partnership are **leading companies** regarding different aspects of the biobased production chain and renowned **knowledge institutions** and are supported by **the Dutch Government**

The partnership invests, designs, supplies and advises for biobased energy projects in Ukraine



: Biomass boilers (high efficiency), conform EU standards



: Technology to produce valuable green materials from sugar beets



: Pyrolysis technology for production of bio-oil (biofuel)



: Biomass digesting, biogas upgrading, biomass combustion



:



: Joint Research projects (EU funding)



: Business training

## PIB partners from the Netherlands

- **Practical, knowledge and scientific experience**
- **Long year experience in business with Ukraine**
- **Investments projects**
- **R & D projects /cooperation**
- **Different approaches: project related, equipment and installations, cooperation, direct delivery, etc.**



## **PIB partners are looking for**

- **Cooperation with UA partners in international tenders**
- **Manufacturing of equipment in Ukraine**
- **Investments projects in (bio)energy sector / biorefineries**
- **R & D projects /cooperation with universities (EU funding)**
- **Sales representatives in Ukraine**
- **Etc.**



## PIB Contacts in Ukraine



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**Велике дякую!**

**THANK YOU VERY MUCH !**