

**“GLOBINO >50+ MW (up to 300 MW)  
Wind Power Plant”,  
Globino, Poltava oblast**



**Innovation and investment project,  
Globino district, Poltava oblast**

# **“GLobino >50+ MW Wind Power Plant”**

## **Project customer and participants**

- **”Globinoraipromenergo” (local energy utility)**
- **Intersecoral R&D Centre for Wind Power, Ukr NASc**
- **Globino, Poltava Oblast State Administration**

# **“GLobino >50+ MW Wind Power Plant”**

## **Present situation**

- Performed «Wind Energy Potential Assessment and Possible Installation of Wind Generators for Globino WPP Construction Economic Appraisal”**
- Pre-feasibility study has been performed**
- Planned to encourage “Siemens” and “Future Energy” (Germany) for the project implementation**

# **“GLobino >50 MW+ Wind Power Plant”**

## **Project Description**

- Construction wind turbines for total 300+ MW capacity**
- Full capacity installation period – 3 years**
- Rated wind turbine power – 2,5 MW**
- Planned power generation – 7,8 GWh/y (full capacity)**

# “GLOBINO >50+ MW Wind Power Plant”

## Project economy

- Required investments- 60 mil EURO (in three phases)
- IRR – 41%
- PB – 5,5 years



# “GLobino >50 MW+ Wind Power Plant”

**Potential for CO<sub>2</sub> emission reduction for 50 MW capacity**

<b>k.t.CO2</b>	<b>k.t.CO2</b>	<b>k.t.CO2</b>
<b>1-st phase</b>	<b>2-d phase</b>	<b>3-phase</b>
<b>100</b>	<b>200</b>	<b>300</b>

➤ **Plans for the JI-project development and implementation are made so far**

## **Risk Factors**

- **Less power generation than anticipated**
- **Could be mitigated by new "green tariff" and higher rated power of the wind mill (*tower hight*)**

## **Project plan**

- **3-phase 50 MW wind farm erection, equal parts, 3 years for the whole project**

# “GLOBINO 50 MW Wind Power Plant”

Project advantages:

Proven available technology

Land plot available/selected

Available effective green tariff for wind  
power 127,11 COP/11,5 ER C per 1 kWh

Ref to April 2011 NERC “green tariffs”

[http://www.nerc.gov.ua/control/uk/publish/article/main?art\\_id=109254&cat\\_id=34446](http://www.nerc.gov.ua/control/uk/publish/article/main?art_id=109254&cat_id=34446)



# Project Contacts

Technical project representative:

“CETUS” Ltd

Mr. Yuri Favorsky

E-mail favor\_wind@yahoo.com

Project customer

Globino “Raipromenergo”

Mr. Klimenko Vasily F.

Tel: 050 3050243,

E-mail: energo.ua @ e-meil.ua

Project design documentation developer

IRE NASc Ukraine

Jl project developer

CT Centre

Mr. Shevchenko Sergey

Tel +38 050 254 04 18

E-mail: ssh@ctc-ua.org