



Dober dan!

Vienna Photovoltaic Program

**City of
Vienna**



Why is a municipal photovoltaic program so important?

That's why!

**WE
ARE
HERE**



Cities are crucial for climate protection

2% of the earth's surface are cities

53% of the world population live in cities

75% of CO₂-emissions are produced by cities



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Climate protection goals of the Viennese government

Vienna will be climate-neutral by 2040

- Reduce energy consumption
- Adapt infrastructure
- Use renewable energy for energy supply



Solar power in the city: A story for winners!

- Sealed surfaces exist
- Dual use is often possible
- Urban, space-efficient solutions are on the rise
- Urban areas always have been incubators for innovation
- Photovoltaic systems are suitable for urban use
- Cities are major consumers and storage for electricity at the same time



2021: Vienna initiates Photovoltaic Program



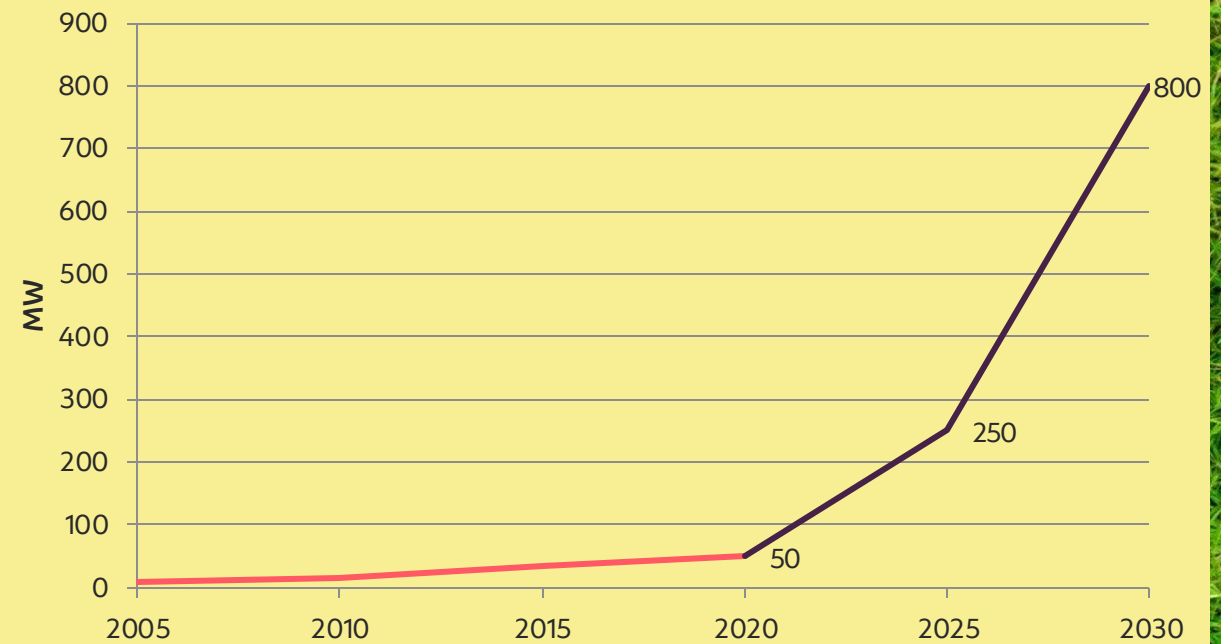
Vienna Photovoltaic Program 2021-2030

- Vienna increases its power generation by expanding its photovoltaics production within the city boundaries from **currently 50 MWp to 250 MWp by 2025** and **to 800 MWp by 2030**
- The Vienna Photovoltaic Program is a **long-term** and **widespread implementation program** involving all city departments

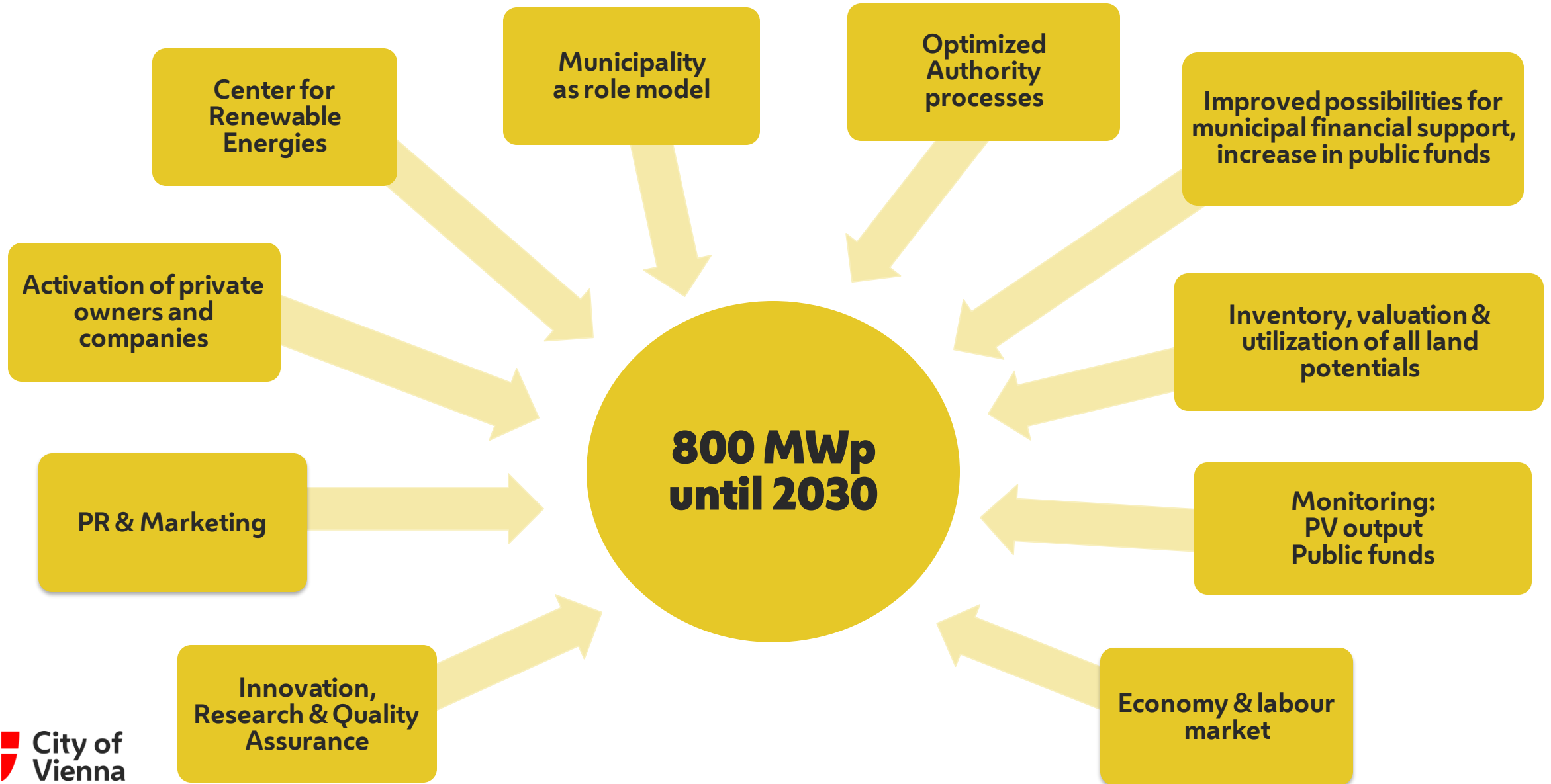
Current situation and goals

For **rooftop photovoltaic systems** with an expected **average output of 25 kW**, approx. **10,000 systems** are needed by **2025** and **over 30,000 systems** by **2030**.

An area as large as **90-100 soccer fields** must be equipped with photovoltaic systems **every year**.



Fields of action



Urban Photovoltaic Solutions

„Vienna creates photovoltaic solutions for all suitable areas and becomes a model city for urban photovoltaic development“

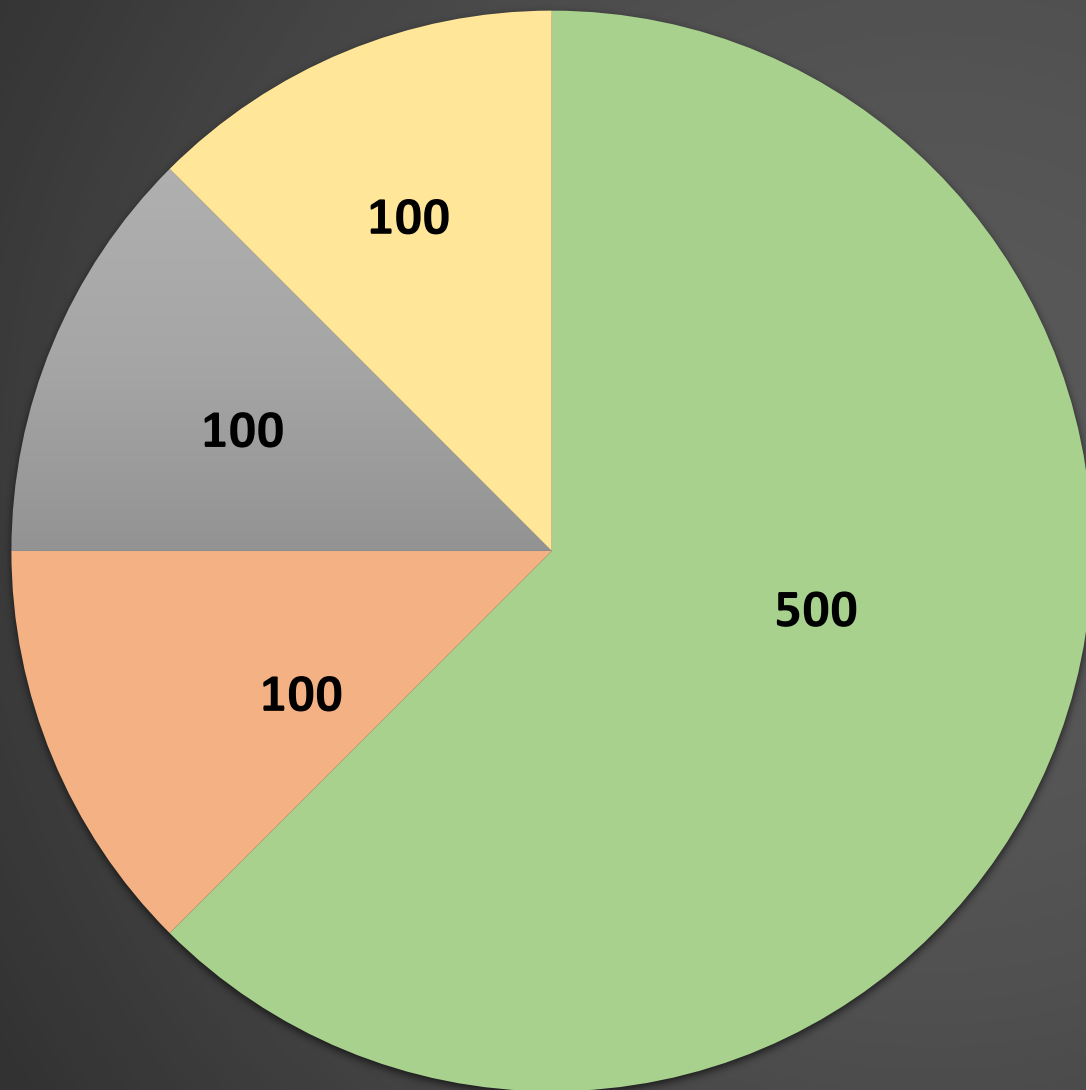
Prioritization of surface types:

1. **Buildings** (roofs and facades)
2. **Built-up and sealed surfaces** (parking lots,...)
3. **Special areas** (power plant surfaces, waste disposal sites,...)
4. **Available surfaces of infrastructure facilities** (highways, railroads,...)
5. **Areas with dual use**
Preferred areas not accessible to the public



800 MWp on different surfaces

(in MWp)



■ buildings

■ innovative PV on buildings

■ urban areas (sealed surfaces like parking lots)

■ other surfaces

Role model: Municipal Administration - Quick-Start, Implementation

- Expansion goal: **50 MWp** on municipal buildings
- **Audit of real estate** owned by the City of Vienna until 2022
- **Implementation of PV systems** on buildings & areas owned by the City of Vienna **until 2025**
- **Flagship projects:** innovative PV-solutions
- **Quick-Start:** as of May 270 possible surfaces have been defined within the municipal administration
- **Municipal implementation programm:**
1st quarter 2022



PV-Anlage am Amtshaus Bartensteingasse 9

Combining use of space

- Green roof and photovoltaic
- Overhead systems as rooftops
- Photovoltaics for shading – PV & roof garden



Combining use of space

- Lightweight modules at the subway station Ottakring
- Remaining areas of infrastructure facilities



Combining use of space

- PV roofing of company parking lots



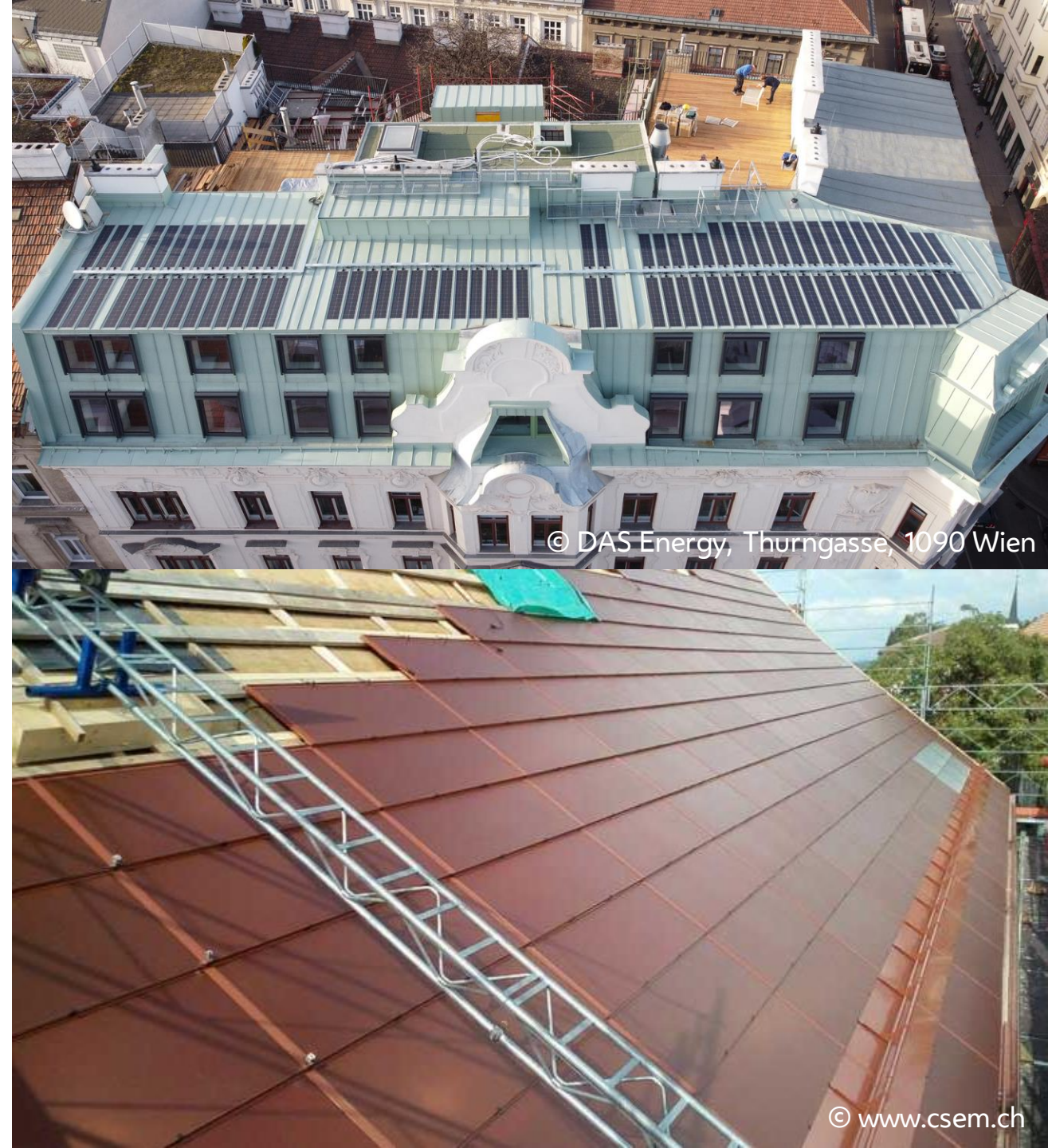
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Photovoltaic and Monument Protection

- Compatibility of monument protection and PV by using innovative technologies:
 - Lightweight modules (foils)
 - Solar tiles



Center for Renewable Energies

Information – Consulting – Activation

- Contact point according to EU directive
- Consulting service for Energy Communities together with „Österreichische Koordinierungsstelle für Energiegemeinschaften“ (Austrian One-Stop-Shop for Energy Communities)
- Capitalization of investments as part of the Vienna PV Program
- Conceptual design in exchange with stakeholders by the end of 2021 by UIV (Urban Innovation Vienna)
- Opening expected starting 2nd quarter 2022



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Strong impulses for economy and labor market

- PV-expansion creates jobs: up to 1.200 permanent jobs through PV program in east austria.
- PV expansion needs a training initiative
- „Green Recovery“: Investments in PV bring important impulses for local economy with immediate effects!
- Financial support for companies



The background of the slide is a photograph of a large array of solar panels installed on a roof. The sun is low on the horizon, creating a warm, golden glow that reflects off the surface of the panels. The sky is filled with soft, white clouds. The panels themselves are dark blue with a grid of silver lines.

Hvala!

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