The next phase of Ukrainian RES sector development

CEO of DTEK Renewables Philipp Leckebusch
Ukraine’s RES sector achievements: 2009-2019

- > 5.5 GW installed capacity till the end 2019
- > 4% of the country’s generation
- > $8.0 bln of investments
- > 500 players in the RES market
- > 12 000 prosumers
- > 18 000 jobs created
DTEK Renewables contribution to the Ukrainian RES market

**Project**

- **Botievo**
  - 200 MW
  - Total investment: EUR 340 mln
  - Suppliers of equipment: Vestas

- **Tryfanovka**
  - 10 MW
  - Total investment: EUR 10 mln

- **Primorsk**
  - 200 MW
  - Total investment: EUR 321 mln
  - Suppliers of equipment: Vestas, JA Solar, ABB, GE Renewable Energy

- **Nikopol**
  - AC 200 MW
  - Total investment: EUR 216 mln

- **Pokrovs’k**
  - AC 240 MW
  - Total investment: EUR 193 mln

- **Orlovka**
  - 100 MW
  - Total investment: EUR 131 mln

**Installed capacity (end of period), MW**

<table>
<thead>
<tr>
<th>Year</th>
<th>Botievo</th>
<th>Tryfanovka</th>
<th>Primorsk</th>
<th>Nikopol</th>
<th>Pokrovs’k</th>
<th>Orlovka</th>
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<tbody>
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<td>0</td>
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<tr>
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<td>2017</td>
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<td>200</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>2018</td>
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<td>200</td>
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<tr>
<td>2019F</td>
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<td>500</td>
<td>450</td>
<td>0</td>
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**Annual electricity output, GWh**

<table>
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<tr>
<th>Year</th>
<th>Botievo</th>
<th>Tryfanovka</th>
<th>Primorsk</th>
<th>Nikopol</th>
<th>Pokrovs’k</th>
<th>Orlovka</th>
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<tbody>
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<td>634</td>
<td>608</td>
<td>638</td>
<td>679</td>
<td>677</td>
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<tr>
<td>2016</td>
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</tbody>
</table>
The transition phase to a new competitive market system

- Maintain stable and predictable regulatory framework
- Establishment of a clear and transparent auctioning process
- Manage smooth transition from FiT to auctioning system
Flexibility – key to successful RES integration into energy market

FLEXIBILITY

SOLUTIONS

GENERATION
- Forecasts
- Balancing capacities
- Ancillary services

GRID
- Modernization
- Extension
- Interconnection

STORAGE
- Storage solutions

CONSUMPTION
- Distributed solutions
- Energy efficiency
- Demand side management
Thank you for your attention!