

Competitive PV production in Vilnius, Lithuania

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CEO of BOD Group 24th of June, 2014

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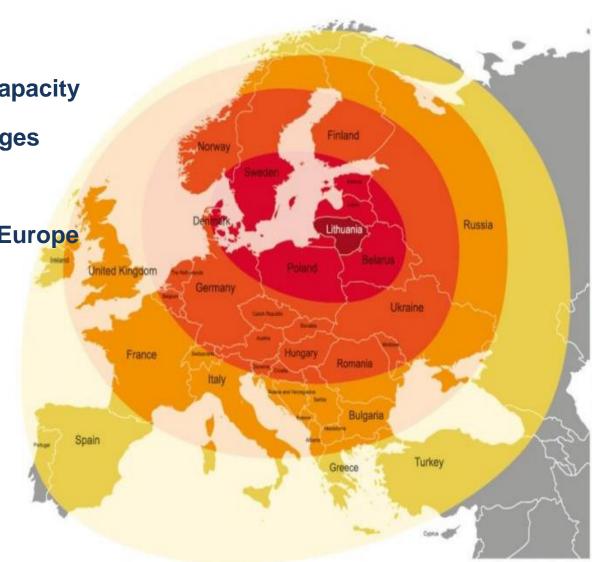
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BOD Group fact sheet

- The first optical disc manufacturer in Baltic States and one of the first manufacturers in Eastern Europe.
- 16 years of manufacturing experience.
- Partners –SINGULUS TECHNOLOGIES, BAYER, VIASOLIS, SOLSOL, Visoriai informational, technology park, etc.
- Established in 1998, today BOD Group includes:



















BOD Group strategy

Business directions:

- 1. Optical discs manufacturing
- 2. Solar cells and modules manufacturing
- 3. Ophthalmological business





Vertical integration from cells manufacturing till the end-customer



Technologically advanced production (PERC Technology)



Trustworthy partners like Singulus Technologies



Highly-skilled technical employees



Customised solutions for end-customers

PV production and capacity

- PV cells 70 MW / year
- PV modules 50 MW / year



Products

PV cells



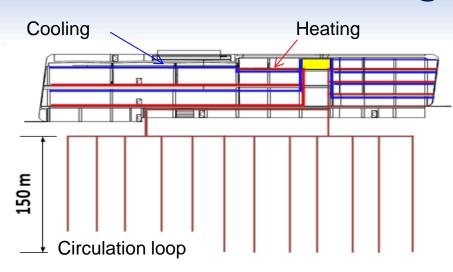
Glass/Glass modules



BIPV solutions



L.I.G.H.T. WING building – 30 250 m²



Geothermal equipment cooling by HVAC (Heating, Ventilation and Air Conditioning) system.

System maintains a proper equipment temperature, also heats and cools the building.

Geotermal heating/cooling solution allows maximum manufacturing costs savings.

Patented heating/cooling system created by BOD Group and partners' engineers.

Geotherm heating	Central heating
2.6 Euro cent/kWh	7.8 Euro cent/kWh

Geothermal cooling	Regular cooling system
2.02 Euro cent/kWh	3.48 Euro
	cent/kWh



40% of building exploatation costs are saved.

Competitive advantages

Financing

Total value of building and infrastructure - €44 M (€17 M financed by EU funds)

Technological advantage

 PERC technology in cells manufacturing – allows higher efficiency and better price/quality ratio

Costs saving

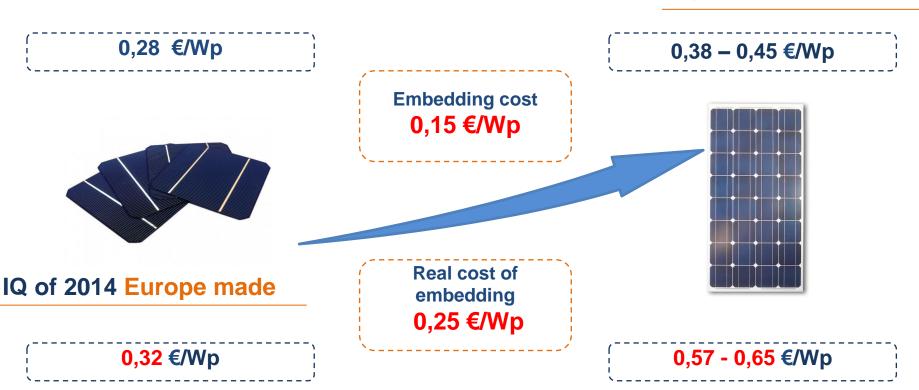
40% saved energy due to geothermal energy

Customised production

Asian suppliers meet difficulties to match customised requirements

PV modules case in Europe





It is obvious that not disclosed financial support has been provided

Dumping

- 1. The reality shows that non-European manufacturers receive different kinds of subsidies which are the major reason of dumping cases.
- 2. Dumping frustrates local manufacturing, leads to social problems and reduces total added value by EU countries.
- 3. The creation of favorable environment for business one of the main targets for politicians.
- 4. Latest PV case has shown, that even in a complicated structure of the EU, anti-dumping decisions should be made quickly and efficiently.

Summary

- Strict actions for anti-dumping required!
 - Asian manufacturers are financially strong. If they find other ways to fight in EU market, the 1 GW European factory for a standard production will not be a solution.
 - For quality production Asian factories can be cheaper max. 10% due to vertical business integration. All additional price cuttings emerge from hidden financing.
- The manufacturing industry must be created in Europe.
 - To maintain a middle-class of population;
 - To gain independent market.





Vidmantas Janulevičius CEO of BOD Group