

**“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 CO₂ emission reduction for 50 MW capacity

k.t.CO2	k.t.CO2	k.t.CO2
1-st phase	2-d phase	3-phase
100	200	300

➤ **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

Project Contacts

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