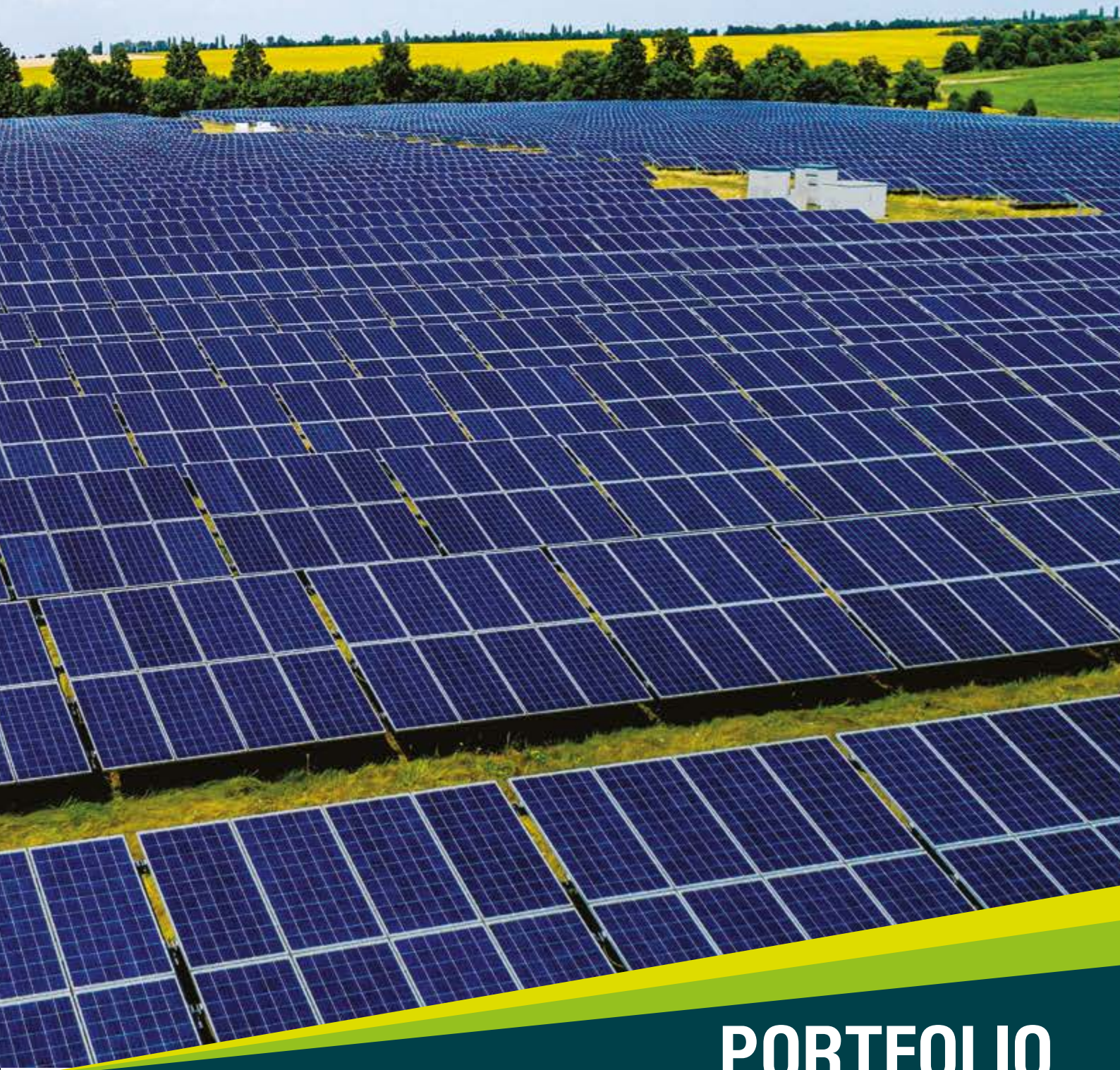


# CleanEnergy

A LEADER IN UKRAINE'S PV SECTOR



**PORTFOLIO  
OF SOLAR POWER PLANTS**





**CleanEnergy**  
A LEADER IN UKRAINE'S PV SECTOR

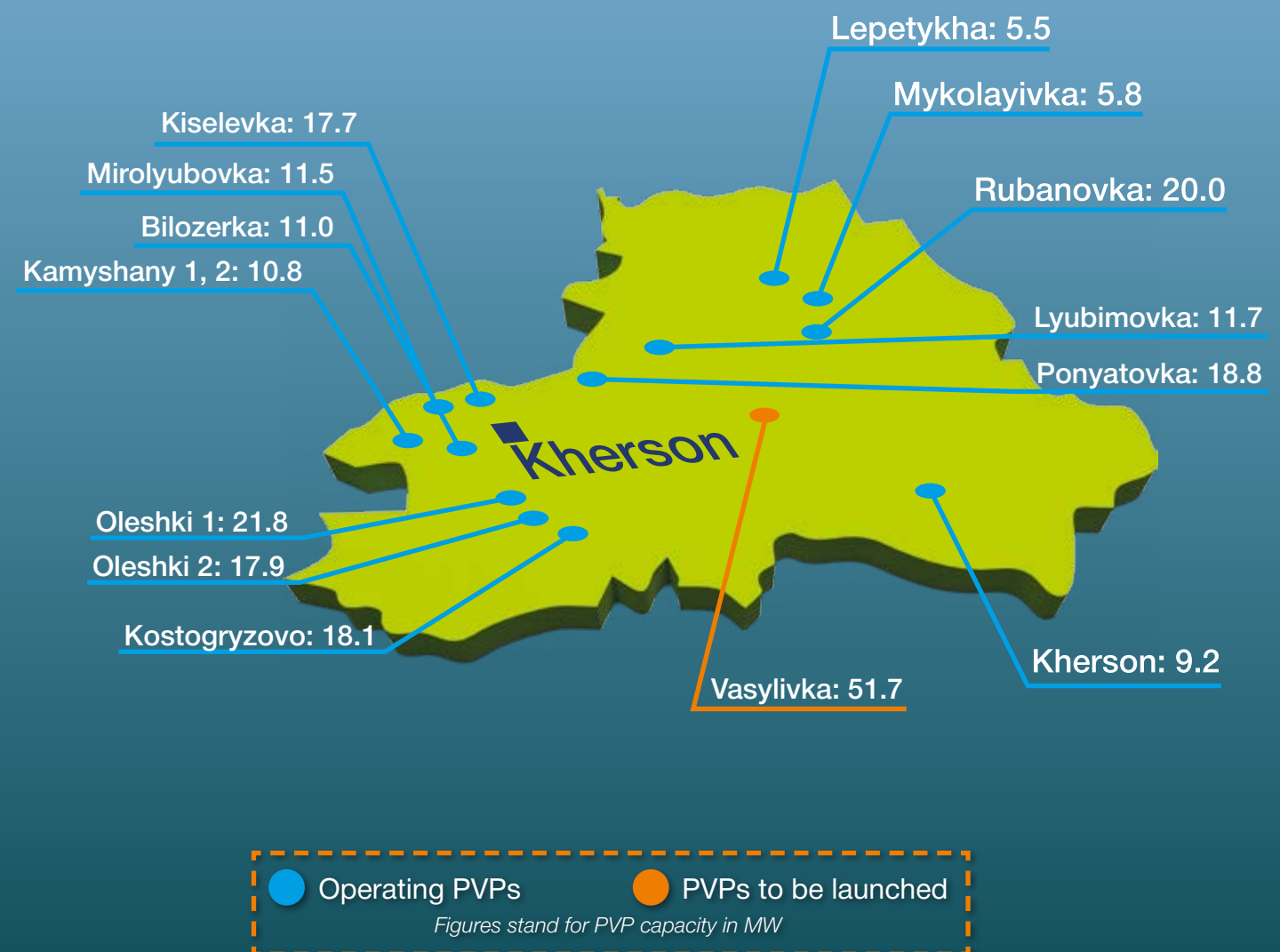
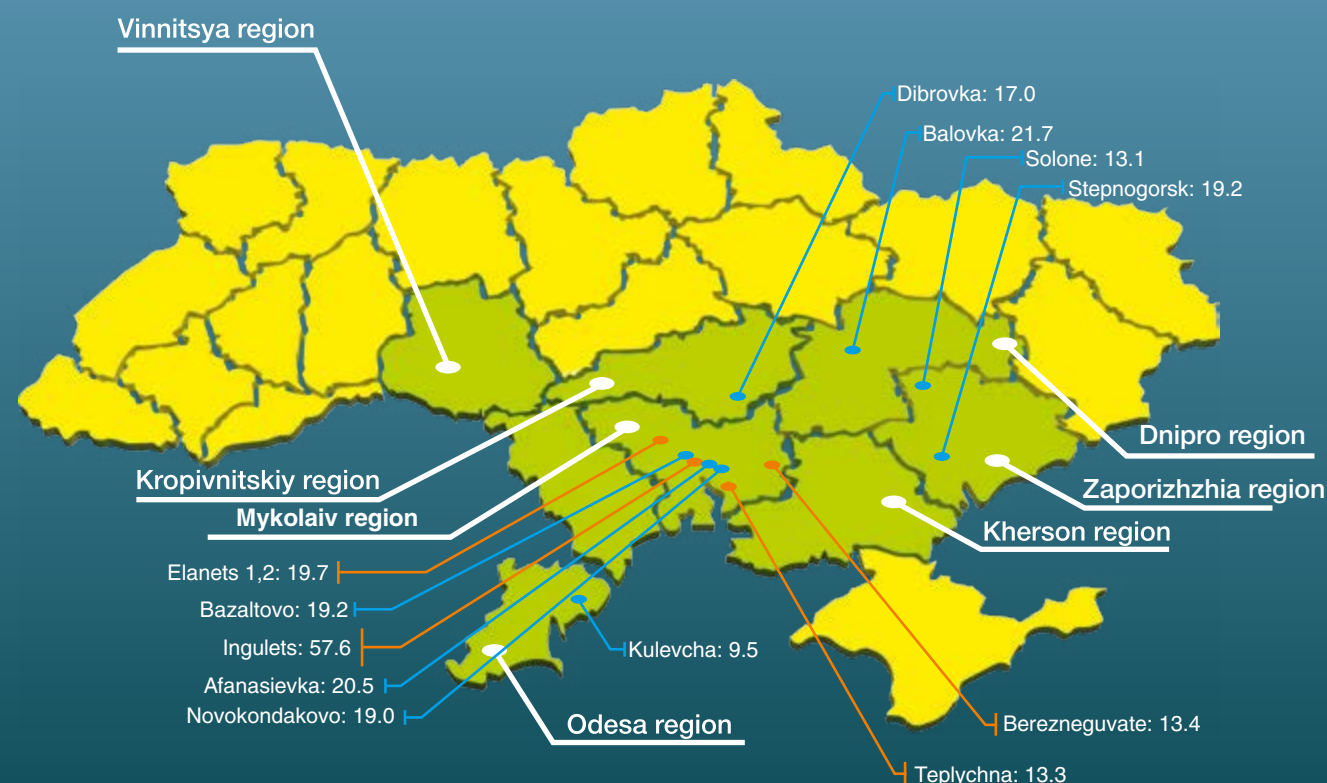
**PORTFOLIO  
OF SOLAR POWER PLANTS**



# Clean Energy:

- Clean Energy \* is one of the largest solar energy producers in Ukraine
- After having commissioned its first PVP plant in January 2013, the company has intensively increased its portfolio to 39 plants with total capacity of 436 MW
- Clean Energy has solid pipeline for further expansion: 7 PV power plants (totaling 156 MW) will be launched in 4Q19-1Q20, and another 90 MW of new capacities are at the development stage
- The group of companies has a successful track record of cooperation with European Bank for Reconstruction and Development (EBRD) and Black Sea Trade and Development Bank (BSTDB) in funding projects. Debt financing is also provided from leading Ukrainian banks
- A strong internal expertise in construction of solar farms have been developed – it takes 6 months on average to develop a new PVP plant. The most modern equipment is being installed at company's solar parks
- Use of solar energy at existing power plants can reduce annual emission of CO2 to 445.1 kt

**Solar power plants of Clean Energy are located in South and Central part of Ukraine, which get large insolation throughout the year**



\* For the sole purpose of this presentation, prepared for communication with prospective investors, Clean Energy includes solar power plants of two groups – Clean Energy and Sun Capital



# Porogy

An aerial photograph of a large solar farm in a rural landscape. The solar panels are arranged in neat, parallel rows, sloping downwards towards the right. The surrounding area includes fields, some trees, and a small body of water in the distance. The sky is blue with scattered white clouds.

PEAK CAPACITY  
**4.495 MW**

PANELS  
**Hanwha SolarOne**

SINGLE PANEL POWER  
**245**

NUMBER OF PANELS  
**18348**

REDUCTION OF CO2  
tonnes per year  
**5000**





# Gnatkiv

PEAK CAPACITY  
**4.921 MW**

PANELS  
**Yingli Solar**

SINGLE PANEL POWER  
**245**

NUMBER OF PANELS  
**20086**

REDUCTION OF CO2  
/ tonnes per year  
**5300**



# Chernyatka

PEAK CAPACITY  
**7.745 MW**

PANELS  
**Hanwha SolarOne**

SINGLE PANEL POWER  
**245**

NUMBER OF PANELS  
**31614**

REDUCTION OF CO2  
tonnes per year  
**7785**





# Sharhorod 1

PEAK CAPACITY

**7.982 MW**

PANELS

**Kvazar, Jiangsu Shunfeng**

SINGLE PANEL POWER

**240, 245, 250**

NUMBER OF PANELS

**32912**

REDUCTION OF CO2

tonnes per year

**10000**



# Hlybochok 1

PEAK CAPACITY  
**1.375 MW**

PANELS  
**Hanwha SolarOne**

SINGLE PANEL POWER  
**245**

NUMBER OF PANELS  
**5610**

REDUCTION OF CO<sub>2</sub>  
tonnes per year  
**1650**



# Hlybochok 2

# Hlybochok 3

PEAK CAPACITY  
**2.474 MW**

PANELS  
**Yingli Solar**

SINGLE PANEL POWER  
**245**

NUMBER OF PANELS  
**10098**

REDUCTION OF CO2  
tonnes per year  
**3390**

PEAK CAPACITY  
**3.882 MW**

PANELS  
**Talesun Solar**

SINGLE PANEL POWER  
**255**

NUMBER OF PANELS  
**15224**

REDUCTION OF CO2  
tonnes per year  
**4000**



# Verkhovka

PEAK CAPACITY  
**3.180 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**260**

NUMBER OF PANELS  
**12232**

REDUCTION OF CO2  
tonnes per year  
**3480**







Bar

PEAK CAPACITY  
**6.818 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**260**

NUMBER OF PANELS  
**26224**

REDUCTION OF CO2  
tonnes per year  
**7264**



# Kherson

PEAK CAPACITY

**9.209 MW**

PANELS

**Talesun**

SINGLE PANEL POWER

**260**

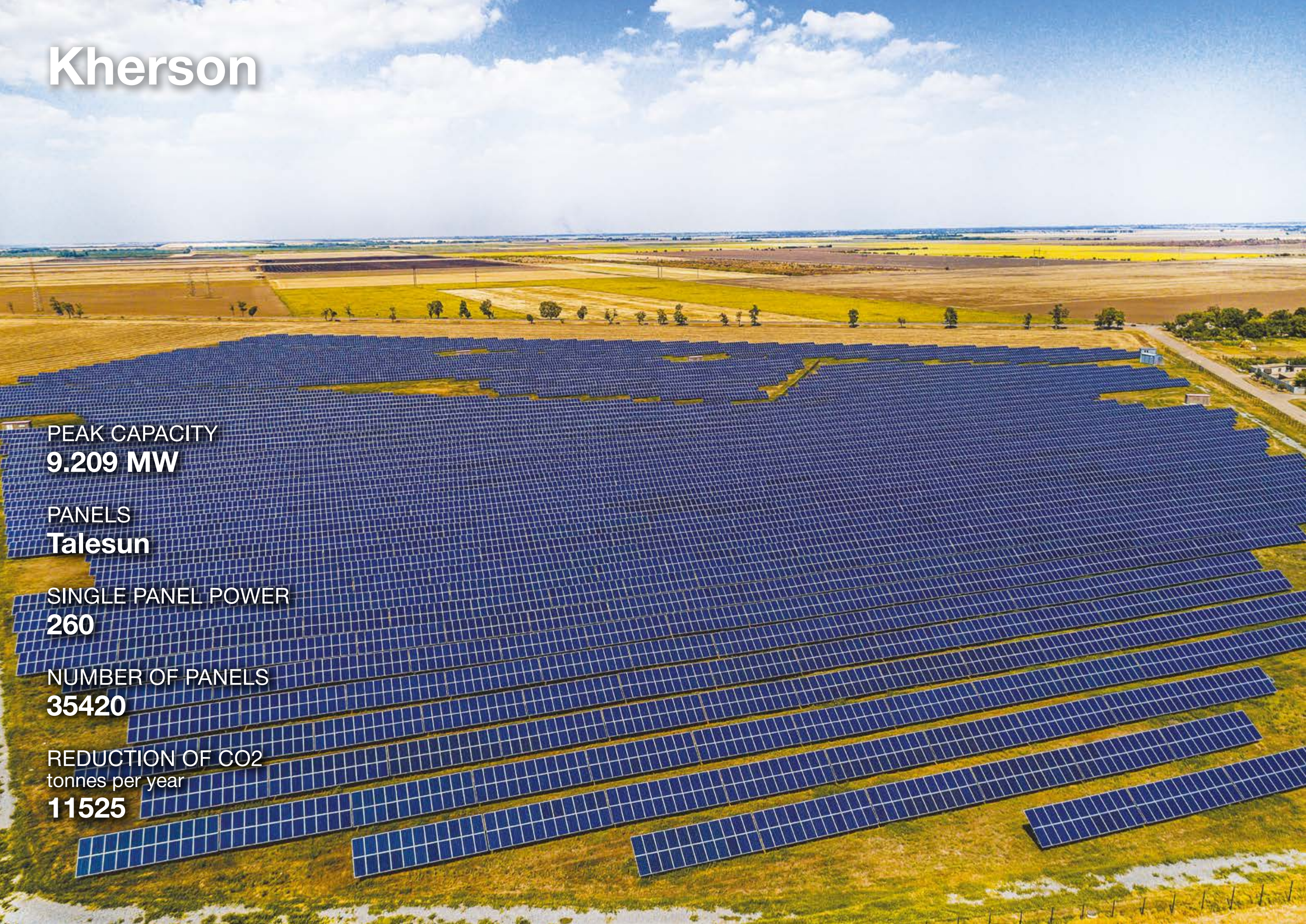
NUMBER OF PANELS

**35420**

REDUCTION OF CO<sub>2</sub>

tonnes per year

**11525**





# Chechelnyk 1

PEAK CAPACITY  
**9.853 MW**

PANELS  
**JA Solar**

SINGLE PANEL POWER  
**265**

NUMBER OF PANELS  
**37180**

REDUCTION OF CO2  
tonnes per year  
**11065**



# Chechelnyk 2

An aerial photograph of a large-scale solar farm, Chechelnyk 2, situated in a rural landscape. The solar panels are arranged in neat, parallel rows, covering a significant portion of the foreground and middle ground. The surrounding area consists of rolling hills and agricultural fields in various shades of green and yellow, suggesting a late summer or autumn setting. A dirt road or path runs alongside the solar array, and a few small structures or vehicles are visible near the bottom right corner of the panel field.

PEAK CAPACITY  
**9.818 MW**

PANELS  
**Jinko solar**

SINGLE PANEL POWER  
**265**

NUMBER OF PANELS  
**37048**

REDUCTION OF CO2  
tonnes per year  
**11025**



# Balky

PEAK CAPACITY  
**8.226 MW**

PANELS  
**Jinko Solar**

SINGLE PANEL POWER  
**265**

NUMBER OF PANELS  
**31042**

REDUCTION OF CO2  
tonnes per year  
**8850**





# Sharhorod 2

PEAK CAPACITY  
**9.552 MW**

PANELS  
**JA Solar**

SINGLE PANEL POWER  
**265**

NUMBER OF PANELS  
**36046**

REDUCTION OF CO<sub>2</sub>  
tonnes per year  
**11000**



# Stanislavchyk



PEAK CAPACITY  
**9.818 MW**

PANELS  
**Jinko Solar**

SINGLE PANEL POWER  
**265**

NUMBER OF PANELS  
**37048**

REDUCTION OF CO2  
tonnes per year  
**10825**



# Kopaygorod

PEAK CAPACITY  
**7.299 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**260, 265**

NUMBER OF PANELS  
**27544**

REDUCTION OF CO2  
tonnes per year  
**7960**



# Kulevcha

PEAK CAPACITY  
**9.461 MW**

PANELS  
**Recom**

SINGLE PANEL POWER  
**335**

NUMBER OF PANELS  
**28242**

REDUCTION OF CO2  
tonnes per year  
**12585**



# Bilzerka

An aerial photograph of a large-scale solar farm. The solar panels are arranged in long, parallel rows, covering a significant portion of the landscape. The surrounding area includes green fields, some trees, and a few buildings in the distance under a clear blue sky.

PEAK CAPACITY

**11.015 MW**

PANELS

**Recom**

SINGLE PANEL POWER

**330, 335**

NUMBER OF PANELS

**33336**

REDUCTION OF CO2

tonnes per year

**13860**



# Mykolayivka

PEAK CAPACITY  
**5.762 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**21340**

REDUCTION OF CO2  
tonnes per year  
**7055**



# Lepetykha

PEAK CAPACITY  
**5.524 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**20460**

REDUCTION OF CO2  
tonnes per year  
**6850**





# Dibrovka

PEAK CAPACITY  
**16.988 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**62920**

REDUCTION OF CO2  
tonnes per year  
**19689**



# Rubanivka

PEAK CAPACITY  
**19.982 MW**

PANELS  
**Recom**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**74008**

REDUCTION OF CO2  
tonnes per year  
**23159**



# Kostogryzovo



PEAK CAPACITY  
**18.064 MW**

PANELS  
**Recom, Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**66902**

REDUCTION OF CO2  
tonnes per year  
**20936**



# Oleshki 1

An aerial photograph of a large-scale solar farm. The solar panels are arranged in neat, rectangular rows, covering a significant portion of the landscape. The panels are a deep blue color, contrasting with the brownish, dry ground. In the background, a small town or village is visible, with various buildings and a church spire. The sky is clear and blue.

PEAK CAPACITY

**21.758 MW**

PANELS

**Recom, Talesun**

SINGLE PANEL POWER

**270**

NUMBER OF PANELS

**80586**

REDUCTION OF CO2

tonnes per year

**25218**



# Kamyshany 1



PEAK CAPACITY  
**5.958 MW**

PANELS  
**Recom, Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**22066**

REDUCTION OF CO2  
tonnes per year  
**6905**



# Oleshki 2

PEAK CAPACITY  
**17.921 MW**

PANELS  
**Recom, Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**66374**

REDUCTION OF CO2  
tonnes per year  
**20771**



# Kamyshany 2

PEAK CAPACITY  
**4.823 MW**

PANELS  
**Recom, Talesun**

SINGLE PANEL POWER  
**270**

NUMBER OF PANELS  
**17864**

REDUCTION OF CO2  
tonnes per year  
**5590**



# Miroljubovka



PEAK CAPACITY  
**11.478 MW**

PANELS  
**Talesun**

SINGLE PANEL POWER  
**325**

NUMBER OF PANELS  
**35316**

REDUCTION OF CO2  
tonnes per year  
**13303**



# Kiselevka



PEAK CAPACITY  
**17.702 MW**

PANELS  
**Talesun, Recom**

SINGLE PANEL POWER  
**325**

NUMBER OF PANELS  
**54468**

REDUCTION OF CO2  
tonnes per year  
**20517**



# Ponyatovka

PEAK CAPACITY  
**18.819 MW**

PANELS  
**Recom, Talesun, Suntech**

SINGLE PANEL POWER  
**325**

NUMBER OF PANELS  
**57906**

REDUCTION OF CO2  
tonnes per year  
**21811**



An aerial photograph of a large-scale solar farm. The solar panels are arranged in neat, parallel rows across a green field. A river flows along the left side of the farm, and a dense forest is visible in the background. The overall scene is a mix of natural landscape and industrial infrastructure.

# Afanasievka

PEAK CAPACITY  
**20.463 MW**

PANELS  
**Suntech**

SINGLE PANEL POWER  
**325**

NUMBER OF PANELS  
**62964**

REDUCTION OF CO2  
tonnes per year  
**23717**



# Novokondakovo



PEAK CAPACITY  
**19.033 MW**

PANELS  
**Jinergy**

SINGLE PANEL POWER  
**365, 370**

NUMBER OF PANELS  
**51984**

REDUCTION OF CO2  
tonnes per year  
**22060**



An aerial photograph of a large-scale solar farm. The solar panels are arranged in long, parallel rows, covering a significant portion of the landscape. The panels are a deep blue color. The surrounding area includes green grassy fields, a dirt road, and a small cluster of buildings in the distance. The sky is clear and blue.

# Bazaltovo

PEAK CAPACITY  
**19.198 MW**

PANELS  
**Jinergy**

SINGLE PANEL POWER  
**330**

NUMBER OF PANELS  
**58178**

REDUCTION OF CO2  
tonnes per year  
**22251**



# Lyubimovka

PEAK CAPACITY  
**11.754 MW**

PANELS  
**Jinergy**

SINGLE PANEL POWER  
**365, 370**

NUMBER OF PANELS  
**32040**

REDUCTION OF CO2  
tonnes per year  
**13623**





# Balovka

An aerial photograph of a large-scale solar farm. The solar panels are arranged in neat, parallel rows across a green field. In the foreground, there is a dense forest of tall, green trees. The background shows a flat landscape with more greenery and some distant buildings under a clear sky.

PEAK CAPACITY  
**21.669 MW**

PANELS  
**Jinergy**

SINGLE PANEL POWER  
**330**

NUMBER OF PANELS  
**65664**

REDUCTION OF CO<sub>2</sub>  
tonnes per year  
**25115**





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